Rook I Project

Environmental Impact Statement

TSD XVIII: Site-Wide Water Balance and Water Quality Modelling Report

GOLDER
MEMBER OF WSP

SITE-WIDE WATER BALANCE AND WATER QUALITY MODELLING REPORT FOR THE ROOK I PROJECT

Prepared for:

NexGen Energy Ltd.

Prepared by:

Golder Associates Ltd.

March 2022

Executive Summary

A site-wide water balance and water quality model (SWWBM) was developed for the NexGen Energy Ltd. (NexGen) Rook I Project (Project) to support development of water management procedures under the Environmental Protection Program, evaluate engineering design decisions, and support assessment of the effects of Project activities on the receiving environment. The SWWBM was developed using GoldSim, which is a generalized systems dynamic modelling platform. The SWWBM integrates information of various forms and sources to estimate how water and mass loads move through the system over time and during various stages of the Project mine life. The structure of the SWWBM reflects Project site water management philosophy, water management planning, and the engineering decisions made during the design of the mine infrastructure.

This report has two purposes. Firstly, it is intended to describe the current SWWBM, including the main inputs and assumptions to the model, and to serve as a living document to track future changes in model inputs and assumptions as Project needs evolve. The model structure, high-level approach to modelling, and detailed methods are presented in this document to serve as a basis for training and to support future adaptations of the model. Secondly, the current revision of this report is intended to support quantitative effects assessment of the Project activities on the receiving environment and to communicate results relevant to effects assessment. The current revision is contemporary with the Rook I Project Environmental Assessment (EA) and feasibility level engineering. It is envisioned that the water balance work stream will continue through Project advancement as the SWWBM is refined and updated to reflect site conditions and supporting information changes. Importantly, the current model will serve as the operational SWWBM framework for the Project moving forward.

The SWWBM is set up to run various scenarios, including an Application Case, which consists of Project footprint and components in the context of reasonably foreseeable climate and receiving environment conditions, and multiple sensitivity scenarios that fulfill specific information objectives related to effects assessment, water management evaluation, design support verification, and design alternative evaluation. The Application Case results are carried forward for effects assessment in the receiving environment as part of the EA. The implications of model results on effects assessment is discussed in detail as part of the Environmental Impact Statement.

The SWWBM reflects water quantity and water quality dynamics of the Project based on information available at the time of writing. The model results provide sufficient and detailed information to support a robust EA for the Project and meet the anticipated expectations of rights holders, Indigenous and local communities, provincial regulators, and the federal Canadian Nuclear Safety Commission.

Abbreviations and Units of Measure

Acronym	Definition
EA	Environmental Assessment
EB	event-based
EIS	Environmental Impact Statement
ETP	effluent treatment plant
FS	feasibility study
Golder	Golder Associates Ltd.
ID	identification
N	nitrogen
NexGen	NexGen Energy Ltd.
NPAG	non-potentially acid generating
PAG	potentially acid generating
PMP	probable maximum precipitation
Project	Rook I Project
SWWBM	site-wide water balance and water quality model
TS	time series
UG	underground
UGTMF	underground tailings management facility
WRSAs	waste rock storage areas

Units	Definition
%	percent
°	degree
°C	degrees Celsius
Bq/L	becquerels per litre
g/cm^3	grams per cubic centimetre
km	kilometre
m^2	square metres
m^3	cubic metres
m^3/d	cubic metres per day
m^3/hr	cubic metres per hour
m^3/yr	cubic metres per year
mg/L	milligrams per litre
mm	millimetre
mm/°C/day	millimetres per degree day
mm/yr	millimetres per year

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1 INTRODUCTION

The Rook I Project (Project) is a proposed new uranium mining and milling operation that is 100% owned by NexGen Energy Ltd. (NexGen; Figure 1). The Project would be approximately 40 km east of the Saskatchewan-Alberta border, 130 km north of the town of La Loche, and 640 km northwest of the city of Saskatoon. The Project would reside within Treaty 8 territory and the Métis Homeland. At a regional scale, the Project would be situated within the southern Athabasca Basin adjacent to Patterson Lake, along the upper Clearwater River system. Access to the Project would be from an existing road off Highway 955 (Figure 2), with on-site worker accommodation serviced by fly-in/fly-out access.

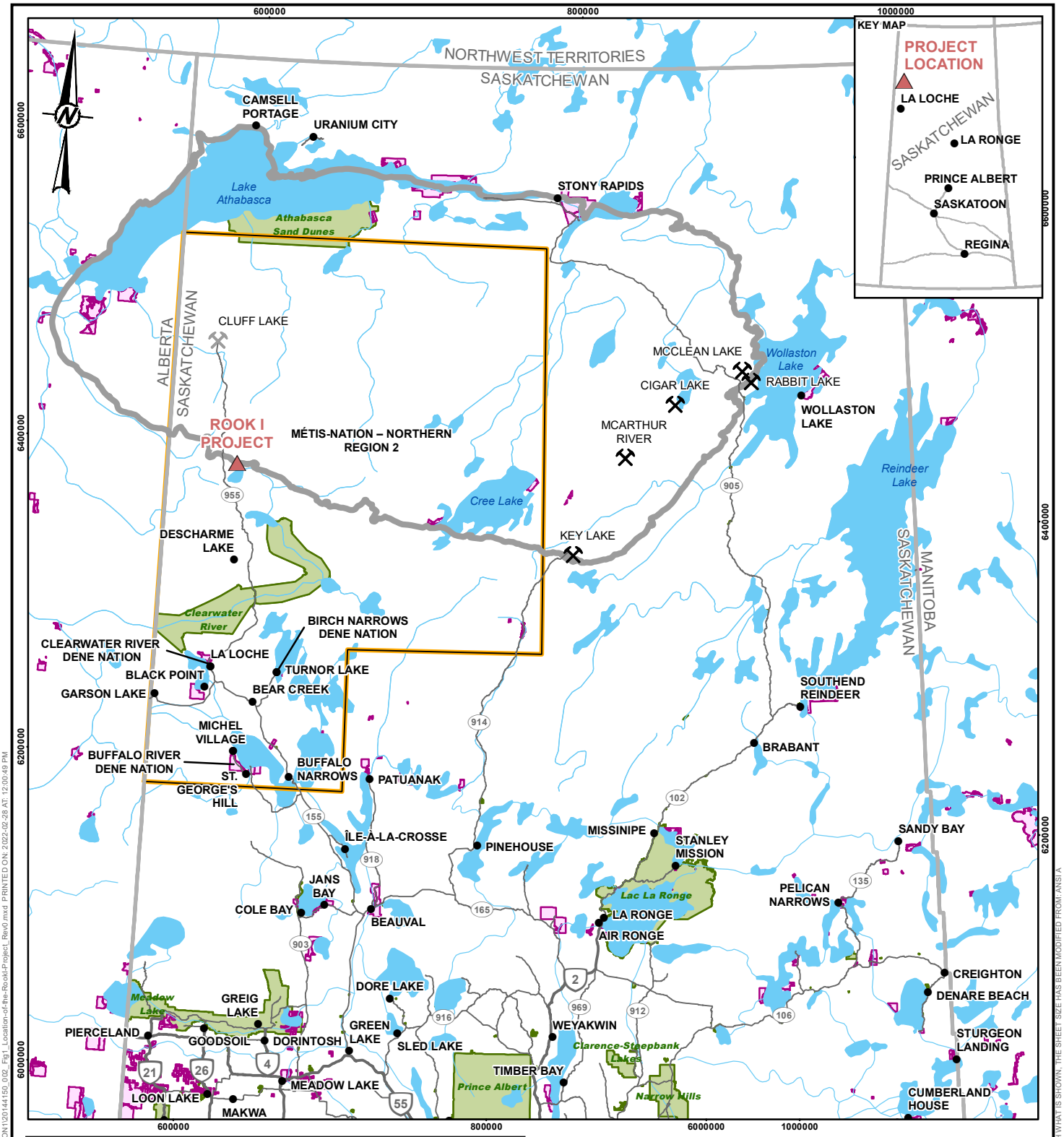
The Project would include the following key facilities to support the extraction and processing of uranium from the Arrow deposit for transportation off site (Figure 3):

- underground mine development;
- process plant buildings, including uranium concentrate packaging facilities;
- paste tailings distribution system;
- underground tailings management facility (UGTMF);
- potentially acid generating (PAG) waste rock storage area (WRSA);
- non-potentially acid generating (NPAG) WRSA;
- special waste rock[1] and ore storage stockpiles;
- surface and underground water management infrastructure, including water management ponds, effluent treatment plant (ETP), and sewage treatment plant;
- conventional waste management facilities and fuel storage facilities;
- ancillary infrastructure, including maintenance shop, warehouse, administration building, and camp;
- airstrip and associated infrastructure; and
- access road to Project and site roads.

This technical support document to the Environmental Impact Statement (EIS) describes the internal (i.e., within the spatial and temporal boundaries of the Project) coupled site-wide water balance and water quality model (SWWBM) developed for the Project. It is envisioned that the water balance work stream would continue through Project advancement as the SWWBM is refined and updated to reflect site conditions. Importantly, development of a model framework would serve as the operational SWWBM framework for the Project moving forward. While maintaining a “fit-for-purpose” approach, any steps taken during the Environmental Assessment (EA) and feasibility study in developing the SWWBM will align the Project with tools and expertise that would translate through the early stages of Project permitting and development, to early-stage monitoring, and, ultimately, the Operations, and Decommissioning and Reclamation (i.e., Closure) phases, and into far-future conditions. By

[1] Special waste rock is mine rock that is mineralized with insufficient grade to be considered ore (i.e., greater than 0.03% of triuranium octoxide [U_3O_8] and less than 0.26% U_3O_8). All special waste would be temporarily stored in the special waste rock stockpile.

early implementation of this approach, NexGen will increase its ability to calibrate and validate the SWWBM over the Project lifespan, improving its efficacy in these latter stages. In parallel, this approach will familiarize not only NexGen internal personnel with model usage, but will also establish continuity, confidence, and familiarity with external parties (e.g., regulators, local communities, and First Nations and Métis Groups [collectively referred to as Indigenous Groups]) with respect to the format and outputs of the model. Thus, it is anticipated that the current SWWBM development is the first of a multi-stage process for model development and adaptation. A list of definitions that will be useful in the interpretation of this document is included in Appendix A, Glossary.



LEGEND

- POPULATED PLACE
- URANIUM MINING FACILITY (ACTIVE)
- URANIUM MINING FACILITY (DECOMMISSIONED)
- PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- WATERCOURSE
- ATHABASCA BASIN BOUNDARY
- INDIAN RESERVE
- PROVINCIAL PARKS
- WATERBODY
- PROJECT LOCATION
- MÉTIS NATION-SASKATCHEWAN NORTHERN REGION 2

0 100 200
1:3,500,000 KILOMETRES

REFERENCE(S)

1. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
2. PARKS OBTAINED FROM IHS MARKIT CANADA ULC.

PROJECTION: UTM ZONE 12 DATUM: NAD 83

PROJECT: NexGen Energy Ltd.

ROOK I PROJECT

TITLE

LOCATION OF THE ROOK I PROJECT

CONSULTANT: GOLDER, MEMBER OF WSP

PROJECT	20144150		PHASE	3314 - 6
DESIGN	JMC	2022-02-28	SCALE AS SHOWN	REV. 0
GIS	NO	2022-02-28		
CHECK	JMC	2022-02-28		
REVIEW	MM	2022-02-28		

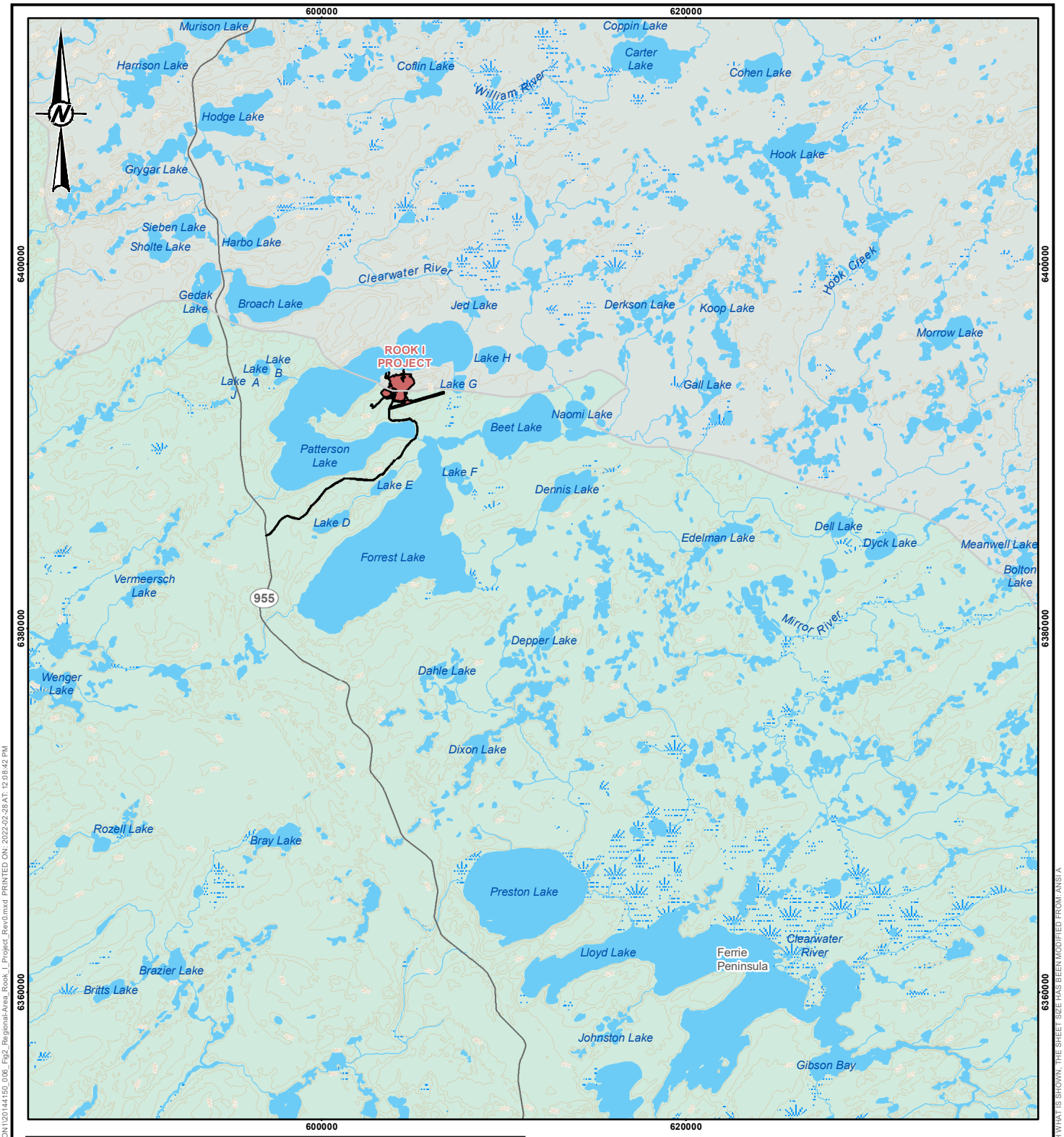
FIGURE 1

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LEGEND

- ELEVATION CONTOUR (20 m INTERVAL)
- SECONDARY HIGHWAY
- WATERCOURSE
- ATHABASCA BASIN
- WATERBODY
- WETLAND
- WOODED AREA
- PROPOSED PROJECT FOOTPRINT

0 5 10
1:300,000 KILOMETRES

REFERENCE(S)

1. PROJECT FEATURES OBTAINED FROM NEXGEN, APRIL 6, 2021.
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

PROJECTION: UTM ZONE 12 DATUM: NAD 83

PROJECT

NexGen Energy Ltd.

ROOK I PROJECT

TITLE

REGIONAL AREA OF THE ROOK I PROJECT

CONSULTANT

GOLDER
MEMBER OF WSP

PROJECT	20144150		PHASE	3314 - 6
DESIGN	JMC	2022-02-28	SCALE AS SHOWN	REV. 0
GIS	NO	2022-02-28		
CHECK	JMC	2022-02-28		
REVIEW	MM	2022-02-28		

FIGURE 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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603000 604000 605000 606000 607000

6394000 6393000 6392000 6391000

Patterson Lake

Treated Effluent Pipe and Diffuser

Fresh Water Intake Pipe and Pumphouse

Underground Mine Access

Contact Water Pond #1

Treated Sewage Pipe and Outfall

Sewage Treatment Plant (STP)

Mine Terrace

PAG Runoff Collection Area

Process Plant

Ore Storage Stockpile

Effluent Treatment Plant (ETP)

Monitoring Ponds

Potentially Acid Generating (PAG) Waste Rock Storage Area

Fuel Storage Area

Mill Terrace

Special Waste Rock Stockpile

Camp

Contact Water Pond #2

Non-Potentially Acid Generating (NPAG) Waste Rock Storage Area

Communication Tower

West Bermed Runoff Collection Area

Domestic/Industrial Waste Management Area

Omni-Directional Approach Lighting (ODAL) Corridor

Airstrip

Explosives Magazine Storage

Batch Plant Sand and Aggregate Storage Area

Omni-Directional Approach Lighting (ODAL) Corridor

Gatehouse

Patterson Lake

530 540 550 560 570 580 590

LEGEND

- ELEVATION CONTOUR (10 m INTERVAL)
- WATERBODY
- WETLAND
- WOODED AREA
- INTAKE OR DISCHARGE PIPE
- ACCESS ROAD
- CONTACT WATER CONTAINMENT BERM
- OMNI-DIRECTIONAL APPROACH LIGHTING (ODAL) CORRIDOR
- PROJECT INFRASTRUCTURE
- SITE ROAD
- TOPSOIL STORAGE AREA
- WATER MANAGEMENT POND

0 0.5 1

1:15,500 KILOMETRES

REFERENCE(S)

1. PROJECT FEATURES OBTAINED FROM NEXGEN, APRIL 6, 2021 AND UPDATED JUNE 8, 2021 .
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.

PROJECTION: UTM ZONE 12 DATUM: NAD 83

PROJECT

NexGen Energy Ltd.

ROOK I PROJECT

TITLE

ROOK I PROPOSED PROJECT FOOTPRINT

CONSULTANT

GOLDER MEMBER OF WSP

PROJECT		20144150	PHASE		3314 - 6
DESIGN	JV	2020-03-13	SCALE AS SHOWN	REV.	0
GIS	NO	2022-03-18			
CHECK	RWP	2022-03-18			
REVIEW	DW	2022-03-18			

FIGURE 3

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The location of the proposed Project would be in headwater catchments that drain naturally to adjacent Patterson Lake. Runoff reporting to the location of the Project site is localized, and there are no major tributaries conveying runoff from upstream other than in Patterson Lake itself. Figure 3 shows a general layout of the Project during Operations.

The key mining and water management facilities for the proposed Project are as follows:

- fresh water intake;
- camp facilities;
- construction laydown area;
- undeveloped areas;
- airport;
- ore storage stockpile;
- special waste rock stockpile;
- NPAG WRSA;
- PAG WRSA;
- conventional waste management area;
- mine terrace;
- mill terrace;
- haul road;
- batch plant and aggregate stockpiles;
- UGTMF;
- underground (UG) workings;
- site runoff pond #1;
- site runoff pond #2;
- PAG runoff collection area;
- settling pond;
- effluent treatment plant;
- treated effluent monitoring ponds;
- contingency pond;
- west bermed runoff collection area;
- fresh water plant;
- sewage treatment facilities; and
- surface explosives magazine.

2 BACKGROUND

The SWWBM is a decision-assist tool that supports development of the water management procedures under the Environmental Protection Program. The structure of the tool reflects the water management procedures under the Environmental Protection Program and the engineering decisions made during the design of the mine infrastructure. This subsection provides a summary of the information that serves as the foundation for development of the tool.

2.1 Site Water Management Philosophy

Effective site water management begins during Project design and continues through Project Closure. A risk-based approach to site water management considers both routine and non-routine Project conditions and would be periodically re-evaluated throughout the Project lifespan to adapt to best available technology and techniques, and to feedback from ongoing engagement with Indigenous Groups and the public.

The mine water management approach can be summarized by the following environmental protection design and development principles:

- Minimize fresh water intake through water reuse and recycling wherever possible.
- Maximize diversion of non-contact water surface runoff away from facilities and infrastructure.
- Collect and treat contact water, if required, prior re-use or release to the receiving environment.
- Confirm release water meets both regulated and established discharge criteria prior to discharge to the receiving environment.

NexGen is committed to designing and operating waste management facilities, including all site water management infrastructure, for responsible closure by recognizing and valuing the importance of protecting and preserving the environment through the Project lifespan. Mine waste management facilities, processes, and activities are designed in a manner that minimizes the reliance on active institutional controls following Closure.

2.2 Site Water Classification

Site water includes any water that would interact with the Project, including fresh water taken from Patterson Lake for use by the Project, water from precipitation events that would be intercepted by the Project, and waste water that would be generated from mine development and construction-related activity.

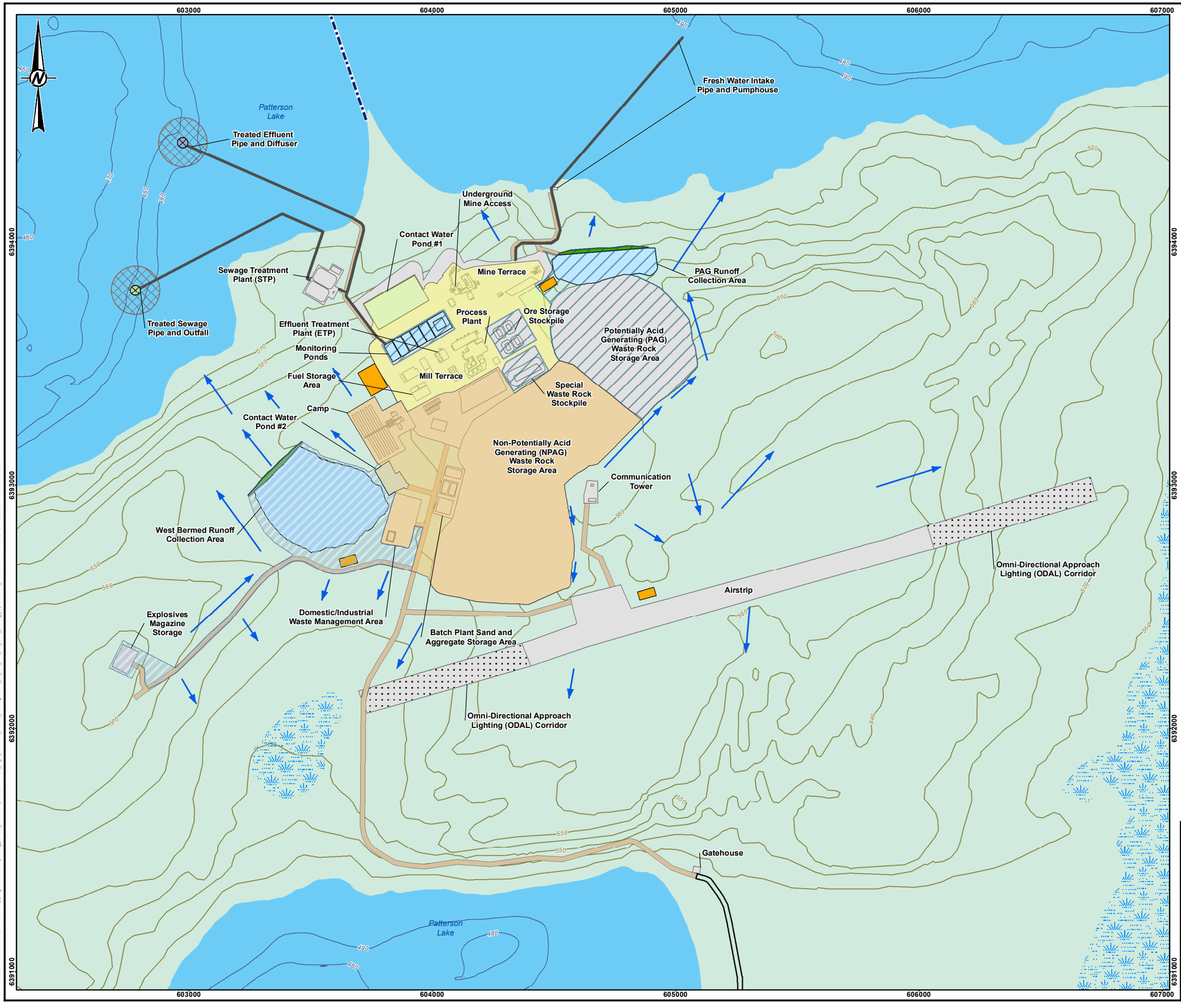
Site water is further classified by considering anticipated and tested parameters (e.g., chemical, radiological) to identify and define the required level of control that is commensurate with risks to people and the environment. Characteristics of site water inform the design of site water management facilities, processes, and activities that enable safe, secure, and environmentally responsible site water management through the Project lifespan. Present design focuses on modelled characteristics of site water that will be confirmed or adjusted through monitoring if the Project is approved and developed.

The site water types for the Project, including the general management approach for each type, are summarized in Table 1. Further definition of these water types is provided in Section 4.4.1, Water Balance Inputs. Figure 4 provides a visual summary of site water management infrastructure and flow paths for the Project.

Table 1: General Management Approach and Primary Infrastructure

Site Water Type	Description	General Management Approach
Fresh water	Surface water extracted for use at the Project site as potable water (i.e., treated fresh water) for domestic consumption or as raw fresh water (i.e., untreated fresh water) to support various demands on site.	Reduce fresh water consumption to minimize fresh surface water usage and withdrawals.
Non-contact water	Water that has not been physically, chemically or radiologically altered by construction, mining, or milling activities.	Divert non-contact water to the extent practicable and allow for discharge directly to the receiving environment. Manage non-contact water not diverted away as contact water.
Contact water	Water that may have been physically, chemically or radiologically altered by construction, mining, or milling activities.	Collect, capture and contain contact water. Reuse contact water where possible. Treat and manage water quality relative to environmental release targets as required before release to the environment.
Release water	Project-influenced water that is suitable for release to the environment. Release water includes contact water, treated or untreated, that has been confirmed to be acceptable for release relative to release criteria.	Discharge water meeting quality criteria relative to preliminary effluent release targets[(a)].

a) Preliminary targets have been derived for planning and assessment purposes as described in Appendix H, Environmental Release Target Development. Final targets will be determined through licensing.



LEGEND

- BATHYMETRY CONTOUR ELEVATION (5 m INTERVAL)
- ELEVATION CONTOUR (10 m INTERVAL)
- GENERAL FLOW DIRECTION
- LAKE BASIN DIVISION
- WATERBODY
- WETLAND
- WOODED AREA
- INTAKE OR DISCHARGE PIPE
- ACCESS ROAD
- CONTACT WATER CONTAINMENT BERM
- OMNI-DIRECTIONAL APPROACH LIGHTING (ODAL) CORRIDOR
- PROJECT INFRASTRUCTURE
- SITE ROAD
- TOPSOIL STORAGE AREA
- WATER MANAGEMENT POND
- EFFLUENT TREATED PIPE DIFFUSER
- SEWAGE TREATED PIPE OUTFALL
- PROPOSED REGULATED MIXING ZONE
- DRAINAGE TO SITE RUNOFF POND #1
- DRAINAGE TO SITE RUNOFF POND #2
- SELF CONTAINED
- TO WEST BERMED RUNOFF COLLECTION AREA

0 0.5 1

1:15,500 KILOMETRES

REFERENCE(S)

1. PROJECT FEATURES OBTAINED FROM NEXGEN, APRIL 6, 2021 AND UPDATED JUNE 8, 2021 .
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
3. BATHYMETRY CONTOURS DERIVED FROM DATA COLLECTED BY NEXGEN, 2016.

PROJECTION: UTM ZONE 12 DATUM: NAD 83

PROJECT

NexGen Energy Ltd.

ROOK I PROJECT

TITLE

GENERAL WATER MANAGEMENT OF PROJECT SITE DURING OPERATIONS

CONSULTANT

GOLDER MEMBER OF WSP

PROJECT		20144150	PHASE		3314 - 6
DESIGN	JH	2020-03-13	SCALE AS SHOWN	REV.	0
GIS	NO	2022-03-18			
CHECK	RWP	2022-03-18			
REVIEW	NPS	2022-03-18			

FIGURE 4

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2.3 Related Model Studies

The SWWBM draws on background studies and interacts with several models that have been developed for the Project. The models that provide background or data inputs for the SWWBM are summarized in Table 2. The results generated by the SWWBM are carried forward for effects assessment by the models listed in Table 3.

Table 2: Models that Provide Background or Data Input for the Site-Wide Water Balance and Water Quality Model

Model Name	Purpose	Software Platform	Data Linkages	Reference
Atmospheric loss calculations	To estimate evaporation, evapotranspiration, and sublimation	MATLAB	Atmospheric loss data input	Annex IV.1, Regional Meteorological and Hydrological Characterization Report
Process water balance block flow models	To support Rook I Project feasibility study	MS Excel Spreadsheet mass balance validated using SysCAD software	On-site runoff parameters	Wood 2020a
Groundwater solute transport model	To predict post-closure effects	FeFlow/GoldSim	Interaction between groundwater, UGTMF, and Patterson Lake	TSD XIV, Groundwater Flow and Solute Transport Modelling Report
Cover system design model(s)	To estimate surface water balance for a post-closure cover system design and long-term seepage (toe and basal) rates using a long-term climate database	Geostudio (SEEP/W and VADOSE/W)	Parameters for surface runoff from NPAG WRSA; toe seepage from lined WRSAs	Okane 2020a
Waste Rock Storage Area Infiltration Modeling	To assess basal drainage rate and time to reach steady-state drainage conditions for proposed WRSAs options during mining operations and post-closure periods.	HydroGeoSphere	Input to SRK Source Term Geochemical Model	BGC 2020
Site runoff model	To support design of Project surface infrastructure as part of the feasibility design	MS Excel	Block flow diagrams with values for surface runoff parameters	Wood 2020b
Source term geochemical model	To estimate solute loadings for various WRSAs options. To estimate UG loadings for Operations and post-closure from exposed UG wall rock	PHREEQC	Input to groundwater solute transport model. Provide input to geochemical and water quality source terms	SRK 2021

UG = underground; UGTMF = underground tailings management facility; NPAG = non-potentially acid generating; WRSAs = waste rock storage areas.

Table 3: Models that Directly Incorporate Site-Wide Water Balance and Water Quality Model Results for Environmental Assessment

Model Name	Purpose	Software Platform	Data Linkages	Reference
Regional hydrology model	To characterize conditions and predict Project effects in the receiving environment	GoldSim modelling platform	Receives data in time series format from the SWWBM; flows from the SWWBM will feed into this model	EIS Appendix 9A, Hydrological Modelling Summary Report
Regional surface water quality model	To characterize conditions and predict Project effects in the receiving environment	GoldSim modelling platform	Dependent on regional hydrology model and the SWWBM; flows and loads from the SWWBM will feed into this model	EIS Appendix 10A, Surface Water Quality Modelling Report
Near-field surface water quality model	To support the conceptual diffuser design	CORMIX model system	Dependent on SWWBM; flows and loads from the SWWBM will feed into this model	EIS Appendix 10A
Receiving environment environmental risk assessment model	To assess environmental risk	IMPACT	Flows and loads from the SWWBM feed into this model	TSD XXI Environmental Risk Assessment, Appendix A, IMPACT Model Report

SWWBM = site-wide water balance and water quality model.

3 SITE-WIDE WATER BALANCE AND WATER QUALITY MODEL

3.1 Model Objectives and Overview

The SWWBM is an integrated water balance and water quality model developed using the GoldSim modelling platform using a conservative mass balance approach. The general objective of the SWWBM is to serve as a decision-assist tool that can support development of a water management plan, evaluate engineering design decisions, identify the need for contingency plans in the event of upset conditions, and support assessments of the effects of Project activities on the receiving environment throughout the Project lifespan.

The SWWBM is set up to run various scenarios, including runs for model verification and future predictive modelling of the planned life of the mine (i.e., Construction, Operations, and Decommissioning and Reclamation [i.e., Closure]) and far-future scenarios under a variety hydrometeorological conditions. A daily time step is used for each of the simulations based on the available site climate data supplemented by global re-analysis data to extend the period of record for which continuous and reliable observations are available. The ability to adjust the modelling time step based on the scenario objectives is also provided (e.g., longer time steps for longer-term model projections in the far-future scenarios to reduce computational demands).

The model scenarios include an Application Case, consisting of expected Project conditions for the EA, as well as several sensitivity analysis scenarios intended to evaluate the importance of uncertainty in variables (e.g., climate, geochemical source terms, treatment efficiency, and influent quality) that may affect the Application Case for each Project phase (i.e., Construction, Operations, and Closure). For each model scenario, the model may be run for the entire lifespan of the mine, for specific phase(s) of the Project, or for far-future scenarios beyond the handover of Institutional Control. The model scenarios are discussed in detail in Section 4.3, Model Scenario Development.

3.2 Spatial and Temporal Domain

3.2.1 Spatial Domain

The SWWBM encompasses the anticipated Project footprint and reporting catchments throughout all Project phases: Construction, Operations, and Closure, including both the Active Closure Stage and the Transitional Monitoring Stage. The downstream boundary for the model is defined by the points of discharge to Patterson Lake. The SWWBM was also used to simulate conditions in the far-future scenario, beyond the date of Institutional Control. The Transitional Monitoring Stage and the far-future scenario are also simulated by the model.

3.2.2 Temporal Domain

The model temporal domain includes the following temporal related aspects of the SWWBM: the temporal scope of the proposed Project, the time simulation modes used in the model, and the climate scenarios simulated.

3.2.2.1 Temporal Scope

The temporal scope of the SWWBM focused on the proposed 43-year period from the beginning of Construction to the end of Closure which follows the minimum temporal boundary for the environmental assessment. Project phases are described in detail in Section 4.2, Project Phases.

3.2.2.2 Time Simulation Modes

The following time simulation modes were incorporated into the model:

- Time series (TS) simulations based on a historical time series scenario with historical climate inputs (see Section 3.2.2.3,Climate Scenarios). A daily time step is used for each of the simulations, derived based on the compiled climate database.
- Event-based (EB) simulations considering short-duration events such as extreme rainfall or snowmelt events.
- Fit-for-purpose simulations with the ability to adjust the modelling time step, and other simulation settings, based on the scenario objectives (e.g., longer time steps for longer-term model projections to reduce computational demands). A daily time step is adopted as the default unless otherwise specified.

3.2.2.3 Climate Scenarios

The climate time series scenarios used in the SWWBM are as follows:

- **Historical scenario** which uses historical climate as the model input. The historical climate arbitrarily pairs the start date of the historical climate time series to the start date of the model simulations (i.e., historical time 1 January 1979 adopted for 1 January 2025). The historical climate time series is looped to provide a long-term time series for modelling the far future.
- **Deterministic forecasting scenarios**, including average climate conditions, relevant wet/dry climate conditions, and user-defined climate conditions, typically a mixture of wet/dry and average climate conditions. The start date of the model simulations is paired with a historical date using a high-level estimate of oscillating climate cycles based on the Pacific decadal oscillation, a longer-term climate oscillation that influences continental climates in the Canadian Prairie provinces. The historical time series value for 1 January 1988 was adopted for 1 January 2025, and the historical time series is looped from that point forward, similar to the historical scenario.

- **Stochastic forecasting** which is used to provide an understanding of potential climate/hydrologic variability effects on the water balance and water quality including potential risks to current and planned water management scenarios. Stochastic parameters are used to randomly select a historical year to apply during a given model year during the simulation. The stochastic forecasting uses all the same years as the historical scenario but in a randomized order.
- **Climate change scenario** based on historical climate adjusted to reflect 2050s climate change projections (50th percentile scenario) from the climate change assessment completed for the area of the Project (EIS Appendix 22A, Climate Change Dataset Summary Report).

3.3 Approach

Features of Project infrastructure (e.g., fresh water intake) and natural features that could affect or be affected by the Project (e.g., undeveloped area 1) are represented in the SWWBM by one or more facilities linked together by flow pathways. Features and facilities represented in the SWWBM are listed in Table 4. The features listed in Table 4 are represented in the model by elements or flows between elements. Basic calculations to estimate water quality and quantity are performed for all the elements (e.g., ponds, catchments) in the SWWBM. The SWWBM also incorporates varying degrees of flexibility with respect to inputs and calculation methods for features or facilities with greater potential to influence water quality and/or quantity, which allows for enhanced predictive capabilities for those features or facilities (Section 3.7, Flexibility).

Table 4: Site-Wide Water Balance and Water Quality Model Features and Facilities

Feature	Facilities
Intakes	Fresh water intake
Underground	Main UG water storage sump, backfill, shafts, UG workings, UGTMF
Undisturbed catchments	Undeveloped area 1, undeveloped area 2, undeveloped area 4, undeveloped area 5, undisturbed catchments reporting to fresh water diversions
Diversions	East perimeter diversion, south perimeter diversion, west perimeter diversion
Potentially mineralized built-up areas	Mill terrace, mine terrace, paste plant #1 and #2, process plant circuits, acid plant, boilers
Non-mineralized built-up areas	Conventional waste management area, surface explosives magazine, camp, construction laydown area
Ore and waste storage facilities	Special waste rock stockpile, NPAG WRSA, PAG WRSA, ore storage stockpile
Ponds	Site runoff pond #1 and #2, settling pond, contingency pond, PAG runoff collection area sump, self-contained area sumps, other sumps, sewage treatment lagoons, treated effluent monitoring ponds, west bermed runoff collection area, water/oil separator
Treatment facilities	Effluent treatment plant, sewage treatment plant, process plant
Discharges	Treated effluent diffuser, treated sewage outfall, west surface runoff outfall, east surface runoff outfall

UG = underground; UGTMF = underground tailings management facility; NPAG WRSA = non-potentially acid generating waste rock storage area; PAG WRSA = potentially acid generating waste rock storage area.

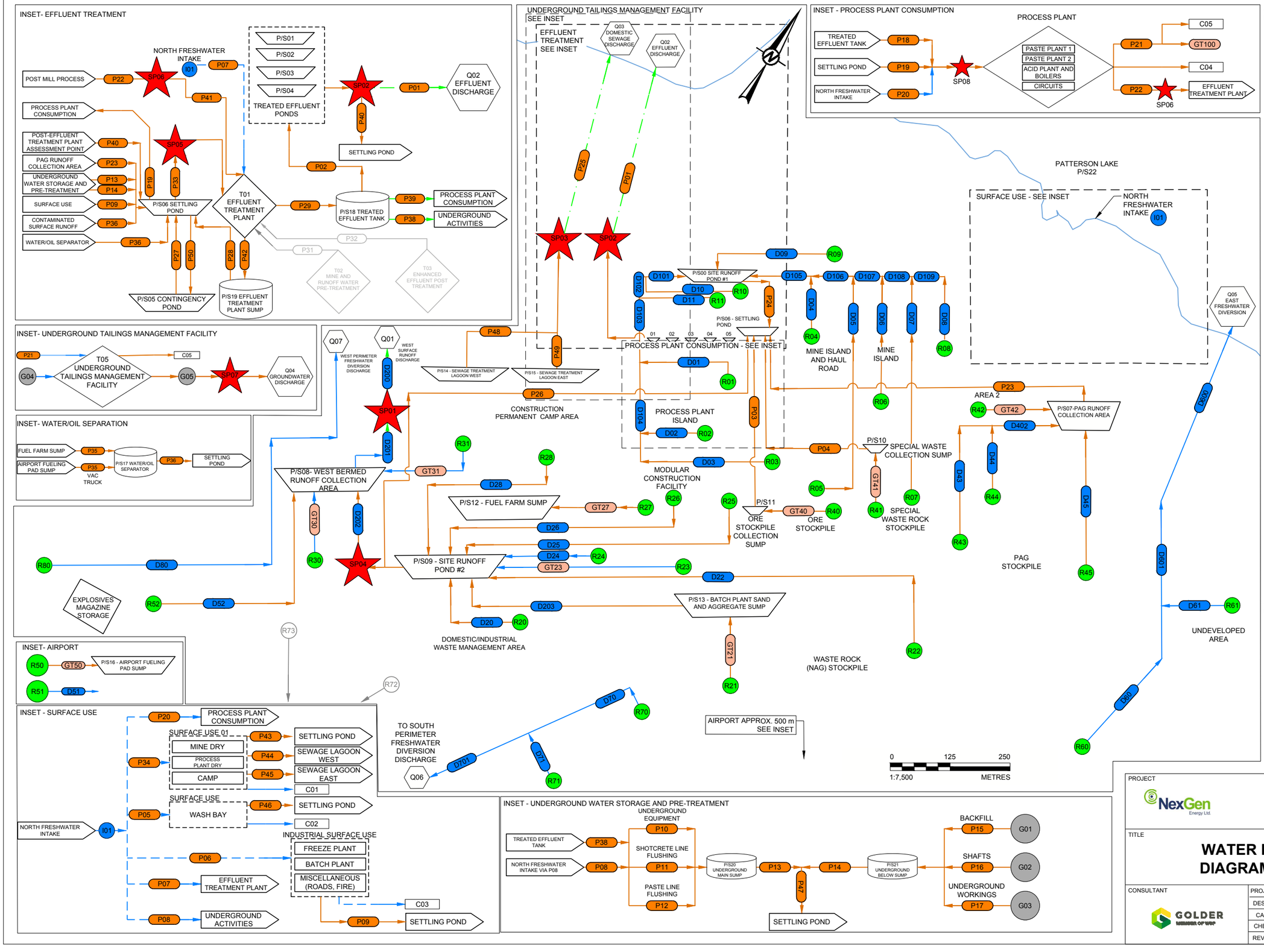
3.4 Water Process Flow Diagrams

Conceptual water process flow logic diagrams defining the scope and structure of the SWWBM are shown in Figure 5 and Figure 6. The diagrams can be viewed as a combination of "**elements"** and "**flows**"; there are eight types of elements included:

- **Source elements:**
  - catchments: runoff from natural catchment areas and streams (e.g., undisturbed catchment reporting to east perimeter fresh water diversion), and disturbed areas (e.g., NPAG WRSA, PAG WRSA, mill terrace);
  - groundwater inflows; and
  - water intakes.
- **Pond elements** (e.g., site runoff pond #1, site runoff pond #2, settling pond, west bermed runoff collection area);
- **Storage elements** (e.g., underground main sump, treated effluent tank);
- **Treatment elements** (e.g., ETP, process plant);
- **Consumption point elements** (e.g., domestic consumptions, dust suppression, tailings entrainment);
- **Surveillance point elements** (e.g., points of control, monitoring points, assessment nodes);
- **Discharge node elements** (e.g., treated effluent diffuser, treated sewage outfall, east surface runoff, west surface runoff); and
- **Flow node elements** (e.g., diversion ditches, pumps and pipelines, gravity transfers), which represent flows (quantity and quality) between other elements in the SWWBM.

Water flowing through the system (i.e., flows) is classified into four types (i.e., fresh water, non-contact water, contact water, and release water; Section 2.2, Site Water Classification).

A description of the elements and flows shown on Figure 5 and Figure 6 is included in Appendix B. Note that greyed out elements on Figure 5 and Figure 6 are placeholders that represent elements that are not required for the environmental assessment and therefore are not included in the model at the current time. In some instances, the elements represent placeholders that could be added during future model revisions. In other instances, the elements represent adjacent non-contact runoff sources that drain away from the model spatial domain and are shown for completeness. The flow paths shown on Figure 5 and Figure 6 are colour coded to correspond to the classes of site water introduced in Section 2.2.



PROJECT

NexGen Energy Ltd.

ROOK I

TITLE

WATER PROCESS FLOW DIAGRAM - OPERATIONS

CONSULTANT

GOLDER MEMBER OF WSP

PROJECT		20144150	PHASE/TASK		3105/5
DESIGN	RWP	2021-08-23	SCALE	AS SHOWN	REV. 0
CADD	SDD	2021-08-23			
CHECK	DW	2021-08-23			
REVIEW	DW	2021-08-23			

FIGURE 5

UNDERGROUND TAILINGS MANAGEMENT FACILITY
SEE INSET

PATTERSON LAKE

Q07 WEST PERIMETER FRESHWATER DIVERSION DISHCARGE

Q01 WEST SURFACE RUNOFF DISCHARGE

Q05 EAST PERIMETER FRESHWATER DIVERSION DISCHARGE

SP01

SP03

SP07

D200 D201 D202 D209 D28 D80 D204 D205 D206 D207 D208 D203 D20 D22 D112 D103 D100 D101 D102 D105 D106 D107 D108 D109 D10 D104 D04 D06 D07 D08 D01 D02 D110 D03 D05 D111 D400 D401 D402 D43 D44 D45 D600 D601 D61 D60 D70 D701 D71

GT31 GT30 GT27 GT23 GT21 GT40 GT41 GT42

R80 R31 R28 R30 R27 R26 R25 R24 R23 R22 R21 R20 R73 R72 R70 R71 R09 R10 R11 R04 R08 R01 R06 R02 R03 R05 R07 R41 R40 R42 R44 R43 R45 R61 R60

G04 G05 G06

COVERED AND RECLAIMED AREA

COVERED AND RECLAIMED AREA

UNDEVELOPED AREA

TO SOUTH PERIMETER FRESHWATER DIVERSION DISCHARGE

Q06

T05 UNDERGROUND TAILINGS MANAGEMENT FACILITY

Q04 GROUNDWATER DISCHARGE

INSET- UNDERGROUND TAILINGS MANAGEMENT FACILITY

0 125 250
1:7,500 METRES

LEGEND

- CONTACT WATER
- NON-CONTACT WATER
- DRAINAGE CATCHMENT AREA
- XXX FLOW BETWEEN AREAS
- XXX SOURCE
- XXX POND/STORAGE
- XXX TREATMENT
- XXX STORAGE
- XXX FLOW NODE
- XXX CONSUMPTION POINT
- SP SURVEILLANCE POINT
- XXX BUILDING
- XXX DISCHARGE
- RXX RUNOFF
- IXX SURFACE WATER INTAKE
- SXX SEEPAGE
- GXX GROUNDWATER
- DXX DIVERSION
- PXX PUMPING
- EXX EVAPORATION*
- DPXX DIRECT PRECIPITATION*
- GTXX GRAVITY TRANSFER

NOTES

* DIRECT PRECIPITATION AND EVAPORATION NOT SHOWN FOR EASE OF PRESENTATION
* GREYED OUT ELEMENTS ARE NOT INCLUDED IN MODEL
* DIAGRAM IS SPECIFIC TO MODEL AND MAY NOT INCLUDE ALL SURFACE AND GROUNDWATER FLOWS POST-CLOSURE

PROJECT

NexGen Energy Ltd.

ROOK I

TITLE

WATER PROCESS FLOW DIAGRAM - POST-CLOSURE

CONSULTANT

GOLDER

PROJECT		20144150	PHASE/TASK		3105/5
DESIGN	RWP	2021-08-23	SCALE	AS SHOWN	REV. 0
CADD	SDD	2021-08-23			
CHECK	DW	2021-08-23			
REVIEW	DW	2021-08-23			

FIGURE 6

3.5 Facility Grouping

Individual facilities that are grouped together in the SWWBM are listed in Table 5. The grouping is completed for simplicity wherever the grouping provides adequate resolution to meet model objectives.

Table 5: Facility Grouping

Name of Grouping	Facilities to be Included in Grouping
Underground activities	UG equipment, shotcrete line flushing, paste line flushing, backfill, shafts, UG workings
Post-effluent treatment infrastructure	Treated effluent tank, treated effluent ponds

UG = underground.

3.6 Surveillance Points

Surveillance points are used at strategic locations within the SWWBM to evaluate potential changes in water quantity or quality results, usually in areas where future flow monitoring or water quality stations may be located, downstream of proposed facilities, and at the final point of control before discharge. The surveillance points used in the SWWBM are summarized in Table 6. Several surveillance points are also located at points of control, which are locations where mitigations can be enacted to retain contact water for testing or route water for further treatment. Beyond the point of control, water is released to Patterson Lake.

Table 6: Surveillance Points in the Site-Wide Water Balance and Water Quality Model

Location	Rationale
After west bermed runoff collection area	Assess quality before release to the environment and quantify releases.
After treated effluent monitoring ponds (pond 1, 2, 3, 4, and contingency pond)	Point of control: Assess quality after ETP and before release to the environment to determine if acceptable or if further treatment is required. Model quantity of releases.
Before process plant	Assess quality and quantity of upstream inputs to the process plant.
After site runoff pond #2	Point of control: Assess quality of water and determine if routing to the ETP circuit is required based on environmental release targets. Assess quantity of water re-cycle.
Before effluent treatment plant feed	Assess quality and quantity of aggregate feed flow reporting to the ETP.
After process plant	Assess quality and quantity of flow outputs from the process plant.
After UGTMF groundwater discharge	Assess groundwater pathway loading to Patterson Lake. Not used in this iteration of the SWWBM. All groundwater interaction with UGTMF accounted for in the solute transport model (EIS Appendix 9A)

ETP = effluent treatment plant; SWWBM = site-wide water balance and water quality model; UGTMF = underground tailings management facility.

3.7 Flexibility

3.7.1 Base Flexibility

The SWWBM incorporates a base level of flexibility that is common to all features. Not all flexibilities listed are used for environmental assessment purposes but have been included to improve the functionality of the tool for a range of purposes. Base levels of flexibility include:

- **On/off toggle:** The on/off toggle allows features or specific elements to be activated or deactivated within the SWWBM in an efficient manner.
- **Timing – schedule:** The mine life schedule is the basis for the development of all features. The model provides the ability to modify the schedule.
- **Add mine facilities:** Defined potential mine facilities within the property boundaries can be added to the SWWBM.
- **Adjust mine facility parameters:** Characteristics of mine facilities, as described by different parameters, can be adjusted.
- **Seasonality:** Seasonality is incorporated within the SWWBM to evaluate the effect of annual hydrologic cycles.
- **Operational efficiency:** All elements within the SWWBM are adjustable to allow for defined simulation changes in operational function through the life of the mine that would apply when processes are active in specific elements within the SWWBM. This flexibility includes the ability to adjust treatment efficiency for the ETP.
- **Operational utility:** Different operational utility rates account for the proportion of time that processes are active in specific elements are included within the SWWBM.
- **Operational schedules:** Different operational schedules, including continuous treatment or batch releases associated with triggers based on quantity or quality, are incorporated within the SWWBM.
- **Element operational capacity:** Available operating capacity can be adjusted. For example, adjustments to the volumetric capacity available for sumps or ponds can be used for contingency planning or upset condition mitigation.

Keeping track of the quantities of water reporting to, from, or stored within, each feature and element over time (i.e., the water balance) forms the basis of the SWWBM. Base flexibility associated with factors related to water quantity includes:

- **Climate parameters:** A climate module that allows for the evaluation of a range of climate scenarios, including deterministic and probabilistic simulations, and climate change.
- **Catchment areas:** The catchment area of each element is adjustable.
- **Hydrology parameters:** All parameters related to hydrology (e.g., runoff coefficients, sublimation, snowmelt, surface water–groundwater interactions) are adjustable for each feature.

Water quality source terms are assigned to each feature. A source term is the predicted composition of water in contact with a project-related material (e.g., stockpiled ore, explosives residues, treated sewage effluent). The water quality source term may comprise a geochemical loading rate or concentration directly applied to a catchment flow, or the source term may be simulated in an element--specific module, depending on the complexity of the geochemical behaviour being evaluated within an element. Base flexibility associated with factors related to water quality includes:

- **Source term variability:** The SWWBM includes source term end members that can be adjusted to reflect the inherent uncertainty with respect to conceptualization of geochemical reactions in site conditions. The source terms are developed to reflect the Application Case and Reasonable Upper Bound Scenario.

3.7.2 Added Flexibility

Based on a review of key areas of interest identified during the development of the Project to date, added levels of flexibility were implemented for selected elements within the SWWBM to facilitate the model's future use as the Project develops. These added levels of flexibility are not necessarily applied to all elements in the SWWBM. A greater level of computational flexibility is required for those elements that have a higher level of influence (i.e., risk or potential effects) on factors related to water quantity and/or quality within the SWWBM.

The added levels of flexibility considered for specific elements within the SWWBM include:

- **Design alternatives:** The SWWBM can simulate multiple design alternatives for selected elements that could affect water quality and quantity reporting from those elements through the lifespan of the mine (i.e., Construction, Operations, and Closure phases) and the far-future scenario.
- **Alternative water management infrastructure:** At selected locations, the SWWBM can simulate the effect of alternative water management approaches and/or structures at those locations through the lifespan of the mine (i.e., the Construction, Operations, and Closure phases) and the far-future scenario.
- **Natural "what ifs":** The SWWBM can simulate unpredictable natural events (i.e., events outside the Project's control, such as extreme rainfall events including a probable maximum precipitation [PMP] event) that may affect water management within the Project site.
- **Operational "what ifs":** The SWWBM can simulate unusual operational conditions (i.e., conditions within the Project's control) that may affect water management (i.e., quality and/or quantity) within a mine facility or receiving environment. This includes a random flexibility to account for unforeseen operational shutdowns including, for example, a temporary pump failure.

4 MODEL METHODS, INPUTS, AND ASSUMPTIONS

4.1 Model Structure

The SWWBM was generated in GoldSim, a generalized systems dynamic modelling platform, following the structure of elements and flows presented in the water process flow diagrams (Figure 5 and Figure 6; Section 3.3, Approach). The following subsections discuss the model element types used in the SWWBM. Detailed methods and inputs associated with simulation of the element types are provided in Section 4.4, Water Balance Inputs and Assumptions.

4.1.1 Source Elements

Source elements in the model include catchments, which are assumed to be net generators of runoff and/or seepage, groundwater inflows, and water intakes.

4.1.1.1 Catchments

Catchments are assumed to be net sources of water to the system via runoff and seepage generated within the catchment boundaries. Catchment runoff is simulated using a simplified approach whereby direct precipitation is multiplied by representative runoff coefficients (Appendices C and D). The runoff coefficient represents the fraction of precipitation input to the catchment (i.e., direct precipitation and snowmelt) that is translated into runoff. Appendix Appendix Runoff loss is the fraction of precipitation that is not translated into runoff. Runoff losses would consist of precipitation that is first stored at or near the ground surface and then either lost to the atmosphere through evaporation or infiltrates the ground surface.

The adopted runoff coefficients are conservative in magnitude (i.e., result in a greater amount of runoff from a given amount of rainfall or snowmelt) and applied consistently for all rainfall or melt events regardless of intensity, duration, or frequency. Runoff quality from each runoff catchment is simulated by applying a concentration to the runoff generated within the catchment.

4.1.1.2 Groundwater Inflows

Groundwater inflow sources are defined to account for groundwater entering the spatial model domain. Groundwater inflows may include pumped groundwater from dewatering wells (i.e., groundwater removed prior to reporting to the underground mine) or groundwater reporting to the underground mine. The key input for the quantity of water generated by a groundwater inflow element is groundwater flow rate. Groundwater quality is simulated by applying concentrations (e.g., major ions, metals, and radionuclides) to the specific groundwater source. If the groundwater inflow element actively recovers groundwater (i.e., pumping wells), then additional inputs such as operation schedule, operational efficiency, and operational utility are also incorporated.

4.1.1.3 Water Intakes

Water intakes represent sources of water from Patterson Lake. The water intakes are simulated based on a defined daily pumping rate adjusted for upstream demand. Water quality of water entering the system from a water intake is assigned according to baseline ambient concentrations (i.e., major ions, metals, and radionuclides) observed for the source waterbody near the geographic location of the intake. Other key inputs for water intakes are the operational schedule, operational efficiency, and operational utility.

4.1.2 Pond and Storage Elements

Pond elements are the primary storage elements in the model. These elements store water that is input directly and/or transferred from other model elements. Water stored in ponds will also flow out via flow nodes (e.g., pumping, gravity transfers). Pond storage is calculated as the residual of inflows to the pond (i.e., flow nodes reporting from other model elements and direct precipitation), outflows from the pond (i.e., flow nodes out of the pond, atmospheric losses from the pond surface), and vertical seepage losses applied to the antecedent storage. Initial conditions for pond storage and water level are required at the initiation of the model. Seepage is simulated based on the presence or absence of a liner, and a seepage rate is calculated as a function of water depth, area, and pond bed material characteristics. Key inputs for pond elements are stage-storage-area curves, which describe the geometry of the pond; the seepage rate from the pond; and the presence or absence of a

pond liner. Water quality values are aggregated based on the water quality of flows into the pond and the stored water for each time step. Pond elements are assumed to fully mix and have no layering or stratification.

Storage elements represent storage reservoirs not classified as “ponds” and typically include storage such as holding tanks and sumps. Like ponds, storage elements store water generated by other elements and interact with other model elements through inflows, outflows, and storage. The storage volume is calculated as the residual of inflows to the storage element reporting from flow nodes and outflows from the storage elements. Initial conditions for storage volume are required at the initiation of the model. Other key inputs for storage elements include the minimum and maximum range of storage volume in the element and any losses within the storage element.

4.1.3 Treatment Elements

Treatment elements are used to represent processes that primarily change water quality of flow streams, such as the ETP or the process plant. Key input variables include the following:

- inflow water quality;
- operational efficiency (i.e., constituent of potential concern treatment or removal efficiency);
- operational utility (i.e., the proportion of time that the treatment processes are active when planned to be active);
- operation schedule (i.e., whether the operation is in a batch or continuous mode); and
- loading, material reactivity, and water quality scaling factors.

The level of complexity incorporated in treatment elements varies, with the objective of not over-simplifying the treatment process. Further details are provided in Section 4.5, Water Quality Inputs and Assumptions.

4.1.4 Consumption Point Elements

Consumption point elements are used to represent water losses from the system due to consumptive activities such as dust suppression, domestic consumption, and tailings entrainment. The key input to a consumption point element is the consumption rate. Other input parameters for consumption point elements include operational efficiency, operational utility, and operation schedule.

4.1.5 Surveillance Point Elements

Surveillance points are used to aggregate and summarize model results at locations of interest in the SWWBM, as described in Section 3.6, Surveillance Points. No input variables are required for surveillance point elements.

4.1.6 Discharge Node Elements

Discharge nodes are used to represent discharges of release water (i.e., final point of control) to Patterson Lake. No input variables are required for discharge node elements.

4.1.7 Flow Node Elements

Flow nodes convey water between other elements such as source, pond, storage, treatment, and discharge elements. Flow nodes are differentiated by flow mechanism. Inter-element (i.e., between elements) flow nodes

include diversion channels, gravity transfers, and pumping via pipelines. Intra-element (i.e., within element) flow nodes include precipitation, evaporation, seepage, and groundwater.

The mechanisms associated with routing flow through the flow nodes are expected to operate at time intervals less than the daily time step of the SWWBM. For this reason, flow through the flow node is either constrained by a range of possible flow rates, a rating curve relating a controlling upstream elevation and flow through the flow node, a predefined flow rate (e.g., pump capacity), or a flow rate schedule (e.g., planned operational flow). Input parameters for simulating flow include predefined flow rates or flow rate schedules, flow losses to account for diversions (e.g., from an open channel due to seepage), minimum and maximum flow rates, and rating curves as appropriate.

4.2 Project Phases

The SWWBM is adapted to reflect site conditions during all Project phases. The SWWBM is also adapted to reflect site conditions under a far-future scenario. Water process flow diagrams (Figure 5 and Figure 6) have been developed to illustrate relevant processes and flow paths included in the SWWBM and to summarize process flows for steady-state conditions over the following three Project phases:

- **Construction Phase (Construction):** includes site preparation; mine, process plant, and additional infrastructure development; transportation of people and materials to and from the Project; and all activities associated with commissioning the Project until Operations commences. The duration of Construction is expected to be four years.
- **Operations Phase (Operations):** includes all activities associated with mining and processing ore; tailings management; management of waste rock, domestic waste, and hazardous materials; release of treated effluent; site maintenance; progressive reclamation; and transportation of people and materials to and from the Project up until Decommissioning and Reclamation commences. The duration of Operations is expected to be 24 years.
- **Decommissioning and Reclamation Phase (i.e., Closure):** includes two stages expected to occur over 15 years.
    - **Active Closure Stage:** includes active decommissioning and reclamation activities that occur post-Operations, such as backfilling mine workings, removal of physical infrastructure, recontouring and revegetating disturbed areas, waste disposal or removal, and any other activities deemed necessary to achieve decommissioning objectives and return the site to a safe and stable condition prior to the Transitional Monitoring Stage. The duration of the Active Closure Stage is expected to be five years.
    - **Transitional Monitoring Stage:** includes monitoring and reporting activities that occur post Active Closure that would continue until monitoring and reporting verifies that the performance criteria have been met. Once performance criteria have been fully demonstrated, an application to be released from the Canadian Nuclear Safety Commission licence would be submitted to the Canadian Nuclear Safety Commission for approval. Once that is achieved, and upon Provincial approval, the land would be transferred back under Provincial management through the Institutional Control Program. The duration of the Transitional Monitoring Stage is nominally 10 years; however, NexGen acknowledges this duration would be dependent on the achievement of performance criteria.

The far-future scenario is not a Project phase; it represents a steady-state equilibrium potential where seepages and runoff from the Project report to Patterson Lake in perpetuity.

Start dates are incorporated in the SWWBM to activate individual elements once they are constructed and become operational. Each element will remain active within the SWWBM between the start date and end date established as per the mine plan. As noted in earlier subsections, characteristics of each element may vary over the active period. Further details on the active periods assumed for each element are provided in Appendix B.

Construction is a four-year period, inclusive of pre-development activities (RPA 2020). The composition of the Project site during Construction is dynamic; therefore, a discrete water process flow diagram is not presented for this phase. Individual site components are anticipated to be constructed sequentially. Not all facilities represented in Operations water process flow diagram (Figure 5) are constructed and become operational at the same time. The variation of site composition over time means that a water process flow diagram during Construction would only be capable of capturing a snapshot at some point between the initiation of the construction and the initiation of process activities (i.e., Operations) rather than a steady physical state. To provide further clarity, although a water process flow diagram has not been prepared for this phase, each of the relevant processes and periods for Construction are included in the SWWBM.

Operations is a 24-year period. Operations flow logic diagram presented in Figure 5 shows the complete suite of elements that will be in place during Operations, as well as the relationships or connections between them. The characteristics of the elements in the Operations flow logic diagram may vary according to the mine plan during Operations; further details on the model inputs and assumptions for these stages are provided in Appendix C.

Closure includes two stages: the Active Closure Stage and Transitional Monitoring Stage.

- The Active Closure Stage is expected to be a five-year period. The composition of the site during Closure is dynamic; therefore, a discrete flow logic diagram is not presented for this phase. Individual site components are anticipated to be decommissioned sequentially. In a similar fashion to Construction, end dates are used in the SWWBM to deactivate elements during Closure. The elements are incrementally deactivated according to the mine plan. The last element to be deactivated will be the ETP and associated ponds, which are expected to remain active until the Active Closure Stage is complete, and there is reasonable confidence in the conditions during the Transitional Monitoring Stage.
- The Transitional Monitoring Stage is expected to be a 10-year period extending from the end of the Active Closure Stage and the handover of Institutional Control. The transition to Institutional Control involves monitoring of environmental media to verify that decommissioning performance criteria have been fully demonstrated prior to the transfer of the property to the Province of Saskatchewan.

The far-future scenario represents a steady-state equilibrium when seepages and runoff from the Project are predicted to report to Patterson Lake in perpetuity. A flow logic diagram for the Transitional Monitoring Stage and far-future scenario is shown in Figure 6; further details on the model inputs and assumptions for these stages are provided in Appendix D.

4.3 Model Scenario Development

This subsection summarizes and provides context for the model scenarios included in the SWWBM. A general list of information requirements that were used in deriving the scenarios is provided in Table 7.

Table 7: Information Requirement Drivers

Driver	Description
Effects assessment	Provide information to support an assessment of how mine operations will affect in-stream flow and water quality in the receiving environment. Information should be generated during each phase of the mine life, including throughout the range of in-stream flows because of withdrawals, diversion, induced losses to groundwater, and effluent discharge in consideration of climate, land use, and water allocation and withdrawal.
Water management evaluation	Test system performance over a range of climatic conditions.
Design support and verification	Evaluate FS engineering design system performance during extreme events.
Design alternative evaluation	Evaluate specific design alternatives for comparison to the FS engineering design in support of alternative evaluation and decision making.

FS = feasibility study.

Specific aspects of the flexibility listed in Section 3.7, Flexibility, are used to adapt the model to each scenario. Each specific model scenario is tailored to satisfy a specific information requirement based on existing documents (Government of British Columbia 2019; CNSC 2020; Environment Canada 2009, SERM 2000) and experience in permitting mines in Saskatchewan and across Canada. In general, the information requirements for the SWWBM are intended to provide a full characterization (quality and quantity) and predictions of all treated and untreated effluent sources. The scenarios include an Application Case as well as sensitivity analysis scenarios to provide context for uncertainty and potential implications for different assumptions. The sensitivity scenarios are intended to provide information on how the variation of climate, process efficiency, water quality assumptions, and operational uncertainties may affect the SWWBM results for the different phases of the Project. The scenarios summarized in Table 8 are intended to provide the information required to satisfy the expectations of rights holders, Indigenous and local communities, provincial regulators, and the Canadian Nuclear Safety Commission.

The scenarios in Table 8 are characterized according to Project phase, time, climate, information driver, and information objective. The Project phase indicates the Project phases and stages to which the scenario applies. The time information summarizes the temporal domain (Section 3.2, Spatial and Temporal Domain), time step, and the mode (deterministic or stochastic) for the climate-related calculations. The climate summary indicates climate data used in the simulations, which are discussed in further detail in Section 4.4.1.1, Climate. The driver summary indicates what the scenario can evaluate (Table 7). The information objective provides a summary of the objective of each scenario.

Table 8: Summary of Scenarios

ID	Description	Project Phase	Water Quality	Time	Climate	Driver	Information Objective
1	Application Case	All phases	Expected case	TS-D (D)	H	EA, WM, DV	Environmental Assessment verification forecasting
2	Application Case – deterministic climate	All phases	Expected case	TS-D (D)	H	EA, WM, DV	Sensitivity to climate timing and start time
3	Application Case – stochastic climate	All phases	Expected case	TS-D (S)	H	EA, WM, DV	Sensitivity to climate cycles
4	Far-Future scenario	FF	Expected case	TS-D (D)	H	EA, WM, DV	Forecasting
5	Climate change	All phases	Expected case	TS-D (D)	CC	EA, WM, DV	Effect of climate change

Table 8: Summary of Scenarios

ID	Description	Project Phase	Water Quality	Time	Climate	Driver	Information Objective
6	Extreme event – summer PMP	All phases	Expected case	TS, EB	H, July PMP	WM, DV	Forecasting extremes
7	Extreme event – spring PMP	All phases	Expected case	TS, EB	H, April PMP	WM, DV	Forecasting extremes
8	Extreme event - summer PMP climate change	All phases	Expected case	TS, EB	CC, July PMP	WM, DV	Effect of climate change forecasting extremes sensitivity to climate
9	Sensitivity – wet cycle	All phases	Expected case	TS-D (D)	H	WM, DV	Sensitivity to climate
10	Sensitivity – dry cycle	All phases	Expected case	TS-D (D)	H	WM, DV	Sensitivity to climate
11	Sensitivity operations conservative water quality	All phases	Upper bound case	TS-D (D)	H	WM, DV	Sensitivity to source terms
12	Sensitivity conservative water quality and low treatment efficiency	All phases	Upper bound case low treatment	TS-D (D)	H	WM, DV	Sensitivity to uncertainty in operational treatment efficiency
13	Sensitivity expected water quality and low treatment efficiency	All phases	Expected case low treatment	TS-D (D)	H	WM, DV	Sensitivity to uncertainty in operational treatment efficiency
14	Sensitivity WRSAs alternatives	All phases	Expected case Alternate WRSAs[(a)]	TS-D (D)	H	DA	Alternative for waste rock storage and source terms
15	Sensitivity to upset conditions	All phases	Expected case	TS-D (D)	H	WM, DV	Upset conditions; operational “what ifs”

a) See Table 10.

CC = climate change; H = historical climate time series; D = deterministic; EB = event based; TS = time series; TS-D = daily time series; TS-D (D) = daily time series run in deterministic mode; TS-D (S) = daily time series run in stochastic mode; S = stochastic; FF = far-future; EA = effects assessment; WM = water management evaluation; DV = design support and verification; DA = design alternative evaluation; WRSAs = waste rock storage areas.

4.4 Water Balance Inputs and Assumptions

This subsection summarizes the water balance inputs and assumptions required to operate the model structure (Section 5.2, Water Quality Model Results) to simulate the water balance for the Project activities.

4.4.1 Water Balance Inputs

The SWWBM is used to account for water sources to, movement within (i.e., routing, storage, division, aggregation), and losses (i.e., consumption and discharge) from the model domain over time. Detailed data parameters that are required to parameterize and run the SWWBM during the Project Period are summarized in the data tables included in Appendix C, Operations Phase. The detailed data parameters that are required to parameterize and run the SWWBM during post-closure are summarized in the data tables included in Appendix D, Transitional Monitoring Stage and Far-Future Scenario.

The parameters adopted for each element are those required to describe the water balance and water quality processes accounted for by the SWWBM.

4.4.1.1 Climate

General methods and assumptions common to several element types (Section 4.1, Model Structure) include climate and hydrometeorological interactions between an element and the atmosphere. The key interactions between the atmosphere and SWWBM elements are additions such as direct precipitation and atmospheric losses such as evaporation, evapotranspiration, and sublimation. Climate scenarios (historic, deterministic, stochastic and climate change) are described in Section 3.2.2.3.

Direct Precipitation

Precipitation data include both long-term time series and event-type datasets. Time series precipitation data are at a daily time step.

Snowmelt

Daily snowmelt from the snowpack is estimated using a temperature index per degree day model (Dingman 2002). In this method, a base or threshold temperature, which is assumed to be 0°C, is subtracted from the daily mean air temperature when spring temperatures exceed 0°C. This result is then multiplied by a melt coefficient to determine snowmelt water equivalent depth. The melt coefficient adopted for the Project site was estimated to be 4.9 millimetres per degree Celsius per day (mm/°C/day) based on the melt coefficient empirically derived by the regional hydrology model calibration of 3.0 mm/°C/day; EIS Section 9, Hydrology) increased to account for anticipated changes in surface albedo (i.e., how much solar radiation is reflected) associated with dust, snow clearing and storage, and built infrastructure in the Project footprint relative to the regional receiving environment.

Atmospheric Losses

The SWWBM accounts for losses of water to the atmosphere including:

- evaporation from open water surfaces using the Penman Combined model (Dingman 2002) modified for lake evaporation estimation by considering change in heat storage in the waterbody (McJannet et al. 2013); the heat storage term is estimated following the approach outlined in Jensen (2010); and
- sublimation from all land and frozen water surfaces using the Kuchment and Gelfan (1996) model.

Evapotranspiration losses are accounted for in the runoff coefficients used in the SWWBM (see Appendices C and D).

4.4.1.2 Fresh Water Intake and Use

Raw fresh water would be sourced from a single location in the Patterson Lake North Arm – East Basin. Raw fresh water would be conveyed from the intake to the fresh water storage tank for preliminary staging via the fresh water pumphouse. Some fresh water from the fresh water storage tank would treated in the fresh water treatment plant before being distributed for domestic fresh water consumption. The balance of raw fresh water would be distributed to support various demands for surface industrial activities, underground activities, ETP demand, and process plant uses, as well as fire suppression. Fresh water would either be consumed (i.e., lost from system) or converted to contact water during use.

The simulated rate of fresh water intake is variable based on demands according to Project activities, camp population, and ore production over time.

4.4.1.3 Non-contact Water Runoff

Non-contact water would be generated as runoff from undisturbed catchments located adjacent to or within the Project footprint. Non-contact water generated from undisturbed catchments adjacent to the Project footprint would be diverted around the industrial area using diversion ditches (e.g., east perimeter diversion, west perimeter diversion, and south perimeter diversion) and conveyed directly to Patterson Lake. Any non-contact water generated within the Project footprint that could not be diverted around the industrial area would report to the contact water management system (i.e., collection ponds, ETP) and be managed as contact water (Section 4.4.1.4 Non-mineralized Contact Water Runoff, and Section 4.4.1.5, Mineralized Contact Water Runoff).

Non-contact water runoff is calculated in the model based on catchment area and runoff coefficients applied to daily rainfall and/or snowmelt.

4.4.1.4 Non-mineralized Contact Water Runoff

Non-mineralized contact water would be generated as runoff from surfaces that are not expected to be mineralized (e.g., NPAG waste rock, camp area). Non-mineralized contact water would be segregated from mineralized contact water by site drainage and grading. Non-mineralized contact water would be collected, captured, and conveyed to site runoff pond #2 (Figure 4) for containment. The capture zone (i.e., area that contributes water) for site runoff pond #2 would include the construction camp area, modular construction facility, WRSAs, construction laydown area, batch plant sand and aggregate storage, and conventional waste management area. If the water collected within site runoff pond #2 is suitable for release based on testing against effluent release targets, it will be released to the environment through the west bermed runoff collection area. If the water is tested and not suitable for release, it will be deemed mineralized contact water and pumped to the site Settling Pond where it will be either reused in the process plant or treated in the ETP.

Non-mineralized contact runoff is calculated in the model based on catchment area and runoff coefficients applied to daily rainfall and/or snowmelt.

4.4.1.5 Mineralized Contact Water Runoff

Mineralized contact water would be generated as runoff from surfaces that are expected to be mineralized (e.g., mine terrace, mill terrace, ore storage stockpile, PAG WRSA). Mineralized contact water runoff would be segregated from non-mineralized contact water runoff by site drainage and grading. Mineralized contact water would be collected and contained in site runoff pond #1 or in self-contained areas such as the ore storage stockpile sump, special waste stockpile sump, or PAG runoff collection area (Figure 4) before being conveyed to the settling pond for reuse or treatment. The capture zone for site runoff pond #1 would include the mine terrace, fresh air intake area, haul road, and mill terrace. The Application Case assumes that waste rock storage is segregated with NPAG being unlined and PAG being lined and including engineered source control layers. A cover system will be placed over the final WRSA landforms (EIS Section 5, Project Description).

Mineralized contact runoff is calculated in the model based on catchment area and runoff coefficients applied to daily rainfall and/or snowmelt. The rate of pumping from containment ponds is adapted to maintain flood storage and freeboard but is distributed so that the rate would not stress receiving elements.

4.4.1.6 Underground Contact Water

Underground contact water is water recovered from underground mining activities during construction and mine development and consists of groundwater inflows as well as water previously used in underground activities such as underground line flushing that is recovered after use. The underground mine workings would be dewatered during construction and mine development and would act as a sink for groundwater flows; groundwater would flow into the mine and be recovered rather than flowing out to the receiving environment. Underground contact water recovered in the underground mine workings would be collected for preliminary storage and pre-treatment to screen solids and settle TSS before being pumped to the settling pond (Figure 5).

Underground contact water is calculated in the SWWBM based on values developed for the feasibility study (FS) (Wood 2020a).

4.4.1.7 Process Plant Water

Process contact water would be generated as a result of the process plant. Feed water to the process plant would include raw fresh water and contact water from the settling pond. Process contact water effluent from the process plant would either be entrained in tailings paste, disposed of underground, or pumped to the ETP for treatment.

The demand rates to and outflows from the process plant were simulated based on a combination of values provided in the FS (Wood 2020a) prorated by the projected ore production rate.

4.4.1.8 Sewage Generation

Sewage is generated from the use of raw or treated fresh water by domestic sources and includes water reporting from washrooms, showers, laundry and the kitchen. Sewage would be collected and stored before being transferred to the sewage treatment plant, where it is treated before being released to Patterson Lake via the treated sewage outfall.

The rate of sewage generation is accounted for in the SWWBM based on values provided for FS level engineering, adjusted over time for the projected camp population.

4.4.1.9 Release Water Discharge

Release water is generated from treated contact water (treated effluent), treated sewage, and non-mineralized contact water that is acceptable for release, as well as non-contact water. Water is classified as release water if it is confirmed to meet applicable environmental release targets, which are defined on a preliminary basis and will be refined through licensing. Release water would be discharged to Patterson Lake actively through the treated mine effluent diffuser and treated sewage outfall, or passively through diversions.

Discharge of release water from the treated effluent monitoring ponds via the treated mine effluent diffuser would be operated in a batch release mode. The rate of discharge is simulated on a demand basis in the SWWBM, discharging water accumulated in the treated effluent monitoring ponds daily if the proposed environmental release targets (Appendix H) are met.

Discharge of release water from the sewage treatment plant via the treated sewage outfall would be operated in a continuous release mode. The rate of discharge is simulated on a continuous basis in the SWWBM.

4.4.2 Water Balance Assumptions

The assumptions required for development and operation of the SWWBM are summarized in Table 9.

Table 9: Water Balance Assumptions

Data Type	Input Data Assumption	Rationale or Need for Assumption
Effluent treatment pond(s) batch release	Batch release is set such that a maximum of four individual ponds can be released in a single 24-hour period. The maximum rate of release from each effluent treatment pond is 1/4 the maximum batch release rate.	The batch operation release sequence was approximated because the batch release duration (6 hours) is less than the minimum time step of the model (24 hours or one day).
Underground contact water	Paste fill does not produce water from seepage.[(a)]	Necessary assumption required to rationalize parameterization of a zero flow from a potential source.
Underground contact water	Seepage from backfilled primary stopes and secondary stopes will not be recovered during Operations (i.e., no drainage from backfills).[(a)]	Necessary assumption required to rationalize parameterization of a zero flow from a potential source.
Initial conditions for pond and storage elements	All ponds have initial volume of zero (i.e., zero mass in all ponds except Patterson Lake). Ponds are activated when they are constructed and assumed empty at Closure.	Necessary to clarify initial conditions for model simulations.
Pump operating rules	Pumps from storage elements are initiated automatically when 80% of maximum storage capacity is reached. Pumps from storage elements are stopped when storage reaches minimum allowable (10% of maximum storage capacity).	Minimum storage required to reduce noise in pumping.
	The routine daily pumping rate is truncated on a daily time step if the minimum allowable storage is achieved.	Minor variation of pumping rates required at the margins of operating range needed to maintain model stability and account for probable variation during operation.
	For pumps from pond/storage elements, the pumping rate is increased above routine to maximum capacity if storage in the upstream pond/storage element exceeds 90% of maximum storage capacity. The maximum pumping rate is assumed to be 1.5 times the routine pumping rate.	

a) Constituent masses are accounted for in geochemical source terms and solute transport modelling (Section 4.6, Model Verification and Performance).

4.5 Water Quality Inputs and Assumptions

This subsection summarizes the model inputs and assumptions required to simulate the quality of the water included in the water balance.

4.5.1 Source Term Inputs

A water quality (i.e., mass per unit volume) or mass load (i.e., mass per unit time) is assigned to each identified source of mass within the site. The reference for the quality or load assigned to each source throughout Construction, Operations, and Closure phases and for the far-future scenario is detailed in Appendix C and Appendix D, respectively, and summarized in Table 10. The source input values are presented in Appendix E, Source Terms. References for data inputs are provided in Appendix C, Table C-2. These are referred to in subsequent, more detailed tables in Appendix C according to the Reference Number of “Ref #” in that table.

Data gaps were identified in seven source term input datasets where one or more parameters were not measured. In these cases, a conservative assumption was made using available data from the Project site or other active uranium mine sites in northern Saskatchewan (e.g., Cameco Key Lake Operation). The identified

data gaps and subsequent assumptions made to develop a quality or load for the missing parameters for use as a model input are summarized in Table 11.

The water quality or mass load associated with the following constituents is simulated within the water quality portion of the SWWBM:

- **General chemistry and nutrients:** total ammonia (as nitrogen), chloride, nitrate (as nitrogen), total phosphorus, and sulphate.
- **Total metals:** aluminum, arsenic, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, selenium, sodium, strontium, uranium, vanadium, and zinc.
- **Radionuclides:** lead-210, polonium-210, radium-226, and thorium-230.

Table 10: Water Quality Data Input Summary

Source	Quality/Load Used as Model Input
Fresh water intake	Patterson Lake North Arm – East Basin baseline water quality
Undisturbed areas / natural runoff	Patterson Lake baseline water quality
Ore storage stockpile	Ore storage stockpile source term
Special waste rock stockpile	Special waste rock stockpile source term
Natural groundwater	Groundwater quality from bedrock wells
PAG WRSA	PAG WRSA[(a)] source term
NPAG WSRA	NPAG WRSA[(a)] source term
Sewage discharge	Sewage discharge objectives
Disturbed areas/runoff in contact with land affected by Project activities	SFE leachate quality of P11[(b)] borrow material (Okane 2020b)
Process Plant	Mixed effluent feed quality (Wood 2019)
Alternate WRSAs	Alternative WRSAs[(c)] source term
Treatment plant efficiency	Anticipated treatment plant removal efficiency
Underground rock wall	Underground rock wall source term
WSRA closure cover	SFE leachate quality of P11 borrow material (Okane 2020b)
Reclaimed areas	SFE leachate quality of P11 borrow material (Okane 2020b)

a) Waste rock storage option involving the installation of a liner and incremental segregating, hauling, and placing of PAG waste rock in a segregated facility with alternating lifts of engineered source control material during Construction and Operations; incremental segregating, hauling, and placing of NPAG waste rock in a segregated facility during Construction and Operations; and decommissioning of both segregated PAG and NPAG facilities.
b) P11 borrow material was collected from a test pit within the planned Rook I Project footprint (Okane 2020b).
c) Alternate waste rock storage option involving incremental hauling and placing of waste rock in lifts at a single, unsegregated facility with alternating lifts of engineered source control material during Construction and Operations, and decommissioning of a single facility.
PAG WRSA = potentially acid generating waste rock storage area; NPAG WRSA = non-potentially acid generating waste rock storage area; SFE = shake flask extraction; WSRAs = waste rock storage areas.

Table 11: Water Quality Data Gap Assumptions

Source	Data Gap	Input Assumption	Rationale	Reference
Natural groundwater	Phosphorus concentration not measured	Median groundwater quality from overburden wells	Conservative assumption based on available data for the Project site	Golder 2020
	Mercury concentration not measured			
PAG WRSA	Phosphorus input not provided	2017 average and maximum concentration from Cameco Key Lake Gaertner Special Waste Pad for the Application Case and Reasonable Upper Bound Case, respectively	Conservative assumption based on measured phosphorus concentrations at an active uranium mine in northern Saskatchewan	Cameco 2018
NPAG WRSA	Phosphorus input not provided			
Ore storage stockpile	Phosphorus input not provided			
Special waste rock stockpile	Phosphorus input not provided			
Borrow material	Radionuclide content not measured	Median groundwater quality from overburden wells	Conservative assumption based on available data for the Project site	Okane 2020b
Underground rock wall	Phosphorus input not provided	Underground tailings management facility source term concentration	Consistent with Project groundwater solute transport model inputs	EIS Appendix 10A

PAG = potentially acid generating; NPAG = non-potentially acid generating; WSRA = waste rock storage area.

4.5.2 Source Term Assumptions

The following assumptions and limitations were used in the development of the site water quality model:

- Water quality is modelled instantaneously and assumes fully mixed conditions within any given reservoir or element.
- The site water quality model is mass-conservative (with the exception of the ETP, as described below). It does not account for:
  - changes in pH or redox conditions that may occur when calculating mixed water qualities, except for where it may have been included in the development of the source terms;
  - total suspended solids;
  - dissolved oxygen;
  - temperature;
  - nutrient cycling;
  - settling of particulate matter; and
  - solubility limits, except for where they may have been included in the development of the source terms.
- Radioactive decay is applied to radionuclides.
- Mass inputs from rainfall and snowmelt and mass loss from evaporation is assumed to be negligible.
- The preliminary environmental release targets (Appendix H) used as a basis for acceptable release to the environment are subject to change in future model iterations.

- With the exception of the underground rock wall source terms, all source terms were provided as constant sources (i.e., concentration/load per unit mass does not change over time).
- The ETP removal efficacy is incorporated by applying a fixed removal efficiency for each constituent. Removal efficiency inputs were based on values carried for prefeasibility and feasibility level engineering (Wood 2019) and are listed in Appendix E.
- The low ETP removal efficiency used in model scenarios 12 and 13 (Table 8) was assumed to be 99% of the routine treatment efficiency, which was intended to test a reasonably foreseeable reduction in treatment efficiency that would be persistent over time. For example, if the routine treatment efficiency is 99.9% removal and the low treatment efficiency is 98.9%, the concentration in the effluent would increase from 0.1% of the ETP feed water quality to 1% of the ETP feed water quality.
- The primary source of ammonia and nitrate in the treated effluent discharge is assumed to be from explosives, and concentrations were calculated based on the anticipated explosive type, powder factor, waste rate, and anticipated tonnage of development rock being produced (Ferguson and Leask 1988, Morin and Hutt 2008, Golder 2021e).
- It is assumed that throughout Closure, ammonia and nitrate concentrations in the treated effluent ponds will linearly decrease over 10 years until reaching a steady-state reclamation / far-future concentration, reflecting a flushing of residual nitrogen from waste rock and other materials.
- It is assumed that the WRSAs source term developed from long-term average conditions can be applied under variable climate conditions.
- During the far-future scenario, infiltration into the WRSAs is directed to Patterson Lake via groundwater and will not report to the Rook I Project site surface.
- The process plant effluent source term was applied additively to the predicted concentrations of the process plant influent since the input quality was developed from pilot testing that used non-contact water.
- Predicted calcium and sodium concentrations from the ETP to the treated effluent ponds were calculated from a sulphate to calcium molar ratio and sulphate to sodium molar ratio of 6.9:2.6 and 6.9:8.8, respectively. These ratios were provided by NexGen (Lieu 2021) and based on preliminary modelling results.

4.6 Model Verification and Performance

Evaluation of model performance is an important aspect of any modelling exercise. At the current phase of model and Project development, monitoring data are not available for calibration or validation of the SWWBM because the site has not been developed. As a result, it is not possible to calibrate or validate predictive modes of the model at the current time; however, the Application Case scenarios may be used for qualitative verification of whether the SWWBM functions as intended.

A comparison of cumulative global inflows to outflows was completed to confirm that the model conserves mass, to understand any systemic bias in the model, and to verify if the model results are reasonable. The net balance of flows is presented in Table 12. A net loss of two percent of inflows was observed for the entire model domain over the course of simulations extending from construction through to closure. The net loss is attributed to model artefacts associated with residence time and time steps during model simulation. A positive volume bias was diagnosed for catchment source elements Q06, Q07 and R51 associated with snowpack accounting routines at

the runoff source element scale. Overall, the biases presented in Table 12 are not expected to have a material influence on model results. In general, the patterns and magnitudes of inflows and outflows are reasonable relative to the model configuration, input data, and simulation constraints.

Table 12: Model Verification

Location	ID	Net Balance (% of inflows)
West Surface Runoff Discharge	Q01	-0.5
Treated Effluent Discharge	Q02	-2.3
Treated Domestic Sewage Discharge	Q03	0.0
East Surface Runoff Discharge	Q05	0.8
South Perimeter Diversion Discharge	Q06	0.3
West Perimeter Diversion Discharge	Q07	0.3
Non-contained Airport Runoff	R51	0.3
Model Domain	n/a	-2.0

n/a = not applicable.

5 MODEL RESULTS AND SENSITIVITY

This subsection discusses the model results as they relate to current application of the SWWBM with a focus on supporting assessment of the effects of Project activities on the receiving environment and answering specific questions about how the variation of climate, process efficiency, water quality assumptions, and operational uncertainties may affect the SWWBM for the different phases of the Project. Though modelling was completed using an integrated approach, the results are presented first for the water balance followed by water quality for ease of interpretation and reference. In the discussion of results, names of specific elements are followed by the applicable identifier used on the water process flow diagrams in Figure 5 and Figure 6 for ease of reference (e.g., site runoff pond #1, which is a Pond/Storage (P/S) element, is identified as P/S00). For elements with a surveillance point (SP) located immediately downstream, both the element identifier and surveillance point identifiers are included (e.g., site runoff pond #2 (P/S09; SP04)).

The sensitivity analysis scenarios described in Section 5.1.2 are a key component of managing uncertainty. The sensitivity analysis scenarios are used to evaluate model sensitivity to conservative water quantity (i.e., dry cycle and wet cycle) and water quality scenarios including the sensitivity to adopting the upper bound for geochemical source terms, and to a range of treatment efficiencies (i.e., low efficiency, high efficiency). Conclusions derived from the results of the sensitivity analysis scenarios are used to inform the water management plans for each phase of the mine lifespan.

Scenario 4 (Far-Future) is not discussed in detail in this technical support document given the results were not used in environmental assessment. In the approach used to support the effects assessment, the Application Case transitions to a long-term looping simulation representative of conditions following Institutional Control. The approach for simulating Far-Future surface water conditions is described in detail in EIS Appendix 9A and EIS Appendix 10A.

5.1 Water Balance Model Results

The water balance focuses on the flow rates at water intake and discharge locations, including variations between Project phases and seasonality.

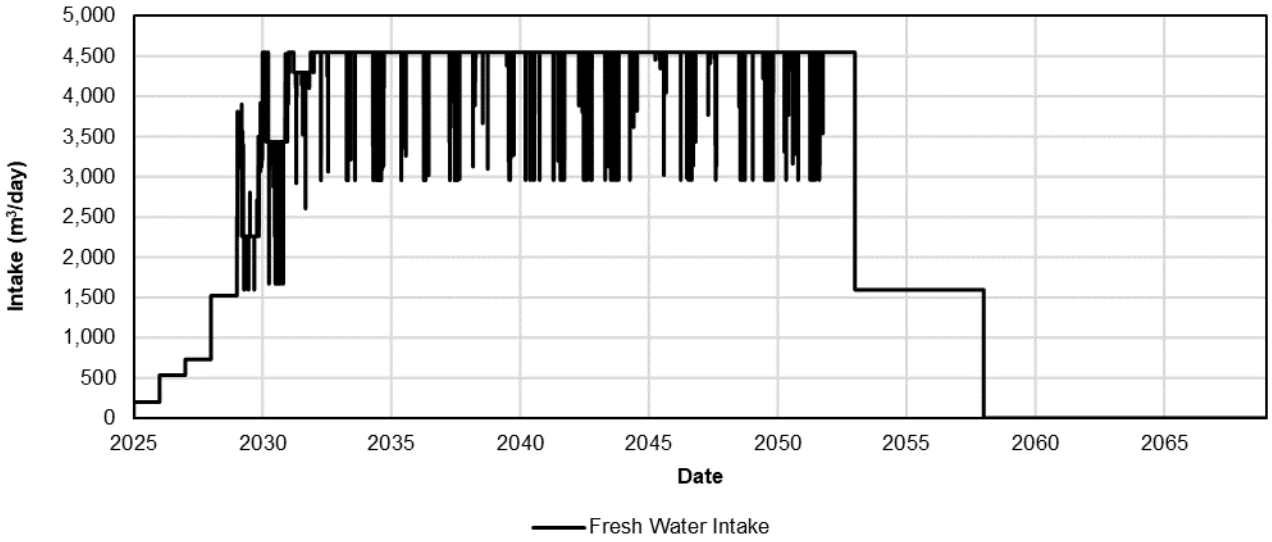
5.1.1 Application Case for Effects Assessment

The water balance of the capture zones shown on Figure 4, as well as non-contact water diversions adjacent to the mine, are accounted for and reflected by the SWWBM as described in Section 3.4, Water Process Flow Diagrams. The focus of the results is on Construction (4 years; 2025 to 2028), Operations (24 years; 2029 to 2052), and Closure including the Active Closure Stage (5 years; 2053 to 2057) and Transitional Monitoring Stage (10 years). The Transitional Monitoring Stage water balance results are also indicative of the expected far-future scenario.

Intake

Fresh water would be sourced from a single location in the Patterson Lake North Arm – East Basin via the fresh water intake (I01). Fresh water demand for the Project would consist of fresh water for domestic consumption and fresh water for use in the fire water loop, a portion of process plant water, and surface industrial uses (Figure 5). The rate of fresh water intake would increase during Construction and into Operations as demands are added with more and more complex Project activities. During Operations, the fresh water intake would be, on average, approximately 4,300 m^3/d. The fresh water intake rate would decrease during the Active Closure Stage and then cease in the Transitional Monitoring Stage. The anticipated rate of fresh water intake from Patterson Lake is shown in Figure 7.

Figure 7: Anticipated Rate of Fresh Water Intake from Patterson Lake over Project Lifespan for the Application Case

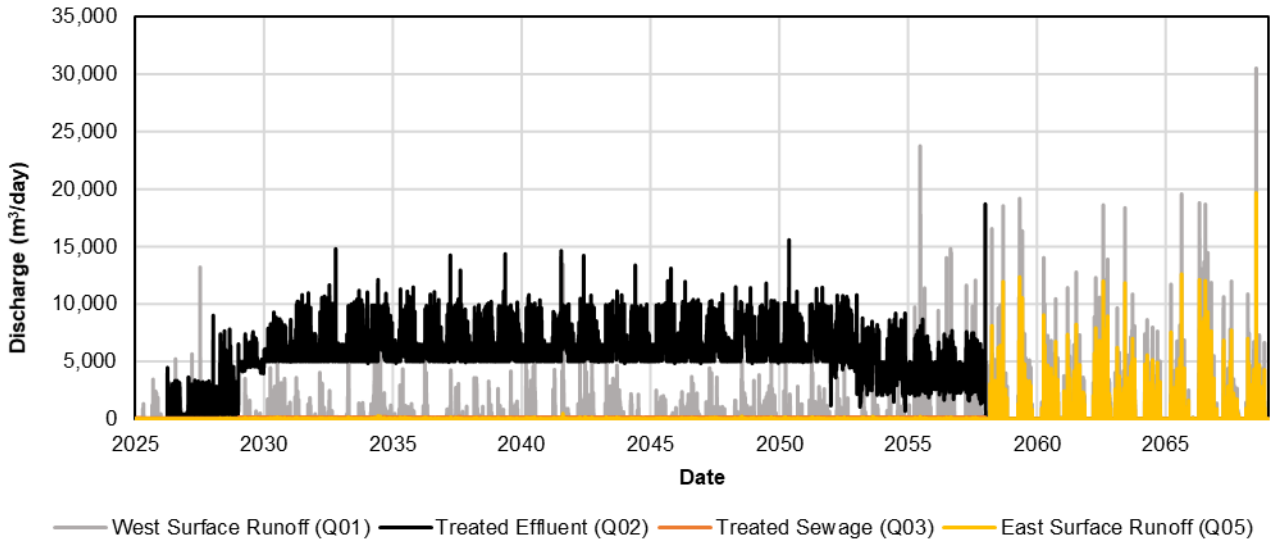


Discharge

Surface runoff from the west surface runoff discharge (Q01) would report to the Patterson Lake North Arm – West Basin. During Construction, Operations, and into the Active Closure Stage, the west surface runoff discharge (Q01) would include non-contact water from downstream of the site runoff pond #2 (P/S09; SP04) area as well as non-mineralized contact water that has been tested and confirmed to be acceptable for release. In the Transitional Monitoring Stage and into the far-future scenario, the west surface runoff discharge would also convey runoff from reclaimed, revegetated, and covered surfaces that would have formerly drained to the site runoff pond #2 (P/S09; SP04), and discharge rates will increase in magnitude. The rate of discharge via the west surface runoff (Q01) would be periodic and responsive to rainfall and snowmelt events. The estimated rate of daily discharge via the west surface runoff (Q01) to Patterson Lake is shown in Figure 8.

Treated effluent would be discharged via the mine effluent diffuser (Q02) to the Patterson Lake North Arm – West Basin. The feed (SP05) to the ETP (T01) would include components of recovered groundwater from the underground workings, process plant water, collected and captured runoff from mineralized or potentially mineralized surfaces on site, and runoff from non-mineralized surfaces that does not meet water quality-based environmental release targets. The treated effluent would be held in four treated effluent monitoring ponds (P/S01 to P/S04; SP02), tested relative to water quality environmental release targets, and released as a batch release if targets are met. The daily rate of treated effluent release (Q02) would vary throughout the mine life based on a variety of Project activities and seasonality. The estimated rate of daily treated effluent discharge to Patterson Lake is shown in Figure 8.

Figure 8: Estimated Rate of Daily Discharge to Patterson Lake via Various Pathways over Project Lifespan



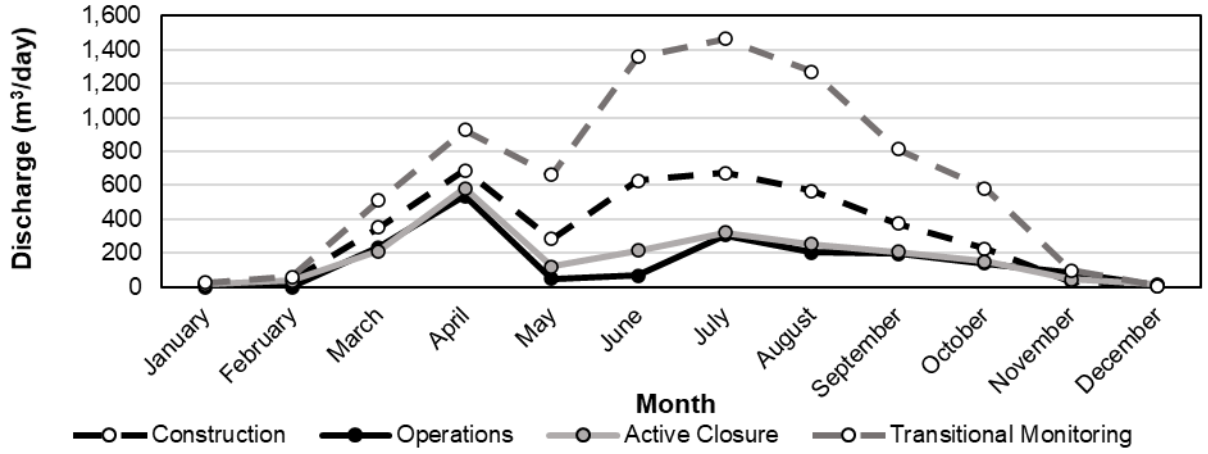
Treated sewage would discharge to the Patterson Lake North Arm – West Basin via the treated sewage outfall (Q03). Sewage generation would start during Construction and continue through Operations and the Active Closure Stage. The proposed peak workforce is assumed to include potential overlap during construction and operation of the facility, for a total design population of 350 people. As indicated in Figure 8, the magnitude of treated sewage discharge is small relative to other discharges. The daily treated sewage discharge during Operations is anticipated to average 150 m^3/d and ranges up to 165 m^3/d with some seasonal variation.

Surface runoff from the east surface runoff (Q05) would discharge to the Patterson Lake North Arm – East Basin. During Construction, Operations, and into the Active Closure Stage, the east surface runoff discharge will consist of non-contact water from outside of the mine-controlled area. During the Transitional Monitoring Stage and into the far future, runoff from some reclaimed, covered, and revegetated surfaces within the former mine-controlled area including the covered PAG WRSA would be routed to the east surface runoff and discharge to the Patterson Lake North Arm – East Basin. The estimated rate of daily discharge via the west surface runoff (Q01) to Patterson Lake is shown in Figure 8.

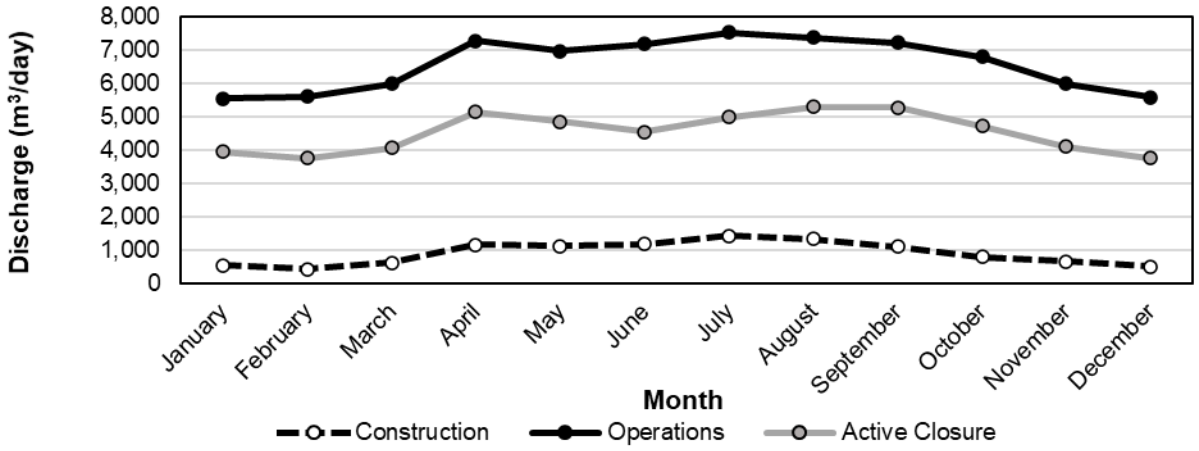
The estimated seasonal variation for discharge to Patterson Lake is shown in Figure 9. The discharge rates presented in Figure 9 are monthly averages while the discharge rates presented in Figure 8 are daily. The magnitude of discharge via pathways with rapid runoff response appear higher on a daily time step than the monthly average but are separated by days with much lower or zero flow conditions.

Figure 9: Seasonal Variation for a) West Surface Runoff, b) Treated Effluent, and c) East Surface Runoff for Application Case

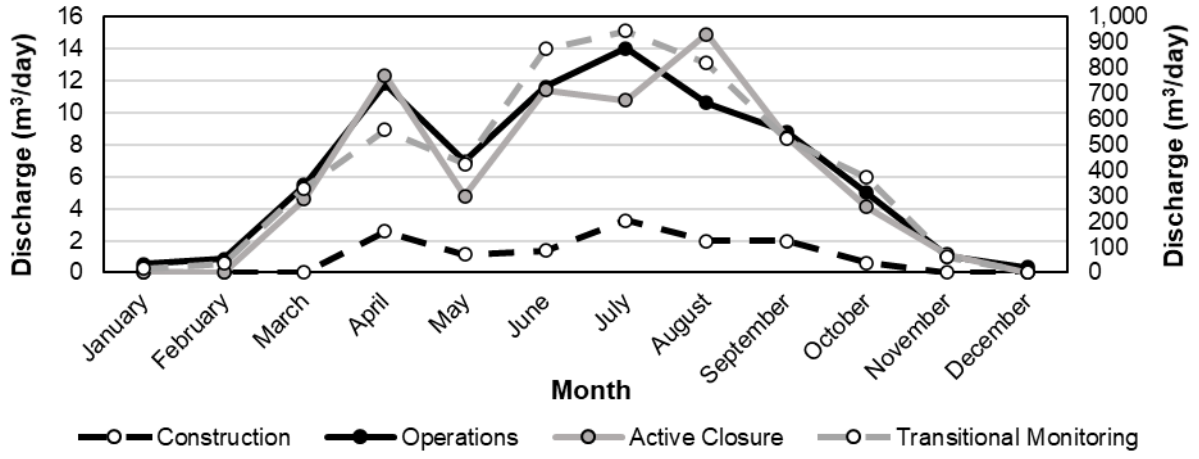
a)



b)



c)

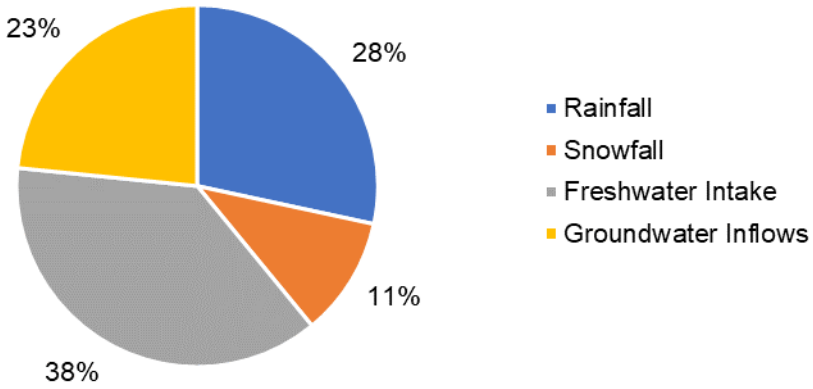


Note: Transitional Monitoring Stage shown on secondary y-axis.

Global Summary of Inflows and Outflows

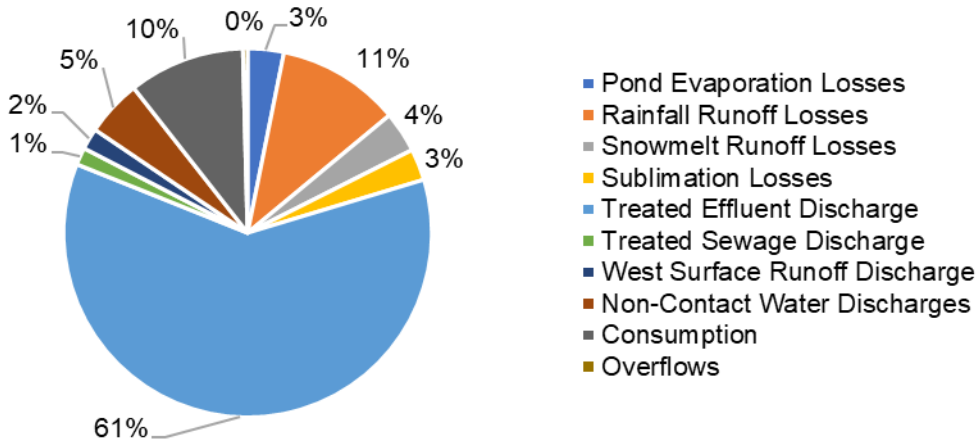
Water enters the SWWBM spatial domain by a combination of rainfall, snowfall, fresh water intake, and groundwater inflow. The simulated distribution of total SWWBM inflows over the Application Case is summarized in Figure 10. Note that the values presented in Figure 10 are prior to any losses being applied (e.g., sublimation, runoff losses). Approximately 61% of inflows are associated with groundwater inflows and fresh water intake, and 39% of inflows are associated with precipitation inputs.

Figure 10: Distribution of Inflows to Model Domain during the Application Case



Water leaves the SWWBM spatial domain by a combination of atmospheric losses, runoff losses (surface storage, soil storage, evapotranspiration), consumption, overflows, and as release water and non-contact water diversion discharges. The simulated distribution of total SWWBM discharges over the period from 2025 to 2068 in the Application Case is summarized in Figure 11. Approximately 64% of outflows are associated with treated effluent discharge release and non-contact water diversion discharges, 21% are associated with atmospheric losses from pond surfaces and runoff losses, and 10% are associated with consumption. The small percentage (less than 0.1%) of outflows as “overflow” is considered a percent error value rather than actual discharge.

Figure 11: Distribution of Outflows from the Model Domain during the Application Case



Note: The 0% shown at the top of Figure 11 corresponds to Overflows.

5.1.2 Sensitivity Scenarios

As described in Section 4.3, Model Scenario Development, the model includes an Application Case as well as sensitivity analysis scenarios to provide context for uncertainty and potential implications for different assumptions. The sensitivity scenarios are intended to provide information on how the variation of climate, process efficiency, water quality assumptions, and operational uncertainties may affect the SWWBM results for the different phases of the Project. The model scenarios are presented in Table 8.

5.1.2.1 Sensitivity to Climate Cycles and Climate Change

This subsection discusses the sensitivity of the site water management system to cycles observed in the historical climate as well as projected change to future climate over the Project lifespan. The sensitivity of the site water management system to climate cycles and climate change was evaluated using targeted scenarios as described below. Results for the sensitivity to climate cycles and climate change focus on variations of treated effluent discharge (Q02) as simulated by various sensitivity scenarios. A summary of simulation results under various climate scenarios is presented in Table 13.

Timing of Project in Climate Cycles

The Application Case (Scenario 1) adopts current climate and arbitrarily pairs the start date of the historical climate time series to the start date of the model simulations (i.e., historical time 1 January 1979 adopted for 1 January 2025). This assumes that the 2025 timing of the Project in periodic climate cycles will be the same as 1979. Climate is naturally variable, and it is uncertain if the Project time will synchronize with the climate cycles, as assumed in the modelling exercise. Scenario 2 was run to test if the model is sensitive to the potential timing of climate cycles. The start date of the model simulations was paired with a historical date based on a high-level estimate of oscillating climate cycles from the Pacific decadal oscillation, which is a longer-term climate oscillation that influences continental climates in the Prairie provinces. Under this sensitivity scenario, the historical time series value for 1 January 1988 was adopted for 1 January 2025 and the historical time series was otherwise looped similar to Scenario 1. The model results for Scenario 2 were only marginally different than Scenario 1, which verifies the model results are not sensitive to the timing of the Project phases relative to the timing of natural climate cycles.

Randomized Climate Variability

The Application Case (Scenario 1) adopts current climate based on the historical climate time series in a deterministic mode and assumes that future conditions and cycles will follow similar oscillations experienced in the past. Scenario 3 was run to test if the model is sensitive to randomization of historical climate. Stochastic parameters were used in GoldSim to randomly reselect which historical year to apply to a given model year during the simulation. The model results for Scenario 3 were only marginally different than Scenario 1, which verifies the model results are not sensitive to the timing of the Project phases relative to the timing of natural climate cycles.

Table 13: Summary of Simulation Results under Various Climate Scenarios

Climate Scenario	Parameter	Rainfall (mm/yr)	Snowfall (mm/yr)	Evaporation (mm/yr)	Fresh Water Intake (m^3/yr)	Treated Effluent Discharge (m^3/yr)	Treated Sewage Discharge (m^3/yr)
Application Case – historical (Scenario 1)	Mean	386	142	541	1,582,704	2,401,662	54,014
	St. Dev.	79	27	44	150,311	142,547	585
	Minimum	259	79	408	958,430	1,813,026	52,755
	Maximum	530	208	633	1,664,568	2,564,782	54,835
Application Case – deterministic (Scenario 2)	Mean	391	144	537	1,577,654	2,400,740	53,856
	St. Dev.	82	27	42	153,138	140,488	641
	Minimum	259	79	408	921,263	1,854,283	52,575
	Maximum	530	208	633	1,664,568	2,556,936	54,828
Application Case – stochastic (Scenario 3)	Mean	386	142	541	1,582,196	2,404,925	54,031
	St. Dev.	79	27	44	159,145	125,458	622
	Minimum	259	79	408	880,560	1,926,889	52,376
	Maximum	530	208	633	1,664,568	2,523,826	54,825
Wet cycle (Scenario 9)	Mean	458	133	527	1,533,558	2,429,265	52,854
	St. Dev.	76	32	63	155,431	121,166	1,079
	Minimum	329	87	478	904,637	1,930,431	51,575
	Maximum	523	170	633	1,664,641	2,510,500	54,771
Dry cycle (Scenario 10)	Mean	300	134	556	1,594,487	2,340,440	54,114
	St. Dev.	20	14	39	142,614	111,780	327
	Minimum	273	114	519	967,406	1,846,640	53,445
	Maximum	329	156	607	1,664,641	2,395,222	54,748
Climate change scenario (Scenario 5)	Mean	404	156	662	1,576,452	2,427,624	53,901
	St. Dev.	83	29	42	156,722	146,831	648
	Minimum	273	87	523	931,645	1,828,998	52,770
	Maximum	559	230	750	1,664,568	2,585,851	54,870

St. Dev. = standard deviation.

Prolonged Wet Cycle

Scenario 9 evaluated the sensitivity of the site water management system to a prolonged wet cycle. The meteorological time series for the four years between 1 January 1995 and 13 December 1998, observed to be the wettest four consecutive years in the 41-year historical precipitation time series, was looped over the model simulation for anticipated Project activities from 2025 to 2068. A duration of four years is associated with prolonged periods of wetness in the historical record and retaining four consecutive years allows the simulation to retain the autocorrelation present in the natural oscillation of climate. A summary of simulation results under the prolonged wet cycle is presented in Table 13. The average precipitation over the four-year wet cycle evaluated was 591 mm per year, which is roughly 12% higher than the annual mean over the full historical record. Over this period, increased precipitation was largely due to increased rainfall. During the prolonged wet cycles, fresh water intake (I01) is not projected to increase based on the simulated results, and the nominal discharge rate (Q02) is projected to increase marginally by less than 1% based on simulated results. Annual fresh water decreased by approximately 3% from the Application Case based on the wet cycle simulations. The small magnitude of change means that the system is relatively insensitive to wet cycle precipitation and runoff relative to the normal climate because other sources (fresh water intake and underground water) constitute the majority of inputs to the site water management system.

Prolonged Dry Cycle

Scenario 10 evaluated the sensitivity of the site water management system to a prolonged dry cycle. The meteorological time series for the four years between 1 January 1979 and 13 December 1983, observed to be the driest four consecutive years in the 41-year historical precipitation time series, was looped over the model simulation for anticipated Project activities from 2025 to 2068. A duration of four years is associated with prolonged periods of dryness in the historical record, and retaining four consecutive years allows the simulation to retain the autocorrelation present in the natural oscillation of climate. A summary of simulation results under the prolonged dry cycle is presented in Table 13. The average precipitation over the four-year dry cycle evaluated was 434 mm per year, which is roughly 18% lower than the annual mean in Scenario 1. During prolonged dry cycles, fresh water intake (I01) is projected to increase by less than 1%, and the nominal discharge rate is projected to decrease marginally by less than 1% relative to the Application Case. During Operations, seasonal decreases in discharge are highest in summer due to high pond evaporation rates relative to rainfall. The small magnitude of change means that the system is relatively insensitive to a dry cycle precipitation and runoff relative to the normal climate because other sources (fresh water intake and underground water) constitute the majority of inputs to the site water management system.

Projected Climate Change

Scenario 5 evaluated the anticipated effect of climate change. The anticipated effect of climate change was assessed by adjusting the current climate to reflect mean projected climate change for the 2050s based on the climate change assessment completed by Golder as part of EIS Section 22, Assessment of Effects of the Environment on the Project. The nature of the change to historical climate varies geographically and will be dynamic over time. Site-specific future climate projections were developed for the Project through analysis of available projections from a multi-model ensemble. The multi-model ensemble consists of available regional scale projections from several climate models representing different future climate scenarios (e.g., level of greenhouse gas emissions). The 2050s (i.e., the period of 2041 to 2070) represent an upper bound in terms of climate change during the Project period. Climate change projections were incorporated by considering the

projected monthly changes to temperature and precipitation. Temperature and precipitation are expected to increase under the mean climate change scenario, as well as potential atmospheric losses to lake evaporation and evapotranspiration. Sublimation is expected to decrease due to a shorter snow-covered period. A summary of simulation results under the mean climate change scenario is presented in Table 13 and shows a small decrease in intakes and small increase in discharges relative to the Application Case.

5.1.2.2 Sensitivity to Extreme Events

Summer Probable Maximum Precipitation

Scenario 6 evaluated the sensitivity of the site water management infrastructure to extreme summer rainfall events. The maximum magnitude of PMP for northern Saskatchewan is expected to occur in mid-July when temperatures are highest. The performance of the water management system in response to a summer PMP was simulated by applying a summer 24-hour PMP rainfall event of 489.2 mm on 15 July annually in the historical compiled climate data. Inserting the PMP event each 15 July in the 43-year record allows for 43 model iterations under a variety of antecedent conditions, influenced by precipitation in early July. The model scenario results confirm that the site water management infrastructure design is appropriate but that operational refinement for flood storage dewatering is warranted during later stages of Project planning. The simulations showed that containment ponds contained the summer PMP runoff. In general, the contingency pond and settling pond become stressed approximately one week after the PMP event in response to simulated increases in pumping from other ponds. In practice, this can be managed by increasing the pumping rate following the PMP event to regain flood storage. Further refinement of the contingency pond and settling pond operation would be explored as part of future design and project planning.

Spring Probable Maximum Precipitation

Scenario 7 evaluated the sensitivity of the site water management infrastructure to extreme spring runoff events. The site water management system is designed to contain mineralized contact water during a PMP event. The magnitude of the PMP varies seasonally in response to seasonal variation of the persistent atmospheric dew point temperature, which governs the amount of precipitable water that can be held in the atmosphere. In spring, persistent dew point temperature and PMP rainfall volumes are lower than in mid-summer. However, the presence of accumulated snowpack and the runoff generating mechanics of a rain-on-snow event mean that in some cases, a spring PMP may govern the inflow design flood for containment ponds. The performance of the system in response to a spring PMP was simulated by applying a spring PMP rainfall event annually in the historical compiled climate data. The historical climate time series was modified by replacing 15 April total precipitation and rainfall with a spring 24-hour PMP of 154.6 mm (Hopkinson 1999). Inserting the spring PMP event each 15 April in the 43-year record allows for 43 model iterations under a variety of antecedent conditions (i.e., conditions prior to the PMP event occurring) influenced by precipitation and snowmelt in early April. The model scenario results confirm the site water management infrastructure design is appropriate, and the containment ponds were projected to contain the spring PMP runoff, including snowmelt.

Climate Change Probable Maximum Precipitation

Scenario 8 evaluated the sensitivity of the site water management infrastructure to changes in extreme storm events that may result from climate change over the Project lifespan. The model was run using the projected mean climate change time series with a climate change 24-hour PMP rainfall of 547.9 mm occurring each year on 15 July. The current flood storage design basis for containment in ponds receiving contact water from mineralized or potentially mineralized surfaces (i.e., site runoff pond #1 (P/S00), PAG runoff collection area

(P/S07), process ponds (P/S05 and P/S06; SP05) is for a summer PMP of 489.2 mm. Under the climate change 24-hour PMP, most containment ponds are projected to maintain sufficient storage containment but may result in loss of freeboard under some antecedent conditions during the Operations phase. However, there was an increased probability of a PMP overflow from site runoff pond #1 (P/S00) during the Operations phase. Similar to Scenario 7 (i.e., summer PMP), the stress on the contingency pond (P/S05) would increase when regaining normal flood storage. Although it is probable that climate change will lead to warmer and wetter conditions, the rate, magnitude and timing of projections are highly uncertain.

5.1.2.3 Sensitivity to Upset Conditions

As described in Section 3.1, Model Objectives and Overview, the SWWBM is a decision-assist tool that supports development of the water management procedures under the Environmental Protection Program and informs the need for, and development of, contingency plans in the event of upset conditions or operational “what ifs” (see Section 3.7.2, Added Flexibility). Such scenarios help to avoid potential adverse consequences from upset conditions during Operations.

Scenario 15 was used to evaluate sensitivity of the site water management infrastructure to reasonably foreseeable upset conditions. The reasonably foreseeable upset conditions simulated pump failures throughout the site water management system during operations that could be repaired, replaced, or recommissioned in a reasonable period of time. For each year in the simulation, one pump was triggered to fail for the first seven days of July before restarting. Over the full simulation, 24 individual pumps were tested for a specific pump failure under similar conditions. The simulation assumed that redundant pumps were not in place. For Scenario 15, the climate data for the historical year 1993, an average year based on rainfall and snowfall, was repeated in a loop to control for climate variability while evaluating the response to upset conditions. Early July was selected for the timing of the pump failure as this time of year is a period when site water management pumps are usually active.

Based on the simulations, surface ponds and collection sumps/areas are projected to have sufficient capacity to avoid overflows in the event of a pump failure. However, a seven-day pump failure is projected to result in an overflow of the settling pond (P/S06; SP05), overflows in effluent treatment (between the effluent treatment plant (T01) and the treated effluent tank (P/S18)), insufficient inflows to the process plant (T04) to meet ore production demand, and overflows in the underground sumps (P/S20 and P/S21) and groundwater pooling.

5.2 Water Quality Model Results

The site water quality model results for the Application Case and sensitivity scenarios are described in the following subsections. Monthly average results for the three modelled discharge points (i.e., Q01, Q02, and Q05) are tabulated for the Application Case and each sensitivity scenario in Appendix G, Water Quality Results.

5.2.1 Application Case for Effects Assessment

5.2.1.1 Expected Conditions

Water quality during all Project phases was summarized at six water quality surveillance points within the model as follows:

- water in site runoff pond #2 (P/S09; SP04; Figure 5);

- release water discharged to the environment (i.e., final point of control) via the west surface runoff discharge (Q01);
- water entering the process plant (SP08);
- post-process plant water (SP06);
- water in the settling pond (SP05); and
- release water discharged to the environment (i.e., final point of control) via the treated effluent ponds (Q02).

The quality of release water being discharged to the environment via the treated sewage outfall (Q03) was assumed to be constant over time and as such was not assessed in the SWWBM, though it was considered in the regional surface water quality model and effects assessment (EIS Section 10). The predicted treated sewage effluent quality is tabulated in Appendix E.

Water quality at the final points of control (i.e., SP04 and Q02) throughout the three Project phases was assessed and compared to the proposed environmental release targets (Appendix H) to determine whether water could be discharged to the environment or needed to be recirculated to the ETP.

Throughout Operations, modelled cadmium, iron, mercury, phosphorus, uranium, and zinc concentrations in site runoff pond #2 (P/S09; SP04) exceed the proposed environmental release targets and as such water is continuously routed to the settling pond within the model for eventual treatment rather than being routed to the west surface runoff discharge point (Q01) for direct release. Operational daily minimum, average, and maximum concentrations of these constituents are summarized in Table 14. The primary loading source of these constituents to site runoff pond #2 (P/S09; SP04) is the NPAG WRSA.

Table 14: Projected Concentrations of Selected Constituents in Site Runoff Pond #2 throughout Operations

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Cadmium	0.000051	0.000092	0.000093	0.000096
Iron	0.30	1.1	1.1	1.1
Mercury	0.00019	0.00025	0.00026	0.00027
Phosphorus	0.010	0.11	0.11	0.12
Uranium	0.030	0.33	0.33	0.34
Zinc	0.037	0.054	0.055	0.057

Water in site runoff pond #2 (P/S09; SP04) would be routed to the settling pond (P/S06; SP05) for reuse and/or treatment throughout the three Project phases. As a result, the water being discharged to the environment via the west surface runoff discharge, which is downstream of, and not collected by, site runoff pond #2 (P/S09; SP04), would be primarily sourced from undisturbed areas and disturbed areas covered with construction (i.e., borrow) material located downstream of site runoff pond #2 (P/S09; SP04). All modelled constituents in the west surface runoff discharge are below the proposed environmental release targets, except for cadmium. The average cadmium concentration discharged to the environment from the west surface runoff discharge throughout operations is predicted to be 0.000054 mg/L, which is slightly above the proposed environmental

release target of 0.00051 mg/L. This predicted high cadmium concentration is a result of the source term input for borrow material used to construct the pads. However, the source term is based on one individual shake flask leachate test that was reported to be below a method detection limit (0.0001 mg/L); an input value of half of the detection limit was assumed for modelling purposes.

Water entering the ETP would be sourced from the settling pond, post-process plant, and fresh water intake from Patterson Lake. In general, modelled major ion and radionuclide (excluding radium-226) concentrations in the ETP feed do not exceed their respective proposed environmental release targets. Metal concentrations in the ETP feed are typically one to three orders of magnitude higher than their respective targets throughout Operations because of effects from process activities. After treatment, modelled metal concentrations are predicted to be at least an order of magnitude lower than their respective release targets, except for arsenic and uranium. The modelled average treated arsenic concentration during Operations is 0.037 mg/L, which is below the proposed environmental release target of 0.043 mg/L, and the average uranium concentration is 0.010 mg/L, which is below the proposed environmental release target of 0.030 mg/L. Concentrations of selected constituents before and after treatment are plotted in Figure 12.

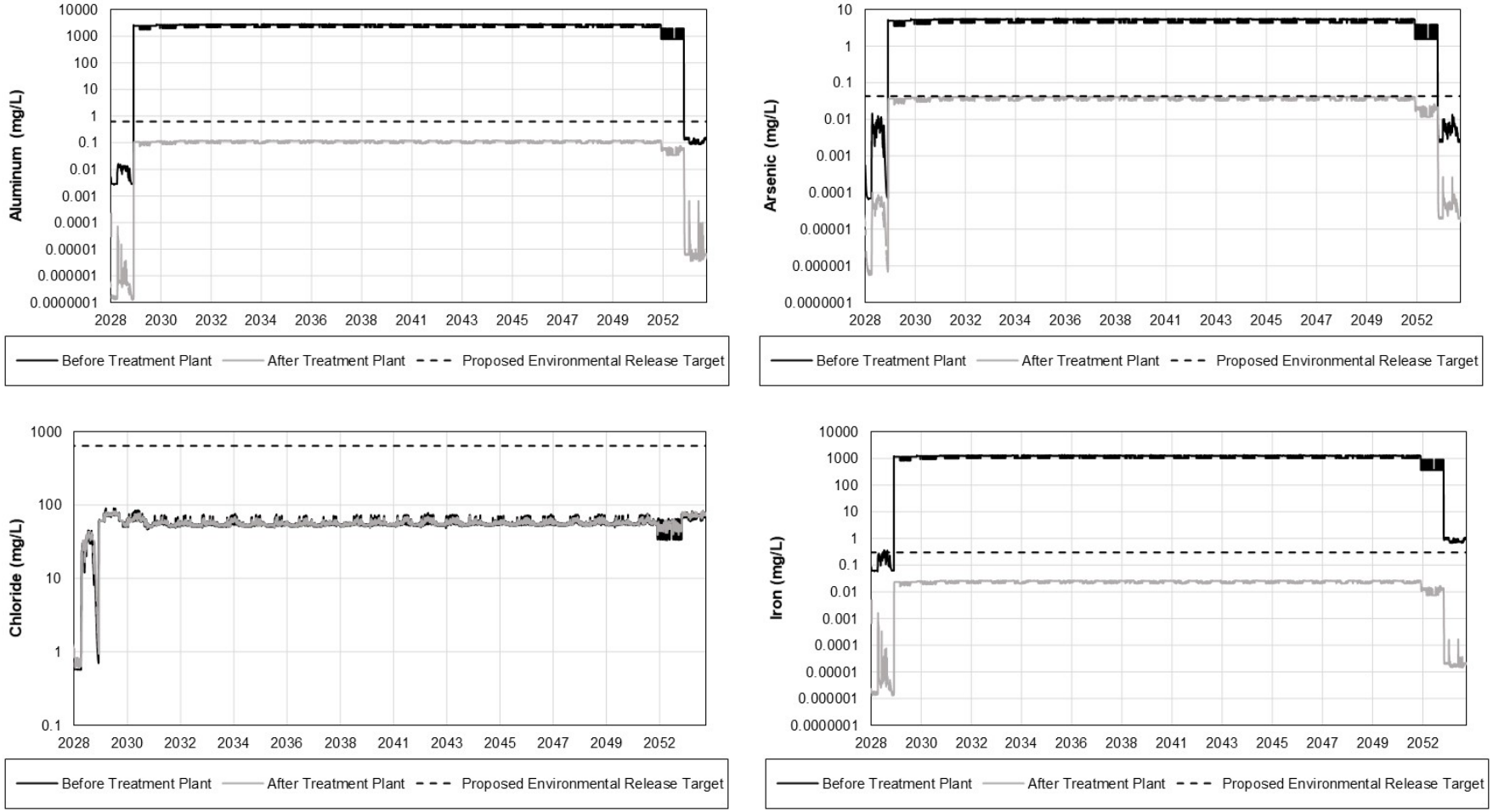
The primary contribution of predicted major ion, metal, and radionuclide loads to the ETP is variable. Metals would be primarily sourced from the process plant, followed by either the underground rock wall or the PAG WRSA. The main sources of each constituent are as follows:

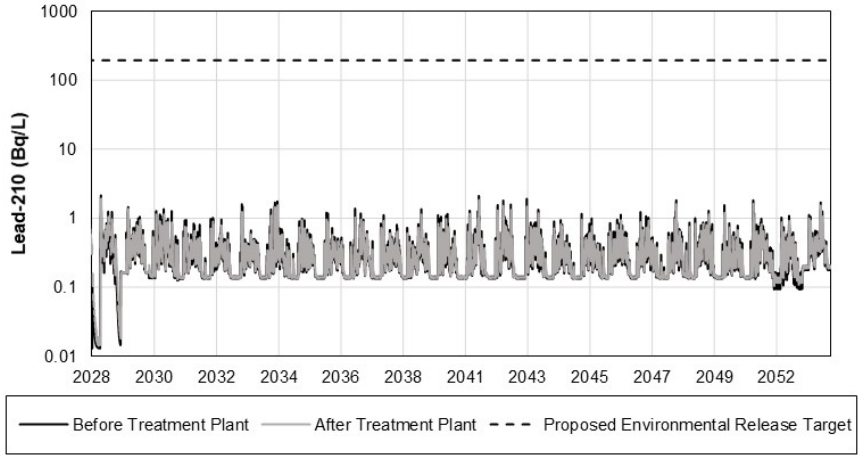
- **groundwater from shafts:** calcium, chloride, magnesium, and sodium;
- **process activities:** metals (excluding mercury), radium-226, and sulphate;
- **ore stockpile:** lead-210 and polonium-210;
- **underground rock wall:** thorium-230; and
- **WRSAs (PAG and NPAG):** mercury.

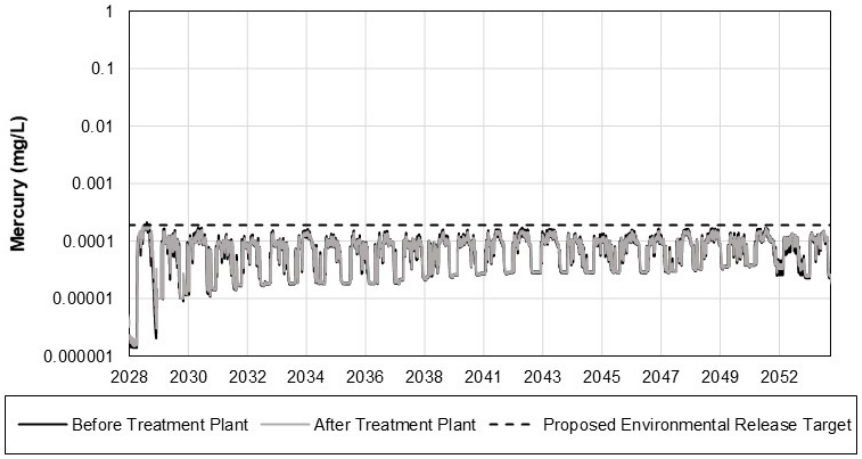
In general, modelled water quality in the treated effluent ponds is below the proposed environmental release targets throughout the three Project phases and the water can be discharged to the environment. For short periods of time (i.e., weeks) during the Construction phase, total ammonia and mercury concentrations are predicted to exceed the proposed environment release targets (i.e., 15.5 mg/L as N and 0.00019 mg/L, respectively) in treated effluent pond #1. Ammonia exceedances are noted in January, March, and April 2028, and the maximum predicted concentration is 19.5 mg/L as nitrogen. Mercury exceedances are noted in May, August, and September 2028, and the maximum predicted concentration is 0.00030 mg/L.

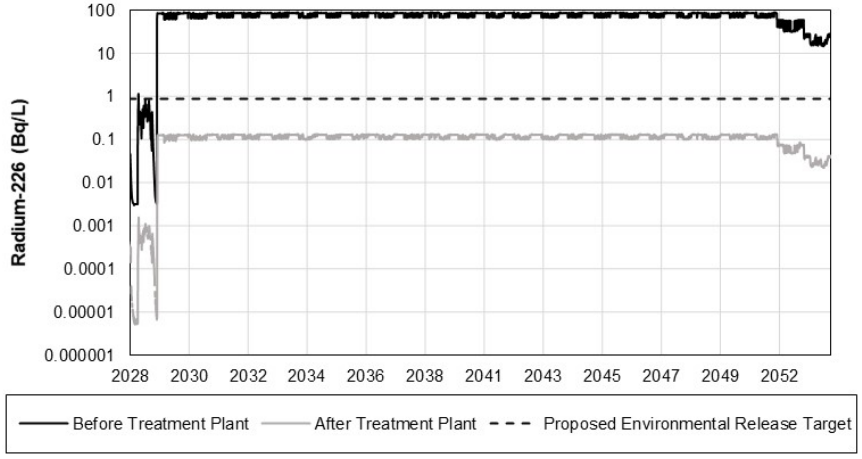
It should be noted that the average sulphate concentration being discharged to the environment during Operations is 2,900 mg/L, which is above the proposed environmental release target of 1,116 mg/L and is based on preliminary ETP models (Lieu 2021). The proposed environmental release target is hardness dependent and was developed using the baseline hardness concentration in Patterson Lake; however, it is expected that hardness would increase in Patterson Lake during Operations due to the treated effluent discharge and that the sulphate threshold would increase in the receiving environment.

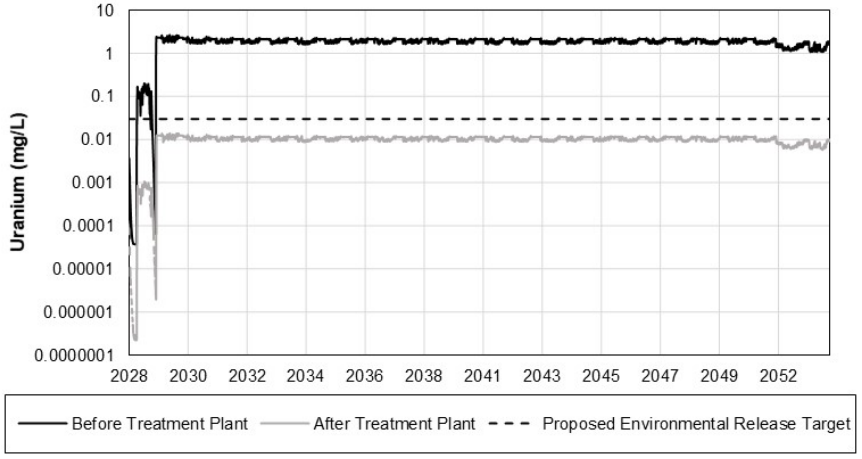
Figure 12: Concentrations of Selected Constituents before and after Treatment











Bq/L = becquerels per litre.

5.2.1.2 Expected Far-Future Scenario Conditions

Water quality was assessed at the following two discharge nodes in far-future scenario conditions:

- water discharged to the environment via the west surface runoff discharge (Q01); and
- water discharged to the environment via the east surface runoff discharge (Q05).

Water discharged via the west surface runoff (Q01) comprises runoff from the covered NPAG WRSA and other reclaimed and revegetated surfaces, and water discharged via the east fresh water diversion (Q05) is composed of runoff from the covered PAG WRSA and undisturbed areas.

The quality of water discharged to Patterson Lake in the far-future scenario is not predicted to exceed the proposed environmental release targets. The quality of runoff from the covered NPAG WRSA is assumed to be consistent with the construction (i.e., borrow) material quality and is tabulated in Appendix E. The main contribution of load to the east fresh water diversion is runoff from the covered PAG WRSA. This runoff quality is also assumed to be consistent with borrow material quality and tabulated in Appendix E.

5.2.2 Sensitivity Scenarios

5.2.2.1 Sensitivity to Climate Change

A sensitivity case was run for all the Project phases and the far-future scenario to assess how the Project site discharge concentrations are affected by climate change (Scenario 5). The water quality inputs for this sensitivity assessment are the same inputs as used in the Application Case for effects assessment; only the flow rates vary.

Overall, the effects from climate change on water quality are predicted to be minor and do not result in any additional exceedances of the proposed environmental release targets from the Application Case. The effects from climate change were most notable in the west surface runoff discharge (Q01), which receives a large proportion of natural flows. Maximum monthly average predicted concentrations throughout the three Project phases were approximately 1.5 times higher than the Application Case and monthly average predicted concentrations were approximately 1.2 times higher. Predicted treated effluent concentrations were similar to the Application Case predictions, likely because the primary source of mass to the ETP is from the process plant, which is largely unaffected by climate change.

5.2.2.2 Sensitivity to Source Term Variability

A sensitivity case was run for all Project phases and the far-future scenario to assess how the Project site discharge concentrations change when upper bound source terms are used as input data (Scenario 11 and Scenario 12).

Similar to the Application Case scenario, cadmium, iron, mercury, phosphorus, uranium, and zinc are predicted to exceed the proposed environmental release targets in site runoff pond #2 (P/S09; SP04); thus, water from this pond is routed to the settling pond for eventual treatment. Predicted average concentrations of cadmium, iron, mercury, phosphorus, uranium, and zinc in site runoff pond #2 (P/S09; SP04) during Operations are summarized in Table 15. No exceedances of any other constituents are noted in site runoff pond #2 (P/S09; SP04) as a result of the upper-bound source term inputs.

Table 15: Projected Upper Bound Sensitivity Scenario Concentrations of Selected Constituents in Site Runoff Pond #2 throughout Operations

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Cadmium	0.000051	0.00013	0.00013	0.00014
Iron	0.30	1.7	1.7	1.7
Mercury	0.00019	0.00038	0.00038	0.00040
Phosphorus	0.010	0.27	0.27	0.28
Uranium	0.030	0.33	0.33	0.34
Zinc	0.037	0.082	0.083	0.085

Since water in site runoff pond #2 (P/S09; SP04) would be routed to the settling pond (P/S06; SP05) throughout the three Project phases, the water being discharged to the environment via the west surface runoff would primarily be sourced from undisturbed areas and disturbed areas covered with construction (i.e., borrow) material. As noted in Table 10, the input for construction material was developed from shake flask leachate of one sample (i.e., P11 borrow material). The input data for this source are the same for the Application Case and upper bound sensitivity scenario due to the limited dataset; therefore, the quality of water being discharged via the west surface runoff is similar to the quality in the Application Case scenario.

Within the treated effluent ponds (P/S01 to P/S04; SP02), a number of constituents exhibit concentrations greater than the proposed environmental release targets due to upper-case source term inputs. As with the Application Case source term inputs, the average sulphate concentration in the treated effluent ponds is 2,900 mg/L. Additional constituents with exceedances include chloride, mercury, phosphorus, and uranium. Average concentrations of these constituents during Operations are summarized in Table 16.

The main contribution of upper-case chloride loads to the treated effluent ponds (P/S01 to P/S04; SP02) would be from natural groundwater that is collected and pumped to the settling pond (P/S06; SP05). The main contribution of mercury would be from the PAG WRSA and phosphorus is sourced from the WRSAs. The main contribution of uranium in the upper-case source terms would be from the ore storage stockpile.

These predictions were carried forward to the surface water quality assessment (EIS Section 10), Environmental Risk Assessment (TSD XXI).

Table 16: Projected Upper Bound Sensitivity Scenario Concentrations of Selected Constituents in Treated Effluent Ponds throughout Operations

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Chloride	640	2.0	1,682	2,892
Mercury	0.00019	0.0000088	0.00012	0.00026
Phosphorus	0.010	0.058	0.11	0.20
Uranium	0.030	0.000028	0.0023	0.16

As described in Section 5.2.1.2, Expected Far-Future Scenario Conditions, all site discharges in the far-future scenario are a combination of undisturbed runoff and runoff from disturbed areas, including the covered NPAG and PAG WRSAs. The WRSAs closure cover systems (i.e., material used to permanently enclose waste rock piles during closure) and reclaimed areas are assumed to consist of the construction (i.e., borrow) source material, which does not have different inputs for the upper bound source terms. As such, the post-closure discharge quality in the upper-case source term scenario is equal to the quality described in Section 5.2.1.2, Expected Far-Future Scenario Conditions. The water quality does not exceed any of the proposed environmental release targets.

5.2.2.3 Sensitivity to Treatment Efficiency and Source Term Variability

Two sensitivity cases were run to assess how concentrations in the treated effluent ponds change when the ETP (T01) is not operating at its maximum efficiency (Scenario 12 and Scenario 13). As noted in Section 4.5.2, Source Term Assumptions, the lower ETP efficiency used in these scenarios was assumed to be 99% of the maximum treatment efficiency.

The Application Case source term inputs combined with low treatment plant removal efficiency results in a number of constituents with concentrations consistently greater than the proposed environmental release targets in the treated effluent ponds. These constituents include aluminum, arsenic, cadmium, chromium, cobalt, copper, iron, lead, radium-226, and vanadium. The daily minimum, average, and maximum concentrations of these constituents in the treated effluent ponds over Operations are presented in Table 17. The primary load contribution of these constituents is from process activities.

Table 17: Projected Concentrations of Selected Constituents in Treated Effluent Ponds with Low Treatment Plant Removal Efficiency

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Aluminum	0.62	3.8	23	27
Arsenic	0.043	0.013	0.078	0.095
Cadmium	0.000051	0.000016	0.000096	0.00011
Chromium	0.0045	0.0050	0.029	0.035
Cobalt	0.034	0.0055	0.033	0.039
Copper	0.016	0.061	0.36	0.44
Iron	0.30	1.8	10	13
Lead	0.008	0.0082	0.048	0.058
Radium-226[(a)]	0.88	0.11	0.81	0.95
Vanadium	0.052	0.035	0.20	0.25

a) Units in becquerels per litre.

Upper-case source term inputs combined with low treatment plant removal efficiency result in a larger number of constituents with concentrations greater than the proposed environmental release targets in the treated effluent ponds. Constituents in addition to the ones identified using Application Case source terms include chloride, mercury, molybdenum, and uranium. Daily minimum, average, and maximum concentrations of these constituents in the treated effluent ponds over Operations are presented in Table 18.

Table 18: Projected Upper-Case Concentrations of Selected Constituents in Treated Effluent Ponds with Low Treatment Plant Removal Efficiency

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Aluminum	0.62	4.2	23	27
Arsenic	0.043	0.015	0.078	0.095
Cadmium	0.000051	0.000017	0.00010	0.00016
Chloride	640	2.2	1,682	2,891
Chromium	0.0045	0.0054	0.029	0.035
Cobalt	0.034	0.0060	0.033	0.039
Copper	0.016	0.067	0.36	0.44
Iron	0.30	2.0	11	13
Lead	0.008	0.0089	0.048	0.058
Mercury	0.00019	0.0000097	0.00012	0.00027
Molybdenum	0.64	0.0064	0.16	1.4
Radium-226[(a)]	0.88	0.12	0.82	0.96
Uranium	0.030	0.0023	0.64	0.46
Vanadium	0.052	0.038	0.20	0.25

a) Units in becquerels per litre.

The predicted results in Tables 17 and 18 suggest that the assumed removal efficiency of the ETP (T01) is slightly above the minimum requirements to meet the proposed environmental release targets and that there is limited contingency available. These results are provided to assist future evaluation and refinement of the ETP (T01) design as part of the Environmental Code of Practice.

5.2.2.4 Sensitivity to Design Alternatives

A sensitivity case was run for all Project phases to assess how concentrations in final points of control (i.e., site runoff pond #2 (P/S09; SP04) and treated effluent ponds (P/S01 to P/S04; SP02)) change when an alternate WRSAs option is carried forward for the Project (Scenario 14). For context, the Application Case considers a segregated unlined NPAG WRSA and a lined PAG WRSA with alternating lifts of engineered source control. Scenario 14 considers a WRSAs option involving incremental hauling and placing of waste rock in lifts in a single, unsegregated and unlined facility with alternating lifts of engineered source control material.

Similar to the Application Case (Section 5.2.1.1, Expected Conditions), cadmium, iron, mercury, phosphorus, uranium, and zinc concentrations in site runoff pond #2 (P/S09; SP04) exceed proposed environmental release targets under Scenario 14. Additional constituents that exceed the proposed targets include chromium, cobalt, copper, manganese, and selenium. The daily minimum, average, and maximum concentrations of these constituents in site runoff pond #2 (P/S09; SP04) over Operations are summarized in Table 19.

Concentrations of constituents in the treated effluent ponds are below proposed environmental release targets, which is consistent with results from the Application Case.

Table 19: Projected Concentrations of Selected Constituents in Site Runoff Pond #2 with Alternative Waste Rock Storage Area Source Term

Constituent	Proposed Environment Release Target (mg/L)	Projected Concentrations throughout Operations (mg/L)		
		Minimum	Average	Maximum
Cadmium	0.000051	0.00082	0.00082	0.00085
Chromium	0.0045	0.0058	0.0059	0.0061
Cobalt	0.034	0.41	0.41	0.43
Copper	0.016	0.86	0.87	0.90
Iron	0.30	5.1	5.2	5.4
Manganese	0.21	0.25	0.25	0.26
Mercury	0.00019	0.00044	0.00045	0.00046
Phosphorus	0.01	0.11	0.11	0.12
Selenium	0.0080	0.013	0.013	0.013
Uranium	0.030	0.33	0.33	0.34
Zinc	0.037	0.18	0.18	0.19

6 MODEL LIMITATIONS AND AREAS OF UNCERTAINTY

There is uncertainty in any modelling exercise. The sources of uncertainty for the SWWBM are listed in Table 20 alongside the mitigations adopted to manage uncertainty in the current exercise. In future modelling exercises using the SWWBM, these sources of uncertainty would be considered for further refinement as more information becomes available.

Table 20: Summary of Uncertainties and Mitigation Measures

Uncertainty	Description	How Uncertainty was Mitigated
Climate data	Site climate data have been monitored for a limited period, and a climate database compiled from publicly available sources is necessary to achieve the objectives of the study. The climate database selected as input data to the SWWBM is fit-for-purpose data; however, uncertainty may result from biases in monitoring methods and location of monitoring.	Fit-for-purpose data were used. Site data were used where possible. Publicly available sources were checked against other data collected in the region. Sensitivity to multiple climate and weather events was tested.
Model Linkages	Uncertainty can result from the exchange of data between models where output from one model is used as input to another.	A similar time step and temporal domain were used for SWWBM, regional hydrology modelling, and regional surface water quality modelling where possible. Model teams communicated regularly to discuss assumptions and data needs to facilitate consistency where possible. Detailed internal reviews were completed and model performance was verified.
Future climate	The far-future scenario is conceptualized as a long-term equilibrium state with a time horizon exceeding current abilities to forecast climate and observed historical climate is assumed.	Climate change scenario was applied, and timing of application was conservative. Climate change scenarios were incorporated to manage uncertainty related to future changes in climate.

Table 20: Summary of Uncertainties and Mitigation Measures

Uncertainty	Description	How Uncertainty was Mitigated
Calibration data	At the current phase of model and Project development, monitoring data are available for calibration or validation of the SWWBM. As a result, it is not possible to calibrate or validate predictive results of the model.	SWWBM performance was verified qualitatively. In future, model can be validated in early operations.
Model constraints	Some natural phenomena being simulated are the result of highly complex and interconnected processes that are currently not fully understood. Any model of these phenomena is a simplification of this complexity.	Sensitivity scenarios were used to contextualize uncertainty due to simplification of natural phenomena. Conservative runoff coefficients were used..
Project understanding	The current understanding of the Project (e.g., existing conditions, development plans) is expected to be of sufficient detail to support the environmental assessment for the Project; however, the level of Project understanding used in the progressive development of the SWWBM will need to be continually tested and validated as the Project advances.	Sensitivity scenarios were used to manage uncertainty related to process efficiency, water quality assumptions, and operational uncertainties that may affect the SWWBM for the different phases of the Project. The model is intended to be updated to reflect the Water Management Plan throughout Operations. There was close interaction with the NexGen and FS Engineering team to maintain project understanding.
Geochemical source terms	There is some inherent uncertainty with respect to conceptualization of geochemical reactions in site conditions.	Sensitivity scenarios with variable efficiency rates were used to contextualize uncertainty due to geochemical source terms. “Upper-case” source terms provide a boundary.
Treatment efficiencies	There is some inherent uncertainty with respect to removal efficiency of treatment processes.	Sensitivity scenarios with variable rates of efficiency were used to contextualize uncertainty due to treatment plant operations. Treatment efficiencies were compared to published data from other uranium mines to reduce uncertainty.
Groundwater inflow rates	Groundwater inflow rates developed for PFS engineering and carried to FS engineering were adopted. Inflows from groundwater make up 23% of inflows with limited losses moving through the system to the ETP. The water balance is expected to be sensitive to variations in the rate of groundwater inflow.	Groundwater inflow was assumed to be a constant rate representative of full development of the underground workings toward the end of the Project lifespan and not graduated based on mine underground development.

SWWBM = site-wide water balance and water quality model; PFS = prefeasibility study; FS = feasibility study; ETP = effluent treatment plant.

7 KEY FINDINGS

An integrated SWWBM was developed as a decision-assist tool to support development of the water management procedures under the Environmental Protection Program, evaluate engineering design decisions, and support assessment of the effects of Project activities on the receiving environment. Key findings related to the present model execution and EA are as follows:

- The Project would result in a net discharge of water to Patterson Lake during Operations. The net discharge would vary according to Project activities, seasonality, and in response to longer-term climate cycles.
- Treated effluent discharge to Patterson Lake is expected to be highest during Operations, when Project activities would peak. Treated effluent discharge during Operations is predicted to average 6,575 m^3/d and range from a minimum of 634 m^3/d to a maximum of 15,581 m^3/d.
- Treated sewage discharge to Patterson Lake is expected to be highest at the beginning of Operations when there is overlap between Construction and Operations activities and when camp populations will be highest. Treated sewage discharge during Operations would average 148 m^3/d and range from a minimum of 0 m^3/d to a maximum of 165 m^3/d.
- Fresh water intake from Patterson Lake is expected to be highest during Operations, when Project activities would peak, and is predicted to average 4,333 m^3/d and range from a minimum of 1,522 m^3/d to a maximum of 4,548 m^3/d.
- The Project water balance is relatively insensitive to changes in climate. The timing of the Project in climate cycles, randomized climate variability, prolonged wet cycles, prolonged dry cycles, and mean projections of climate change that will be contemporary with the Project result in small changes only to the water balance.
- The Project water management system is designed to contain a summer PMP for the Project site. Under a conservative climate change scenario derived for the Project lifespan, the magnitude of the PMP is projected to increase by 15%. Performance of containment ponds that capture runoff from pads (i.e., site runoff pond #1 (P/S00)) may be stressed during a climate change PMP, resulting in the loss of freeboard, but generally does not result in a loss of containment.
- Reasonably foreseeable upset conditions such as pump failure may stress the operation of the system leading to accumulation of water above maximum operating conditions, loss of flood storage and/or freeboard, or in some instances loss of containment. Mitigation for pump failure is recommended based on the evaluation. Depending on the pump and pipeline configuration, mitigations for pump failure may include alarm systems, pump redundancy, and/or adoption of mobile contingency pumps.
- Non-mineralized contact water generated by runoff from non-mineralized surfaces would be collected, contained in site runoff pond #2 (P/S09; SP04), tested, and if environmental release targets are exceeded, conveyed to the settling pond for reuse or treatment. Throughout Operations, cadmium, iron, mercury, phosphorus, uranium, and zinc concentrations in site runoff pond #2 (P/S09; SP04) water are predicted to exceed the proposed environmental release targets; therefore, until the waters are generated and can be tested, the water is assumed to be routed to the settling pond for treatment or reuse rather than being routed to the west surface runoff discharge point (Q01) for release.

- In general, water quality in the treated effluent ponds is below the proposed environmental release targets throughout the Application Case. For short periods of time (i.e., weeks) during Construction, total ammonia and mercury concentrations are predicted to exceed the proposed environment release targets in treated effluent pond #1. Total ammonia loadings are a function of explosives use and are predicted to exceed the proposed environmental release targets during construction as there is less water managed on site during that time, which drives concentrations higher. Mercury loads would primarily be sourced from the WRSAs.
- Site discharge in the far-future scenario, which consists of runoff over reclaimed stockpiles and undisturbed areas, is predicted not to exceed the proposed environmental release targets.
- By running sensitivity scenarios related to water quality, namely sensitivities surrounding source terms and ETP efficiency, additional constituents were identified that may exceed the proposed environmental release targets during the Project phases, particularly if the upper bound source term inputs are realized and treatment efficiency is low. These constituents are aluminum, arsenic, cadmium, chromium, cobalt, copper, chloride, iron, lead, mercury, molybdenum, phosphorus, uranium, vanadium, and radium-226.
- A 1% reduction in the assumed ETP removal efficiency is predicted to result in exceedances of the proposed environmental release targets, suggesting that the assumed removal efficiency of the ETP is just above the minimum requirements to meet the proposed environmental release targets and that there is limited contingency available. However, as the proposed environmental release targets are conservative, exceedances of the proposed environmental release targets may not result in exceedances of water quality thresholds in Patterson Lake.

  These findings represent reasonably conservative estimates and predictions of water quantity and quality at surveillance points throughout the site and at the final point of control. These predictions form the basis for effects assessment and inform the Water Management Plan, which would be iteratively updated with site data to reduce uncertainties as operations proceed.

CLOSING

Golder is pleased to submit this report to NexGen in support of the environmental assessment for the Rook I Project. For details on the limitations and use of information presented in this report, please refer to the Study Limitations section following this page. If you have any questions or require additional details related to this study, please contact the undersigned.

Golder Associates Ltd.

Prepared by:



Nathan Hoeve, B.Sc.
Water Resources Specialist



Sarah Rudderham, M.Sc.
Environmental Specialist



Kristina Skeries, M.Sc.
Environmental Specialist



Ross Phillips, M.Sc., P.Eng.
Senior Water Resources Engineer

Reviewed By:



Gerard van Arkel, M.Sc.
Associate, Senior Water Resources Specialist



Dan Walker, Ph.D.
Principal, Senior Water Resources Specialist

RP/DL/JB/rd/jlb/al



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APPENDIX A

Glossary

Term	Definition
Added flexibility	Flexibility applied only to selected models, modules, and/or facilities.
Base flexibility	Flexibility applied to all models, modules, and/or facilities.
Bermed runoff collection area	Bermed areas designed for the collection of non-contaminated runoff and temporary storage so that suspended solids can settle out before the water is released to the receiving environment.
Driver	Rationale for application of flexibility within the site-wide water balance and water quality model (SWWBM).
Effluent treatment plant	Facility consisting of a series of processes for treating contaminated water from the north Area. Additional treatment processes being considered as “options” are included in the model as discrete facilities rather than being included in this facility.
Environmental release targets	Preliminary targets for release water concentration that consider applicable water quality thresholds and conditions in the receiving environment including hydrology and water quality.
Facility	Specific Project feature or natural feature (e.g., PAG stockpile, site runoff pond, effluent treatment plant, Patterson Lake).
Feature	Generic Project infrastructure or natural feature potentially affected/affecting the Project (e.g., ponds, catchments).
Framework	Provides guiding objective and approach for development of the SWWBM.
Geographical extent	Geographical limit of the SWWBM.
Model	Computational platform within the SWWBM to provide specific results.
Post-Closure	Includes the Transitional Monitoring Stage and the far-future scenario.
Schedule	Life of mine temporal extent, through Construction, Operations, Closure phasesand post-closure.
Stakeholder	Person or entity, including rights holders, with a direct or indirect interest in the Project and project influence.
Sub-element	Component of the feature or facility separated to facilitate development of modules/models.
SWWBM	Instrument including one or more models, to support meeting framework objective.

APPENDIX B

Flow ID Description

Table B-1: Table of Contents

Table Number	Table Title
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Table B-2	Element Active Periods
Table B-3	ElementID - Runoff Source
Table B-4	ElementID - Groundwater Source
Table B-5	ElementID - Intake Source
Table B-6	ElementID - Pond/Storage
Table B-7	ElementID - Treatment
Table B-8	ElementID - Consumption
Table B-9	ElementID - Assessment Nodes
Table B-10	ElementID - Discharge
Table B-11	ElementID - Pumping Flows
Table B-12	ElementID - Diversion Ditch Flows
Table B-13	ElementID - Gravity Transfer Flows

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Table B-2: Element Active Periods

Element	ID	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
		Construction				Operation																	
		Yr-4	Yr-3	Yr-2	Yr-1	Yr1	Yr2	Yr3	Yr4	Yr5	Yr6	Yr7	Yr8	Yr9	Yr10	Yr11	Yr12	Yr13	Yr14	Yr15	Yr16	Yr17	Yr18
Site Runoff Pond #1	P/S00	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Pond #1	P/S01	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Pond #2	P/S02	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Pond #3	P/S03	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Pond #4	P/S04	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Contingency Pond	P/S05	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Settling Pond	P/S06	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PAG Runoff Collection Area	P/S07	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Bermed Runoff Collection Area	P/S08	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Site Runoff Pond #2	P/S09		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Special Waste Collection Sump	P/S10		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Ore Stockpile Collection Sump	P/S11	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fuel Farm Sump / Pond	P/S12		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Batch Plant Sand and Aggregate Sump / Pond	P/S13	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Sewage Treatment Lagoon #1 (west)	P/S14	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Sewage Treatment Lagoon #2 (east)	P/S15				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Airport Fueling Pad Sump / Pond	P/S16		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Water / Oil Separator	P/S17		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Tank	P/S18		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Effluent Treatment Plant Sump	P/S19	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Underground Main Sump	P/S20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Underground Below Sump	P/S21				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Patterson Lake	P/S22	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Construction / Permanent Camp	R28	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Bermed Runoff Collection Area local catchment	R30	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R31	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Explosives Magazine Storage	R52	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Domestic and Industrial Waste Management Area	R20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	R24	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Batch Plant Sand and Aggregate Storage Area	R21	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Waste Rock (NAG) Stockpile	R22				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lined portion of Fuel Farm	R27	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Modular construction facility located north of the Fuel Farm and south of Mill Island	R26	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Construction Laydown Area	R25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fresh Air Intake / Fan	R09		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mine Island - West (Crusher, Hoist, Compression, Office / Dry and Diesel Fuel)	R04		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mine Island - East (Laydown area, exhaust area, fire water tank / pumphouse)	R08		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	R06		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	R07		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Haul Road Lined	R05		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Local Area South of the Surface Runoff Pond #1	R10		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Local Area South of the Surface Runoff Pond #1	R11		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mill Island - North	R01		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mill Island - South West	R02		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mill Island - South East	R03		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Special Waste Stockpile	R41		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Ore Stockpile	R40		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Potentially Acid Generating (PAG) stockpile - West Slope	R43				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Potentially Acid Generating (PAG) stockpile - North Slope	R44				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Potentially Acid Generating (PAG) stockpile - North East Slope	R45				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Area 2	R42				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R60				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R61				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Contained Airport Runoff	R50		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown)	R23	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment south of the Domestic/Industrial Waste Management Area	R72																						
Undisturbed catchment south of the West Bermed Runoff Containment Area	R73																						
Undisturbed catchment south of the NAG Waste Rock Stockpile	R70	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment south of the NAG Waste Rock Stockpile	R71	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Non-contained Airport Runoff	R51		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	R80	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Effluent Treatment Plant	T01	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mine and Runoff Water Pre-Treatment	T02																						
Enhanced Effluent Post Treatment	T03																						
Process Plant	T04					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Underground Tailings Management Facility	T05					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fresh Water Intake	I01	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Surface Runoff Discharge	Q01	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Discharge	Q02	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Sewage Discharge	Q03	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Groundwater Discharge	Q04					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
East Surface Water Discharge	Q05				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
South Perimeter Diversion Discharge	Q06				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Perimeter Diversion Discharge	Q07	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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Table B-2: Element Active Periods

Element	ID	2047 Yr19	2048 Yr20	2049 Yr21	2050 Yr22	2051 Yr23	2052 Yr24
Site Runoff Pond #1	P/S00						
Treated Effluent Pond #1	P/S01						
Treated Effluent Pond #2	P/S02						
Treated Effluent Pond #3	P/S03						
Treated Effluent Pond #4	P/S04						
Contingency Pond	P/S05						
Settling Pond	P/S06						
PAG Runoff Collection Area	P/S07						
West Bermed Runoff Collection Area	P/S08						
Site Runoff Pond #2	P/S09						
Special Waste Collection Sump	P/S10						
Ore Stockpile Collection Sump	P/S11						
Fuel Farm Sump / Pond	P/S12						
Batch Plant Sand and Aggregate Sump / Pond	P/S13						
Sewage Treatment Lagoon #1 (west)	P/S14						
Sewage Treatment Lagoon #2 (east)	P/S15						
Airport Fueling Pad Sump / Pond	P/S16						
Water / Oil Separator	P/S17						
Treated Effluent Tank	P/S18						
Effluent Treatment Plant Sump	P/S19						
Underground Main Sump	P/S20						
Underground Below Sump	P/S21						
Patterson Lake	P/S22						
Construction / Permanent Camp	R28						
West Bermed Runoff Collection Area local catchment	R30						
Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R31						
Explosives Magazine Storage	R52						
Domestic and Industrial Waste Management Area	R20						
Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	R24						
Batch Plant Sand and Aggregate Storage Area	R21						
Waste Rock (NAG) Stockpile	R22						
Lined portion of Fuel Farm	R27						
Modular construction facility located north of the Fuel Farm and south of Mill Island	R26						
Construction Laydown Area	R25						
Fresh Air Intake / Fan	R09						
Mine Island - West (Crusher, Hoist, Compression, Office / Dry and Diesel Fuel)	R04						
Mine Island - East (Laydown area, exhaust area, fire water tank / pumphouse)	R08						
Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	R06						
Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	R07						
Haul Road Lined	R05						
Local Area South of the Surface Runoff Pond #1	R10						
Local Area South of the Surface Runoff Pond #1	R11						
Mill Island - North	R01						
Mill Island - South West	R02						
Mill Island - South East	R03						
Special Waste Stockpile	R41						
Ore Stockpile	R40						
Potentially Acid Generating (PAG) stockpile - West Slope	R43						
Potentially Acid Generating (PAG) stockpile - North Slope	R44						
Potentially Acid Generating (PAG) stockpile - North East Slope	R45						
Area 2	R42						
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R60						
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R61						
Contained Airport Runoff	R50						
Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown)	R23						
Undisturbed catchment south of the Domestic/Industrial Waste Management Area	R72						
Undisturbed catchment south of the West Bermed Runoff Containment Area	R73						
Undisturbed catchment south of the NAG Waste Rock Stockpile	R70						
Undisturbed catchment south of the NAG Waste Rock Stockpile	R71						
Non-contained Airport Runoff	R51						
Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	R80						
Effluent Treatment Plant	T01						
Mine and Runoff Water Pre-Treatment	T02						
Enhanced Effluent Post Treatment	T03						
Process Plant	T04						
Underground Tailings Management Facility	T05						
Fresh Water Intake	I01						
West Surface Runoff Discharge	Q01						
Treated Effluent Discharge	Q02						
Treated Sewage Discharge	Q03						
Groundwater Discharge	Q04						
East Surface Water Discharge	Q05						
South Perimeter Diversion Discharge	Q06						
West Perimeter Diversion Discharge	Q07						

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Table B-2: Element Active Periods

Element	ID	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
		Decommissioning					Closure									
		Yr25	Yr26	Yr27	Yr28	Yr29	Yr30	Yr31	Yr32	Yr33	Yr34	Yr35	Yr36	Yr37	Yr38	Yr39
Site Runoff Pond #1	P/S00	■	■	■	■	■										
Treated Effluent Pond #1	P/S01	■	■	■	■	■										
Treated Effluent Pond #2	P/S02	■	■	■	■	■										
Treated Effluent Pond #3	P/S03	■	■	■	■	■										
Treated Effluent Pond #4	P/S04	■	■	■	■	■										
Contingency Pond	P/S05	■	■	■	■	■										
Settling Pond	P/S06	■	■	■	■	■										
PAG Runoff Collection Area	P/S07	■	■	■	■	■										
West Bermed Runoff Collection Area	P/S08	■	■	■	■	■										
Site Runoff Pond #2	P/S09	■	■													
Special Waste Collection Sump	P/S10	■	■													
Ore Stockpile Collection Sump	P/S11	■	■	■	■	■										
Fuel Farm Sump / Pond	P/S12	■	■	■	■	■										
Batch Plant Sand and Aggregate Sump / Pond	P/S13	■	■	■	■											
Sewage Treatment Lagoon #1 (west)	P/S14	■	■	■	■											
Sewage Treatment Lagoon #2 (east)	P/S15	■	■	■	■											
Airport Fueling Pad Sump / Pond	P/S16	■	■	■												
Water / Oil Separator	P/S17	■	■	■	■	■										
Treated Effluent Tank	P/S18	■	■	■	■	■										
Effluent Treatment Plant Sump	P/S19	■	■	■	■	■										
Underground Main Sump	P/S20	■	■	■	■	■										
Underground Below Sump	P/S21	■	■	■	■	■										
Patterson Lake	P/S22	■	■	■	■	■										
Construction / Permanent Camp	R28	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Bermed Runoff Collection Area local catchment	R30	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R31	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Explosives Magazine Storage	R52	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Domestic and Industrial Waste Management Area	R20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	R24	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Batch Plant Sand and Aggregate Storage Area	R21	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Waste Rock (NAG) Stockpile	R22	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lined portion of Fuel Farm	R27	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Modular construction facility located north of the Fuel Farm and south of Mill Island	R26	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Construction Laydown Area	R25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fresh Air Intake / Fan	R09	■	■	■	■											
Mine Island - West (Crusher, Hoist, Compression, Office / Dry and Diesel Fuel)	R04	■	■	■	■											
Mine Island - East (Laydown area, exhaust area, fire water tank / pumphouse)	R08	■	■	■	■											
Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	R06	■	■	■	■											
Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	R07	■	■	■	■											
Haul Road Lined	R05	■	■	■	■											
Local Area South of the Surface Runoff Pond #1	R10	■	■													
Local Area South of the Surface Runoff Pond #1	R11	■	■													
Mill Island - North	R01	■	■													
Mill Island - South West	R02	■	■													
Mill Island - South East	R03	■	■	■												
Special Waste Stockpile	R41	■	■													
Ore Stockpile	R40	■	■													
Potentially Acid Generating (PAG) stockpile - West Slope	R43	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Potentially Acid Generating (PAG) stockpile - North Slope	R44	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Potentially Acid Generating (PAG) stockpile - North East Slope	R45	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Area 2	R42	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R60	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R61	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Contained Airport Runoff	R50	■	■	■												
Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown)	R23	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment south of the Domestic/Industrial Waste Management Area	R72															
Undisturbed catchment south of the West Bermed Runoff Containment Area	R73															
Undisturbed catchment south of the NAG Waste Rock Stockpile	R70	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Undisturbed catchment south of the NAG Waste Rock Stockpile	R71	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Non-contained Airport Runoff	R51	■	■	■												
Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	R80	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Effluent Treatment Plant	T01	■	■	■	■	■										
Mine and Runoff Water Pre-Treatment	T02															
Enhanced Effluent Post Treatment	T03															
Process Plant	T04															
Underground Tailings Management Facility	T05	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fresh Water Intake	I01															
West Surface Runoff Discharge	Q01	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Treated Effluent Discharge	Q02	■	■	■	■	■										
Treated Sewage Discharge	Q03	■	■	■	■											
Groundwater Discharge	Q04	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
East Surface Water Discharge	Q05	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
South Perimeter Diversion Discharge	Q06	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
West Perimeter Diversion Discharge	Q07	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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Table B-3: ElementID - Runoff Source

ID	Description	Routed To		Routed Via		Water Classification
		Description	Element ID	Description	Element ID	
Operations						
R01	Mill Island - North	Site Runoff Pond #1	P/S00	Diversion Ditch	D01, D103, D102, D101	Contact Water
R02	Mill Island - South West	Site Runoff Pond #1	P/S00	Diversion Ditch	D02, D104, D103, D102, D101	Contact Water
R03	Mill Island - South East	Site Runoff Pond #1	P/S00	Diversion Ditch	D03, D104, D103, D102, D101	Contact Water
R04	Mine Island - West (Crusher, Hoist, Compression, Office / Dry and Diesel Fuel)	Site Runoff Pond #1	P/S00	Diversion Ditch	D04, D105	Contact Water
R05	Haul Road Lined	Site Runoff Pond #1	P/S00	Diversion Ditch	D05, D106, D105	Contact Water
R06	Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	Site Runoff Pond #1	P/S00	Diversion Ditch	D06, D107, D106, D105	Contact Water
R07	Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	Site Runoff Pond #1		Diversion Ditch	D07, D108, D107, D106, D105	Contact Water
R08	Mine Island - East (Laydown area, exhaust area, fire water tank / pumphouse)	Site Runoff Pond #1	P/S00	Diversion Ditch	D08, D109, D108, D107, D106, D105	Contact Water
R09	Fresh Air Intake / Fan	Site Runoff Pond #1	P/S00	Diversion Ditch	D09	Contact Water
R10	Local Area South of the Surface Runoff Pond #1	Site Runoff Pond #1	P/S00	Diversion Ditch	D10, D101	Contact Water
R11	Local Area South of the Surface Runoff Pond #1	Site Runoff Pond #1	P/S00	Diversion Ditch	D11, D102, D101	Contact Water
R20	Domestic and Industrial Waste Management Area	Site Runoff Pond #1	P/S09	Diversion Ditch	D20	Contact Water
R21	Batch Plant Sand and Aggregate Storage Area	Batch Plant Sand and Aggregate Sump	P/S13	Gravity Transfer	GT21	Contact Water
R22	Waste Rock (NAG) Stockpile	Site Runoff Pond #1	P/S09	Diversion Ditch	D22	Contact Water
R23	Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown	Site Runoff Pond #1	P/S09	Gravity Transfer	GT23	Contact Water
R24	Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	Site Runoff Pond #1	P/S09	Diversion Ditch	D24	Contact Water
R25	Construction Laydown Area	Site Runoff Pond #1	P/S09	Diversion Ditch	D25	Contact Water
R26	Modular construction facility located north of the Fuel Farm and south of Mill Island	Site Runoff Pond #1	P/S09	Diversion Ditch	D26	Contact Water
R27	Lined portion of Fuel Farm	Fuel Farm Sump	P/S12	Gravity Transfer	GT27	Contact Water
R28	Construction / Permanent Camp	Surface Runoff Pond #2	P/S09	Diversion Ditch	D28	Contact Water
R30	West Bermed Runoff Collection Area local catchment	West Bermed Runoff Collection Area	P/S08	Gravity Transfer	GT30	Contact Water
R31	Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	West Bermed Runoff Collection Area	P/S08	Gravity Transfer	GT31	Contact Water
R40	Ore Stockpile	Ore Stockpile Collection Sump	P/S11	Gravity Transfer	GT40	Contact Water
R41	Special Waste Stockpile	Special Waste Collection Sump	P/S10	Gravity Transfer	GT41	Contact Water
R42	Area 2	PAG Runoff Collection Area	P/S07	Gravity Transfer	GT42	Contact Water
R43	Potentially Acid Generating (PAG) stockpile - West Slope	PAG Runoff Collection Area	P/S07	Diversion Ditch	D43, D402	Contact Water
R44	Potentially Acid Generating (PAG) stockpile - North Slope	PAG Runoff Collection Area	P/S07	Diversion Ditch	D44, D402	Contact Water
R45	Potentially Acid Generating (PAG) stockpile - North East Slope	PAG Runoff Collection Area	P/S07	Diversion Ditch	D45	Contact Water
R50	Contained Airport Runoff	Airport Fueling Pad Sump / Pond	P/S16	Gravity Transfer	GT50	Contact Water
R51	Non-contained Airport Runoff	Uncontrolled to Environment	N/A	Diversion Ditch	D51	Non-contact Water
R52	Explosives Magazine Storage	West Bermed Runoff Collection Area	P/S08	Diversion Ditch	D52	Contact Water
R60	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	East Surface Runoff Discharge	Q05	Diversion Ditch	D60, D601, D600	Non-contact Water
R61	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	East Surface Runoff Discharge	Q05	Diversion Ditch	D61, D601, D600	Non-contact Water
R70	Undisturbed catchment south of the NPAG Waste Rock Stockpile	South Perimeter Diversion Discharge	Q06	Diversion Ditch	D70, D701	Non-contact Water
R71	Undisturbed catchment south of the NPAG Waste Rock Stockpile	South Perimeter Diversion Discharge	Q06	Diversion Ditch	D71, D701	Non-contact Water
R72	Undisturbed catchment south of the Domestic/Industrial Waste Management Area	Uncontrolled to Environment	N/A	N/A	N/A	Non-contact Water
R73	Undisturbed catchment south of the West Bermed Runoff Containment Area	Uncontrolled to Environment	N/A	N/A	N/A	Non-contact Water
R80	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	West Surface Runoff Discharge	Q07	Diversion Ditch	D80	Non-contact Water

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Table B-3: ElementID - Runoff Source

ID	Description	Routed To		Routed Via		Water Classification
		Description	Element ID	Description	Element ID	
Post-Closure						
R20	Domestic and Industrial Waste Management Area	West Surface Runoff Discharge	Q01	Diversion Ditch	D20, D203, D206, D205, D204, D202, D201, D200	Contact Water
R21	Batch Plant Sand and Aggregate Storage Area	West Surface Runoff Discharge	Q01	Gravity Transfer	GT21, D203, D206, D205, D204, D202, D201, D200	Contact Water
R22	Waste Rock (NAG) Stockpile	West Surface Runoff Discharge	Q01	Diversion Ditch	D22, D207, D206, D205, D204, D202, D201, D200	Contact Water
R23	Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown	West Surface Runoff Discharge	Q01	Gravity Transfer, Diversion Ditch	GT23, D208, D207, D206, D205, D204, D202, D201, D200	Contact Water
R24	Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	West Surface Runoff Discharge	Q01	Diversion Ditch	D24, D208, D207, D206, D205, D204, D202, D201, D200	Contact Water
R25	Construction Laydown Area	West Surface Runoff Discharge	Q01	Diversion Ditch	D25, D205, D204, D202, D201, D200	Contact Water
R26	Modular construction facility located north of the Fuel Farm and south of Mill Island	West Surface Runoff Discharge	Q01	Diversion Ditch	D26, D204, D202, D201, D200	Contact Water
R27	Lined portion of Fuel Farm	West Surface Runoff Discharge	Q01	Gravity Transfer, Diversion Ditch	GT27, D209, D202, D201, D200	Contact Water
R28	Construction / Permanent Camp	West Surface Runoff Discharge	Q01	Diversion Ditch	D28, D209, D202, D201, D200	Contact Water
R30	West Bermed Runoff Collection Area local catchment	West Surface Runoff Discharge	Q01	Gravity Transfer, Diversion Ditch	GT30, D201, D200	Contact Water
R31	Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	West Surface Runoff Discharge	Q01	Gravity Transfer, Diversion Ditch	GT31, D201, D200	Contact Water
R42	Area 2	East Surface Runoff Discharge	Q05	Gravity Transfer, Diversion Ditch	GT42, D401, D400, D600	Contact Water
R43	Potentially Acid Generating (PAG) stockpile - West Slope	East Surface Runoff Discharge	Q05	Diversion Ditch	D43, D402, D401, D400, D600	Contact Water
R44	Potentially Acid Generating (PAG) stockpile - North Slope	East Surface Runoff Discharge	Q05	Diversion Ditch	D44, D402, D401, D400, D600	Contact Water
R45	Potentially Acid Generating (PAG) stockpile - North East Slope	East Surface Runoff Discharge	Q05	Diversion Ditch	D45, D400, D600	Contact Water
R52	Explosives Magazine Storage	West Surface Runoff Discharge	Q01	Diversion Ditch	D52, D201, D200	Contact Water
R60	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	East Surface Runoff Discharge	Q05	Diversion Ditch	D60, D601, D600	Non-contact Water
R61	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	East Surface Runoff Discharge	Q05	Diversion Ditch	D61, D601, D600	Non-contact Water
R70	Undisturbed catchment south of the NPAG Waste Rock Stockpile	South Perimeter Freshwater Diversion Discharge	Q06	Diversion Ditch	D70, D701	Non-contact Water
R71	Undisturbed catchment south of the NPAG Waste Rock Stockpile	South Perimeter Freshwater Diversion Discharge	Q06	Diversion Ditch	D71, D701	Non-contact Water
R80	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	West Perimeter Diversion Discharge	Q07	Diversion Ditch	D80	Non-contact Water

N/A = not applicable; PAG = potentially acid generating; NPAG = non-potentially acid generating.
Notes: Only active model elements have been included in the Post-Closure list

Table B-4: ElementID - Groundwater Source

ID	Description	Routed To		Routed Via		Water Classification
		Description	Element ID	Description	Element ID	
Operations						
G01	Groundwater Inflow to Backfill	Underground Below Sump	P/S21	N/A	P15	Contact
G02	Groundwater Inflow to Shafts	Underground Below Sump	P/S21	N/A	P16	Contact
G03	Groundwater Inflow to UG Workings	Underground Below Sump	P/S21	N/A	P17	Contact
G04	Groundwater contribution upstream of UGTMF	Underground Tailings Management Facility	Not Used	Not Used	Not Used	Contact
G05	Groundwater contribution downstream of UGTMF	Post UGTMF Groundwater Discharge	Not Used	Not Used	Not Used	Contact
Post-Closure						
G04	Groundwater contribution upstream of UGTMF	Underground Tailings Management Facility		Not Used	Not Used	Contact
G05	Groundwater contribution downstream of UGTMF	Post UGTMF Groundwater Discharge	Not Used	Not Used	Not Used	Contact

N/A = not applicable; UGTMF = underground tailings management facility.

Notes: Only active model elements have been included in the Post-Closure list

Table B-5: ElementID - Intake Source

Description	ID	Routed to		Routed via	
		Description	ID	Description	ID
Operations					
Freshwater Intake	I01	Various	N/A	Various	N/A
Post-Closure					
N/A	N/A	N/A	N/A	N/A	N/A

N/A = not applicable

Table B-6: ElementID - Pond/Storage

Description	ID	Routed to		Routed via	
		Description	ID	Description	ID
Operations					
Site Runoff Pond #1	P/S00	Settling Pond	P/S06	Pumping	P24
Treated Effluent Pond #1	P/S01	Contingency Pond	P/S05	N/A	N/A
Treated Effluent Pond #2	P/S02	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	AP02	N/A	N/A
Treated Effluent Pond #3	P/S03	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	AP02	N/A	N/A
Treated Effluent Pond #4	P/S04	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	AP02	N/A	N/A
Contingency Pond	P/S05	Treated Effluent Pond #1	P/S01	Pumping	P27
Settling Pond	P/S06	Pre-effluent Treatment Plant Feed		Pumping	P33
		Pre-process plant	AP08	Pumping	P19
PAG Runoff Collection Area	P/S07	Settling Pond	P/S06	Pumping	P23
West Bermed Runoff Collection Area	P/S08	Post West Bermed Runoff Collection Area	AP01	Diversion Ditch	D201
Site Runoff Pond #2	P/S09	Post Surface Runoff Pond #2	AP04	Diversion Ditch	D202
Special Waste Collection Sump	P/S10	Settling Pond	P/S06	Pumping	P04
Ore Stockpile Collection Sump	P/S11	Settling Pond	P/S06	Pumping	P03
Fuel Farm Sump / Pond	P/S12	Water / Oil Separator	P/S17	Pumping (Vac Truck)	P35
Batch Plant Sand and Aggregate Sump / Pond	P/S13	Surface Runoff Pond #2	P/S09	Diversion Ditch	D203
Sewage Treatment Lagoon #1 (west)	P/S14	Post Sewage Treatment Lagoons	AP03	N/A	N/A
Sewage Treatment Lagoon #2 (east)	P/S15	Post Sewage Treatment Lagoons	AP03	N/A	N/A
Airport Fueling Pad Sump / Pond	P/S16	Water / Oil Separator	P/S17	Pumping (Vac Truck)	P35
Water / Oil Separator	P/S17	Settling Pond	P/S06	Pumping	P36
Treated Effluent Tank	P/S18	Treated Effluent Pond #1	P/S01	Pumping	P02
		Pre-process plant	AP08	Pumping	P18
		Underground activities	various	Pumping	P38
Effluent Treatment Plant Sump	P/S19	Settling Pond	P/S06	Pumping	P28
Underground Main Sump	P/S20	Settling Pond	P/S06	Pumping	P13
Underground Below Sump	P/S21	Settling Pond	P/S06	Pumping	P14
Patterson Lake	P/S22	Forrest Lake	-	Clearwater River below Patterson Lake	-
Post-Closure					
N/A	N/A	N/A	N/A	N/A	N/A

N/A = not applicable

Table B-7: ElementID - Treatment

Description	ID	Routed to		Routed via	
		Description	ID	Description	ID
Operations					
Effluent Treatment Plant	T01	Treated Effluent Tank	P/S018	Pumping	P29
Mine Runoff Water Pre-treatment	T02	Effluent Treatment Plant	T01	Pumping	P31
Enhanced Effluent Post Treatment	T03	Effluent Treatment Plant	T01	Pumping	P32
Process Plant	T04	Post Process Plant	AP06	Pumping	P22
Underground Tailings Management Facility	Not Used	Not Used	Not Used	Not Used	Not Used
Post-Closure					
Underground Tailings Management Facility	Not Used	Not Used		Not Used	Not Used

Notes:
Only active model elements have been included in the Post-Closure list
Underground Tailings Management Facility accounted for in Solute Transport Modelling

Table B-8: ElementID - Consumption

ID	Description
Operations	
C01	Surface Use (Potable Water - Mine Dry, Potable Water - Process Plant Dry, Camp)
C02	Surface Use (Wash Bay)
C03	Surface Industrial Use (Freeze Plant , Batch Plant , Misc. (roads, fire)
C04	Process Plant Consumption (Paste Plant 1, Paste Plant 2, Circuits, Acid Plants and Boilers)
C05	Underground Waste Disposal
Post-Closure	
N/A	N/A

N/A = not applicable

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Table B-9: ElementID - Assessment Nodes

ID	Description	Rationale
Operations		
SP01	Post West Bermed Runoff Collection Area	Assess quality before release to the environment via diversion ditch D201 to Q01 West Surface Runoff Discharge in Patterson Lake
SP02	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Assess quality after the Treated Effluent Ponds before being pumped via P01 to the environment at Q02 Effluent Discharge in Patterson Lake to determine if acceptable or if further treatment is required
SP03	Post Sewage Treatment Lagoons	Assess water quality prior before being pumped via P25 to the environment at Q03 Domestic Sewage Discharge in Patterson Lake
SP04	Post Surface Runoff Pond #2	Assess quality of water at limit of control and determine if pumping to the T01 Effluent Treatment Plant circuit via P26 and the P/S06 Settling Pond is required
SP05	Pre-effluent Treatment Plant Feed	Assess quality of aggregate feed flow reporting from the P/S06 Settling Pond to the T01 Effluent Treatment Plant
SP06	Post Process Plant	Assess quality of downstream outputs from the Process Plant prior to being pumped to the T01 Effluent Treatment Plant via P22
SP07	Post UGTMF Groundwater Discharge	Assess groundwater pathway loading to Patterson Lake via Q04 Groundwater Discharge
SP08	Pre-process plant	Assess quality of upstream inputs to the Process Plant
Post-Closure		
SP01	Post West Bermed Runoff Collection Area	Assess quality before release to the environment via diversion ditch D201 to Q01 West Surface Runoff Discharge in Patterson Lake
SP07	Post UGTMF Groundwater Discharge	Assess groundwater pathway loading to Patterson Lake via Q04 Groundwater Discharge
SP09	Pre-East Perimeter Freshwater Diversion	Assess surface water pathway to Patterson Lake via Q05 East Perimeter Freshwater Diversion Discharge

Notes: Only active model elements have been included in the Post-Closure list
UGTMF = underground tailings management facility.

Table B-10: ElementID - Discharge

Discharge	ID	Routed to	
		Description	ID
Operations			
West Surface Runoff Discharge	Q01	Patterson Lake	P/S 22
Treated Effluent Discharge	Q02	Patterson Lake	P/S 22
Domestic Sewage Discharge	Q03	Patterson Lake	P/S 22
Not used	Q04	Patterson Lake	P/S 22
East Surface Runoff Discharge	Q05	Patterson Lake	P/S 22
South Perimeter Diversion Discharge	Q06	Patterson Lake	P/S 22
West Perimeter Diversion Discharge	Q07	Patterson Lake	
Post Closure			
West Surface Runoff Discharge	Q01	Patterson Lake	P/S 22
Groundwater Discharge	Q04	Not Used	Not Used
East Surface Runoff Discharge	Q05	Patterson Lake	P/S 22
South Perimeter Diversion Discharge	Q06	Patterson Lake	P/S 22
West Perimeter Diversion Discharge	Q07	Patterson Lake	P/S 22

Notes: Only active model elements have been included in the Post-Closure list

Table B-11: ElementID - Pumping Flows

ID	Routed to		Routed from	
	Description	ID	Description	ID
Operations				
P01	Effluent Discharge	Q02	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	AP02
P02	Treated Effluent Pond #1	P/S01	Treated Effluent Tank	P/S18
P03	Settling Pond	P/S06	Ore Stockpile Collection Sump	P/S11
P04	Settling Pond	P/S06	Special Waste Collection Sump	P/S10
P05	Surface Use (Wash Bay)	C02	Fresh Water Intake	I01
P06	Surface Industrial Use (Freeze Plant , Batch Plant , Misc. (roads, fire)	C03	Fresh Water Intake	I01
P07	Effluent Treatment Plant	T01		I01
P08	Underground Activities	P10, P11, P12	Fresh Water Intake	I01
P09	Settling Pond	P/S06	Industrial Surface Use	-
P10	Underground Main Sump	P/S03	Underground Equipment	P38/P08
P11	Underground Main Sump	P/S03	Shotcrete Line Flushing	P38/P08
P12	Underground Main Sump	P/S03	Paste Line Flushing	P38/P08
P13	Settling Pond	P/S06	Underground Main Sump	P/S03
P14	Settling Pond	P/S06	Underground Below Sump	P/S04
P15	Underground Below Sump	P/S04	Groundwater Inflow to Backfill	G01
P16	Underground Below Sump	P/S04	Groundwater Inflow to Shafts	G02
P17	Underground Below Sump	P/S04	Groundwater Inflow to Underground Workings	G03
P18	Pre-process plant	AP08	Treated Effluent Tank	P/S18
P19	Pre-process plant	AP08	Settling Pond	P/S06
P20	Pre-process plant	AP08	North Freshwater Intake	I01
P21	Underground Waste Disposal	C05	Process Plant	T04
P22	Post Process Plant	AP06	Process Plant	T04
P23	Settling Pond	P/S06	PAG Runoff Collection Area	P/S07
P24	Settling Pond	P/S06	Site Runoff Pond #1	P/S00
P25	Domestic Sewage Discharge	Q03	Post Sewage Treatment Lagoons	AP03
P26	Settling Pond	P/S06	Surface Runoff Pond #2	P/S09
P27	Settling Pond	P/S06	Contingency Pond	P/S05
P28	Settling Pond	P/S06	Effluent Treatment Plant Sump	P/S19
P29	Treated Effluent Tank	P/S18	Effluent Treatment Plant	T01
P30	Not used	Not used	Not used	Not used
P31	Effluent Treatment Plant	T01	Mine and Runoff Water Pre-Treatment	T02
P32	Effluent Treatment Plant	T01	Enhanced Effluent Post Treatment	T03
P33	Pre-effluent Treatment Plant Feed	AP05	Setting Pond	P/S06
P34	Surface Use (Potable Water - Mine Dry, Potable Water - Process Plant Dry, Camp)	C01	Fresh Water Intake	I01
P35	Water / Oil Separator	P/S17	Fuel Farm Sump / Pond	P/S12
			Airport Fueling Pad Sump / Pond	P/S16
P36	Settling Pond	P/S06	Water / Oil Separator	P/S17
P37	Settling Pond	P/S06	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	AP02
P38	Underground Activities	P10, P11, P12	Treated Effluent Tank	P/S18
P39	Pre-process plant	AP08	Treated Effluent Tank	P/S18
P40	Not used	Not used	Not used	Not used
P41	Effluent Treatment Plant	T01	Post Process Plant	AP06
P42	Effluent Treatment Plant Sump	P/S19	Effluent Treatment Plant	T01
P43	Settling Pond	P/S06	Surface Use 1	-
P44	Sewage Treatment Lagoon West	P/S14	Surface Use 1	-
P45	Sewage Treatment Lagoon East	P/S15	Surface Use 1	-
P46	Settling Pond	P/S06	Surface Use Wash Bay	-
P47	Settling Pond	P/S06	Underground Main Sump and Underground Below Sump	PS/20 and P/S21
P48	Assessment Point 3	AP03	Sewage Treatment Lagoon West	P/S14
P49	Assessment Point 3	AP03	Sewage Treatment Lagoon East	P/S15
P50	Contingency Pond	P/S05	Settling Pond	P/S06
Post-Closure				
N/A	N/A	N/A	N/A	N/A

N/A = Not Applicable

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Table B-12: ElementID - Diversion Ditch Flows

ID	Routed to		Routed from	
	Description	ID	Description	ID
Operations				
D01	Diversion Ditch	D103	Mill Island - North	R01
D02	Diversion Ditch	D104	Mill Island - South West	R02
D03	Diversion Ditch	D104	Mill Island - South East	R03
D04	Diversion Ditch	D105	Mine Island - West (Crusher, Hoist, Compression, Office / Dry and Diesel Fuel)	R04
D05	Diversion Ditch	D106	Haul Road Lined	R05
D06	Diversion Ditch	D107	Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	R06
D07	Diversion Ditch	D108		R07
D08	Diversion Ditch	D109	Mine Island - East (Laydown area, exhaust area, fire water tank / pumphouse)	R08
D09	Site Runoff Pond #1	P/S00	Fresh Air Intake / Fan	R09
D10	Diversion Ditch	D101	Local Area South of the Surface Runoff Pond #1	R10
D11	Diversion Ditch	D102	Local Area South of the Surface Runoff Pond #1	R11
D12	Not Used	N/A	Not Used	N/A
D13	Not Used	N/A	Not Used	N/A
D14	Not Used	N/A	Not Used	N/A
D15	Not Used	N/A	Not Used	N/A
D16	Not Used	N/A	Not Used	N/A
D17	Not Used	N/A	Not Used	N/A
D18	Not Used	N/A	Not Used	N/A
D19	Not Used	N/A	Not Used	N/A
D20	Site Runoff Pond #2	P/S09	Domestic and Industrial Waste Management Area	R20
D21	Not Used	N/A	Not Used	N/A
D22	Site Runoff Pond #2	P/S09	Waste Rock (NAG) Stockpile	R22
D23	Not Used	N/A	Not Used	N/A
D24	Site Runoff Pond #2	P/S09	Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	R24
D25	Site Runoff Pond #2	P/S09	Construction Laydown Area	R25
D26	Site Runoff Pond #2	P/S09	Modular construction facility located north of the Fuel Farm and south of Mill Island	R26
D27	Not Used	N/A	Lined portion of Fuel Farm	R27
D28	Site Runoff Pond #2		Construction / Permanent Camp	R28
D29	Not Used	N/A	Not Used	N/A
D30	Not Used	N/A	Not Used	N/A
D31	Not Used	N/A	Not Used	N/A
D32	Not Used	N/A	Not Used	N/A
D33	Not Used	N/A	Not Used	N/A
D34	Not Used	N/A	Not Used	N/A
D35	Not Used	N/A	Not Used	N/A
D36	Not Used	N/A	Not Used	N/A
D37	Not Used	N/A	Not Used	N/A
D38	Not Used	N/A	Not Used	N/A
D39	Not Used	N/A	Not Used	N/A
D40	Not Used	N/A	Not Used	N/A
D41	Not Used	N/A	Not Used	N/A
D42	Not Used	N/A	Not Used	N/A
D43	Diversion Ditch	D402	Potentially Acid Generating (PAG) stockpile - West Slope	R43
D44	Diversion Ditch	D402	Potentially Acid Generating (PAG) stockpile - North Slope	R44
D45	PAG Runoff Collection Area	P/S07	Potentially Acid Generating (PAG) stockpile - North East Slope	R45
D46	Not Used	N/A	Not Used	N/A
D47	Not Used	N/A	Not Used	N/A
D48	Not Used	N/A	Not Used	N/A
D49	Not Used	N/A	Not Used	N/A
D50	Not Used	N/A	Not Used	N/A
D51	Uncontrolled to Environment	N/A	Non-contained Airport Runoff	R51
D52	West Bermed Runoff Collection Area	P/S08	Explosives Magazine Storage	R52
D53	Not Used	N/A	Not Used	N/A
D54	Not Used	N/A	Not Used	N/A
D55	Not Used	N/A	Not Used	N/A
D56	Not Used	N/A	Not Used	N/A
D57	Not Used	N/A	Not Used	N/A
D58	Not Used	N/A	Not Used	N/A
D59	Not Used	N/A	Not Used	N/A
D60	Diversion Ditch	D601	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R60
D61	Diversion Ditch	D601	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R61
D62	Not Used	N/A	Not Used	N/A
D63	Not Used	N/A	Not Used	N/A
D64	Not Used	N/A	Not Used	N/A
D65	Not Used	N/A	Not Used	N/A
D66	Not Used	N/A	Not Used	N/A
D67	Not Used	N/A	Not Used	N/A
D68	Not Used	N/A	Not Used	N/A
D69	Not Used	N/A	Not Used	N/A
D70	Diversion Ditch	D701	Undisturbed catchment south of the NPAG Waste Rock Stockpile	R70
D71	Diversion Ditch	D701	Undisturbed catchment south of the NPAG Waste Rock Stockpile	R71
D72	Not Used	N/A	Not Used	N/A
D73	Not Used	N/A	Not Used	N/A
D74	Not Used	N/A	Not Used	N/A
D75	Not Used	N/A	Not Used	N/A
D76	Not Used	N/A	Not Used	N/A
D77	Not Used	N/A	Not Used	N/A
D78	Not Used	N/A	Not Used	N/A
D79	Not Used	N/A	Not Used	N/A
D80	West Perimeter Freshwater Diversion Discharge	Q07	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	R80
	TO		FROM	
D101	Site Runoff Pond #2	P/S00	Diversion Ditch	D102, D10
D102	Diversion Ditch	D101	Diversion Ditch	D103, D11
D103	Diversion Ditch	D102	Diversion Ditch	D104, D01
D104	Diversion Ditch	D103	Diversion Ditch	D02, D03
D105	Site Runoff Pond #2	P/S00	Diversion Ditch	D04, D106
D106	Diversion Ditch	D105	Diversion Ditch	D05,D107
D107	Diversion Ditch	D106	Diversion Ditch	D06,D108
D108	Diversion Ditch	D107	Diversion Ditch	D07, D109
D109	Diversion Ditch	D108	Diversion Ditch	D08
D200	West Surface Runoff Discharge	Q01	Post West Bermed Runoff Collection Area	AP01
D201	Post West Bermed Runoff Collection Area	AP01	West Bermed Runoff Collection Area	P/S08
D202	West Bermed Runoff Collection Area	P/S08	Post Surface Runoff Pond #2	AP04
D203	Surface Runoff Pond #2	P/S09	Batch Plant Sand and Aggregate Sump	P/S13
D402	PAG Runoff Collection Area	P/S07	Diversion Ditch	D43, D44
D600	East Perimeter Freshwater Diversion Discharge	Q05	Diversion Ditch	D601
D601	Diversion Ditch	D600	Diversion Ditch	D60, D61
D701	South Perimeter Diversion Discharge	Q06	Diversion Ditch	D70, D71
Post-Closure				
D20	Diversion Ditch	D203	Domestic and Industrial Waste Management Area	R20
D21	Not Used	N/A	Not Used	N/A
D22	Diversion Ditch	D207	Waste Rock (NAG) Stockpile	R22
D23	Not Used	N/A	Not Used	N/A
D24	Diversion Ditch	D208	Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	R24
D25	Diversion Ditch	D205	Construction Laydown Area	R25
D26	Diversion Ditch	D204	Modular construction facility located north of the Fuel Farm and south of Mill Island	R26
D27	Not Used	N/A	Lined portion of Fuel Farm	R27
D28	Diversion Ditch	D209	Construction / Permanent Camp	R28
D52	Diversion Ditch	D201	Explosives Magazine Storage	R52
D200	West Surface Runoff Discharge	Q01	Post West Bermed Runoff Collection Area	AP01
D201	Post West Bermed Runoff Collection Area	AP01	Diversion Ditch, Gravity Transfer	D202, GT31, GT30
D202	Diversion Ditch	D201	Diversion Ditch	D204, D209
D203	Diversion Ditch	D206	Diversion Ditch, Gravity Transfer	D20, GT21
D204	Diversion Ditch	D202	Diversion Ditch	D205, D26
D205	Diversion Ditch	D204	Diversion Ditch	D206, D25
D206	Diversion Ditch	D205	Diversion Ditch	D207, D203
D207	Diversion Ditch	D206	Diversion Ditch	D22, D208
D208	Diversion Ditch	D207	Diversion Ditch, Gravity Transfer	GT23, D24
D209	Diversion Ditch	D202	Diversion Ditch, Gravity Transfer	D28, GT27
D70	Diversion Ditch	D701	Undisturbed catchment south of the NPAG Waste Rock Stockpile	R70
D71	Diversion Ditch	D701	Undisturbed catchment south of the NPAG Waste Rock Stockpile	R71
D61	Diversion Ditch	D601	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R61
D60	Diversion Ditch	D601	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	R60
D43	Diversion Ditch	D402	Potentially Acid Generating (PAG) stockpile - West Slope	R43
D44	Diversion Ditch	D402	Potentially Acid Generating (PAG) stockpile - North Slope	R44
D45	Diversion Ditch	D400	Potentially Acid Generating (PAG) stockpile - North East Slope	R45
D400	Diversion Ditch	D600	Diversion Ditch	D45, D401
D401	Diversion Ditch	D400	Diversion Ditch, Gravity Transfer	GT42, D402
D402	Diversion Ditch	D401	Diversion Ditch	D43, D44
D600	Pre-East Freshwater Diversion	AP09	Diversion Ditch	D400, D601
D601	Diversion Ditch	D600	Diversion Ditch	D60, D61
D701	South Perimeter Diversion Discharge	Q06	Diversion Ditch	D70, D71
D80	West Perimeter Diversion Discharge	Q07	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	R80

Notes: Only active model elements have been included in the Post-Closure list

Table B-13: ElementID - Gravity Transfer Flows

ID	Routed to		Routed from	
	Description	ID	Description	ID
Operations				
GT21	Batch Plant Sand and Aggregate Sump	P/S13	Batch Plant Sand and Aggregate Storage Area	R21
GT23	Site Runoff Pond #2	P/S09	Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown	R23
GT27	Fuel Farm Sump	P/S12	Lined portion of Fuel Farm	R27
GT30	West Bermed Runoff Collection Area	P/S08	West Bermed Runoff Collection Area local catchment	R30
GT31	West Bermed Runoff Collection Area	P/S08	Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R31
GT40	Ore Stockpile Collection Sump	P/S11	Ore Stockpile	R40
GT41	Special Waste Collection Sump	P/S10		R41
GT42	PAG Runoff Collection Area	P/S07	Area 2	R42
GT50	Airport Fueling Pad Sump / Pond	P/S16	Contained Airport Runoff	R50
GT100	Groundwater Discharge	Q04	Pumping	P21
Post-Closure				
GT42	Diversion Ditch	D401	Area 2	R42
GT21	Diversion Ditch	D203	Batch Plant Sand and Aggregate Storage Area	R21
GT23	Diversion Ditch	D208	Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Construction Laydown	R23
GT27	Diversion Ditch	D209	Lined portion of Fuel Farm	R27
GT30	Diversion Ditch	D201	West Bermed Runoff Collection Area local catchment	R30
GT31	Diversion Ditch	D201	Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R31

Note: Omitted gravity transfer ID's in sequence are listed in the list of Diversion Ditches.
Note: Only active model elements have been included in the Post-Closure list

APPENDIX C

Operations Phase Model Input Parameters

Table C-1: Table of Contents

Table Number	Table Title
Table C-1	Table of Contents
Table C-2	References
Table C-3a	Source - Runoff - Disturbed Area Catchments
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Table C-4	Source - Groundwater Inflow
Table C-5	Source - Surface Water Intake
Table C-6	Pond/Storage
Table C-7	Treatment
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Table C-9	Assessment Points
Table C-10	Discharge
Table C-11	Pumping Flows
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Table C-13	Gravity Transfer

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Table C-2: References

Reference Number	Organization	Document Number	Revision	Description	Source
0	Golder	18114335-2750-2753	D	Climate Database Summary Memo	Golder (R. Phillips) 27 July 2020
1	Wood	203700-DD10-CAL-00001	B	Runoff Calculations for storm (2 hr, 1:100 24 hr, and PMP Events)	Wood (B. Pozniak) 08 December 2020
2	Not Used	Not Used	Not Used	Not Used	Not Used
3	Wood	2500-DD10-GAD-00001	D	General Site Drainage Plan	Wood (B. Pozniak) 27 November 2020
4	Not Used	Not Used	Not Used	Not Used	Not Used
5	Not Used	Not Used	Not Used	Not Used	Not Used
6	Wood	2100-DD10-SKT-00101	Revision in Progress	Site Runoff Calculations Working Sketch - Capture Areas	Wood (B. Pozniak) 26 January 2021
7	Wood	2100-DD10-SKT-00102	Revision in Progress	Ground Disturbance Working Sketch - Disturbance Extents	Wood (B. Pozniak) 26 January 2021
8	Golder	N/A	A	Golder Associates. 2019c. Regional Hydrological Characterization Report. NexGen Rook I Environmental Baseline Studies. (Date Accessed on 24 September 2019)	Golder (R.Phillips) 20 July 2020
9	Wood	0000-DD10-DSC-0001	2	Civil Design Criteria - Section 5.1	Wood (B.Pozniak) 03 November 2020
10	Golder	N/A	N/A	Hydrogeology EA Section - Existing Conditions	Golder (M. Tremblay) 2020
11	Golder	N/A	N/A	Hydrology EA Section - Existing Conditions	Golder (R. Phillips) 2020
12	Golder	N/A	N/A	Surface Water Quality EA Section - Existing Conditions	Golder (G. Van Arkle) 2020
13	CanNorth	CanNorth Rep no. 3008	0	CanNorth (Canada North Environmental Services Limited Partnership). 2019. Rook I Project Aquatic and Terrestrial Environmental Baseline Report - Draft Report. Perrpared for NexGen Energy Ltd. Report Number 3008. Pp. 815	CanNorth (K.Wells) 2019
14	Wood	N/A	N/A	Boehm, A. 2019a. Personal Communication by Email on 12 July 2019.	Wood (A. Boehm) 12 July 2019
15	Wood	N/A	N/A	Boehm, A. 2019b. Personal Communication by Email on 25 July 2019.	Wood (A. Boehm) 25 July 2019
16	BGC	1762004	Final	BGC (BGC Engineering Inc.). 2020. Water Rock Storage Area Infiltration Modelling - Final. Document Number 1762004. Pp. 18	NexGen (K. Bonstrom) July 2020
17	Wood	0000-DC10-BFD-00020	D	0000-DC10-BFD-00020_RevD .pdf. Process Water Balance Block Flow Diagram North Area. Prepared by NexGen (or their engineering consultants) and provided to Golder on 08 December 2020.	Wood (P.O'Hara) 12 January 2021
18	Wood	0000-DC10-BFD-00040	A	0000-DC10-BFD-00040_RevA.pdf. Process Water Balance Block Flow Diagram West Area. Prepared by NexGen (or their engineering consultants) and provided to Golder on 27 November 2020.	Wood (P.O'Hara) 12 January 2021
19	Golder	GAL-209-18114335	A	Golder. 2020. Rook I Project: Groundwater Chemistry Baseline - Draft. November 2020. Pp. 563.	Golder (Colin Higgins January 2021)
20	Wood	100303-0000-BA10-RPT-0003	C	Rook I Prefeasibility Report - Table 7-4: Effluent Treatment Results	A. Lieu (12 January 2021)
21	Not Used	Not used	Not Used	Not Used	Not Used
22	Okane	1219-01-007	3	Okane (Okane Consultants). 2020. Rook I WRSA – 1-Dimensional Numerical Modelling of WRSA End-Members. Document Number: 1219-01-007 Rev 3. Pp. 12	NexGen (K. Bonstrom) July 2020
23	Okane	N/A	N/A	WR Loading and WBs (Oct 27 2020) Excel File (accompanying report reference 22)	NexGen (K. Bonstrom January 2021)
24	Golder	*****	0	Golder. 2021. NexGen Rook I Project - Source Terms for Ore and Special Waste Facilities.	Golder (Nico Bezuidenhout January 2021)
25	Golder	******	N/A	Solute Transport Modeling Results	Golder (Mike Tremblay) 15 March 2021
26	Golder	GAL-100-18114335	1	Conceptual Diffuser Design Report for the Rook I Project	Golder (December 2019)
27	Okane	1219-002-011	N/A	Rook I Borrow Material Geochemical Analysis	Okane (J. Robertson) 6 December 2020
28	NexGen	N/A	N/A	UG Process Water Consumption 011521.xlsx	NexGen (K. Bonstrom) 12 January 2021
29	RPA	3166	2	RPA Arrow Deposit Updated EA Plan	RPA (D. Robson) 30 June 2020
30	Stantec	N/A	N/A	Re: Golder RFI - Sewage Outfall	Stantec (Mark Hatton) 07 May 2021
31	SRK	Compiled_WR_Srouce_Terms-Issue_to_NexGen_1NC034.002_JAC_Rev10-DRAFT 29Mar21	Rev10	Compiled Waste Rock Source Terms	SRK (Jeff Clarke) 29 March 2021
32	SRK	Compiled_UG_Source_Terms-Issue_to_NexGen_1NC034.002_JAC_Rev01 (002)	Rev1	Compiled Underground Source Terms	SRK (Jeff Clarke) 27 November 2020
33	Golder	GAL-039-2044150-REP NexGen UGTMF and Stope Source-Term Specialist Report_Draft.pdf	N/A	Rook I Project - Source-Term Derivation for Tailings Disposal	Golder (Nico Bezuidenhout) January 2021

Note: References are cited in subsequent tables using the reference number listed above.

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Table C-3a: Source - Runoff - Disturbed Area Catchments

Input Variable \ Disturbed Area Catchment	Mill Island - North	Mill Island - South West	Mill Island - South East	Mine Island - West (Crusher,Hoist, Compression, Office / Dry and Diesel Fuel)	Haul Road Lined	Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	Mine Island - East (Laydown area, exhaust area, fire watertank / pumphouse)	Fresh Air Intake Fan Area	Local Area South of the Surface Runoff Pond #1	Local Area South of the Surface Runoff Pond #1	Domestic and Industrial Waste Management Area	Batch Plant Sand and Aggregate Storage Area	Waste Rock (NPAG) Stockpile[f]	Construction Laydown Area	Modular construction facility located north of the fuel farm and south of Mill Island	Lined portion of Fuel Farm	Construction / Permanent Camp	West Bermed Runoff Containment Area local catchment	Ore Stockpile	Special Waste Stockpile	Area 2	Potentially Acid Generating (PAG) stockpile - West Slope[f]	Potentially Acid Generating (PAG) stockpile - North Slope[f]	Potentially Acid Generating (PAG) stockpile - North East Slope[f]	Contained Airport Runoff	Non-contained Airport Runoff	Explosives Magazine Storage
ElementID	**R01**	**R02**	**R03**	**R04**	**R05**	**R06**	**R07**	**R08**	**R09**	**R10**	**R11**	**R20**	**R21**	**R22**	**R25**	**R26**	**R27**	**R28**	**R30**	**R40**	**R41**	**R42**	**R43**	**R44**	**R45**	**R50**	**R51**	**R52**
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0
Catchment area	65,813; Ref6	34,130; Ref6[i]	34,130; Ref6[i]	21,480; Ref6[g]	21,480; Ref6[g]	18,960.67; Ref6[h]	18,960.67; Ref6[h]	18,960.67; Ref6[h]	6,260; Ref6	3,435; Ref6	1,050; Ref6	20,000; Ref6	15,000; Ref6	505,300[k]; Ref6	20,290; Ref6	24,150; Ref6	1,000; PH	40,760; Ref6	153,440; Ref6	21,744; Ref6	16,730; Ref6	10,040; Ref6	87,433; Ref6[j]	87,433; Ref6[j]	87,433; Ref6[j]	1,000[a] Ref6[j]	22,900[a] Ref6[j]	44,960; Ref6
Runoff coefficient	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.4; Ref1	0.6; Ref1	0.6; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1
Liner Presence / Absence (P = Present; A = Absent)	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3
Runoff pH	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff major ions input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff metals input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff radionuclides input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Seepage rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-potentially acid generating.

Notes:

a. Parameter is a placeholder not discretely implemented in current version. Future application is possible.
b. Mill Island North includes area labelled as "Road and Unlined Ditching (to Site Runoff Pond #1).
c. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms
d. Base case for Non-acid generating waste rock storage area (NAG WRSA) water quality source terms is Option 2B - non-PAG WRSA Base - No Liner
e. Base case for potentially acid generating waste rock storage area (PAG WRSA) water quality source terms is Option 2B - PAG Ops - Eng Layer - Base - Liner
f. EA Case footprint for PAG WRSA and NAG WRSA adopted.
g. Total area for Mine Island and Haul Road (Lined), 42,960 m^2, divided evenly in two parts for drainage routing.
h. Total area for Mine Island (Unlined), 56,882 m^2, divided evenly into three parts for drainage routing.
i. Total area for Mill Island, 68,260 m^2, divided evenly into two parts for drainage routing.
j. Total area for PAG Stockpile Area (EA), 262,320 m^2 divided evenly into three sub-catchments
k. Total area for NPAG Stockpile Area (EA)
l. The lined portion of the fuel farm estimated to be 1,000 m^2 and subtracted from the total area of the Construction Laydown Area

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Table C-3a: Source - Runoff - Disturbed Area Catchments

Input Variable \ Disturbed Area Catchment	Mill Island - North	Mill Island - South West	Mill Island - South East	Mine Island - West (Crusher,Hoist, Compression, Office / Dry and Diesel Fuel)	Haul Road Lined	Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	Mine Island - East (Laydown area, exhaust area, fire watertank / pumphouse)	Fresh Air Intake Fan Area	Local Area South of the Surface Runoff Pond #1	Local Area South of the Surface Runoff Pond #1	Domestic and Industrial Waste Management Area	Batch Plant Sand and Aggregate Storage Area	Waste Rock (NPAG) Stockpile	Construction Laydown Area	Modular construction facility located north of the fuel farm and south of Mill Island	Lined portion of Fuel Farm	Construction / Permanent Camp	West Bermed Runoff Containment Area local catchment	Ore Stockpile	Special Waste Stockpile	Area 2	Potentially Acid Generating (PAG) stockpile - West Slope	Potentially Acid Generating (PAG) stockpile - North Slope	Potentially Acid Generating (PAG) stockpile - North East Slope	Contained Airport Runoff	Non-contained Airport Runoff	Explosives Magazine Storage
ElementID	**R01**	**R02**	**R03**	**R04**	**R05**	**R06**	**R07**	**R08**	**R09**	**R10**	**R11**	**R20**	**R21**	**R22**	**R25**	**R26**	**R27**	**R28**	**R30**	**R40**	**R41**	**R42**	**R43**	**R44**	**R45**	**R50**	**R51**	**R52**
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0
Catchment area	65,813; Ref6	34,130; Ref6[i]	34,130; Ref6[i]	21,480; Ref6[g]	21,480; Ref6[g]	18,960.67; Ref6[h]	18,960.67; Ref6[h]	18,960.67; Ref6[h]	6,260; Ref6	3,435; Ref6	1,050; Ref6	20,000; Ref6	15,000; Ref6	505,300[k]; Ref6	20,290; Ref6	24,150; Ref6	1,000; PH	40,760; Ref6	153,440; Ref6	21,744; Ref6	16,730; Ref6	10,040; Ref6	87,433; Ref6[j]	87,433; Ref6[j]	87,433; Ref6[j]	1,000[a]; Ref6[j]	22,900[a]; Ref6[j]	44,960; Ref6
Runoff coefficient	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.6; Ref1	0.4; Ref1	0.6; Ref1	0.6; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.95; Ref1	0.6; Ref1	0.6; Ref1
Liner Presence / Absence (P = Present; A = Absent)	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	P; Ref 3	A; Ref 3	A; Ref 3
Runoff pH	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff major ions input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff metals input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Runoff radionuclides input	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref23[d]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref27[c]	Ref24	Ref24	Ref27[c]	Ref23[e]	Ref23[e]	Ref23[e]	Ref27[c]	Ref27[c]	Ref27[c]
Seepage rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-potentially acid generating.

Notes:

a. Parameter is a placeholder not discretely implemented in current version. Future application is possible.

b. Mill Island North includes area labelled as "Road and Unlined Ditching (to Site Runoff Pond #1).

c. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms

d. Base case for Non-acid generating waste rock storage area (NAG WRSA) water quality source terms is Option 2B - non-PAG WRSA Base - No Liner

e. Base case for potentially acid generating waste rock storage area (PAG WRSA) water quality source terms is Option 2B - PAG Ops - Eng Layer - Base - Liner

f. EA Case footprint for PAG WRSA and NAG WRSA adopted.

g. Total area for Mine Island and Haul Road (Lined), 42,960 m^2, divided evenly in two parts for drainage routing.

h. Total area for Mine Island (Unlined), 56,882 m^2, divided evenly into three parts for drainage routing.

i. Total area for Mill Island, 68,260 m^2, divided evenly into two parts for drainage routing.

j. Total area for PAG Stockpile Area (EA), 262,320 m^2 divided evenly into three sub-catchments

k. Total area for NPAG Stockpile Area (EA)

l. The lined portion of the fuel farm estimated to be 1,000 m^2 and subtracted from the total area of the Construction Laydown Area

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Table C-3b: Source - Runoff - Undisturbed Area Catchments

Input Variable \ Natural Area Catchment	Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Contruction Laydown)	Undeveloped Area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment south of the Domestic/Industrial Waste Management Area	Undisturbed catchment south of the West Bermed Runoff Containment Area	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area
Element ID	**R23**	**R24**	**R31**	**R60**	**R61**	**R70**	**R71**	**R72**	**R73**	**R80**
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Not Used[a]	Not Used[a]	Ref0
Catchment area	368,240; Ref6	100,980; Ref6	72,370; Ref6	15,000; PH	15,000; PH	25,000; PH	25,000; PH	Not Used[a]	Not Used[a]	25,000; PH
Runoff coefficient	0.15; Ref1	0.15; Ref1	0.15; Ref1	0.15; Ref1	0.15; Ref1	0.15; Ref1	0.15; Ref1	Not Used[a]	Not Used[a]	0.15; Ref1
Liner Presence / Absence (P = Present; A = Absent)	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	Not Used[a]	Not Used[a]	A; Ref 3
Runoff pH input	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Not Used[a]	Not Used[a]	Ref12[b]
Runoff major ions input	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Not Used[a]	Not Used[a]	Ref12[b]
Runoff metals input	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Not Used[a]	Not Used[a]	Ref12[b]
Runoff radionuclides input	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Ref12[b]	Not Used[a]	Not Used[a]	Ref12[b]

PH = Placeholder

Notes:

a. Undisturbed catchment R72 and R73 are not included in the model domain.

b. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms.

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Table C-4: Source - Groundwater Inflow

Input Variable \ Groundwater Outflow	Groundwater Inflow to Backfill	Groundwater Inflow to Shafts	Groundwater Inflow to UG Workings	Groundwater contribution upstream of UGTMF	Groundwater contribution downstream of UGTMF
ElementID	**G01**	**G02**	**G03**	**G04**	**G05**
Groundwater Flow Rates (m^3/hr)	4; Ref17	30; Ref17	70; Ref17	Not Used[c]	Not Used[c]
Groundwater Quality pH	Ref19[a,b,d]	Ref19[a,b,d]	Ref 32[d]	Not Used[c]	Not Used[c]
Groundwater Water Major Ions Input	Ref19[a,b,d]	Ref19[a,b,d]	Ref 32[d]	Not Used[c]	Not Used[c]
Groundwater Water Metals Input	Ref19[a,b,d]	Ref19[a,b,d]	Ref 32[d]	Not Used[c]	Not Used[c]
Groundwater Water Radionuclides Input	Ref19[a,b,d]	Ref19[a,b,d]	Ref 32[d]	Not Used[c]	Not Used[c]

Notes:

a. Westbay wells will be most representative of the groundwater entering the Shafts. Water quality varies with depth and WQ measured at depth of UG workings will be carried forward. Most conservative West Bay Well, as determined by metals and radionuclides, will be carried forward.

b. Most conservative West Bay Well, as determined by metals and radionuclides, will be carried forward.

c. Groundwater interaction with the UGTMF is accounted for in Rook I Solute Transport Modelling.

d. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms.

UG = underground, UGTMF = underground tailings management facility.

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Table C-5: Source - Surface Water Intake

Input Variable \ Fresh water Intake	North Freshwater Intake
ElementID	I01
Pumping Rate (m^3/hr)	185[a]; Ref17
Ambient Water Quality pH	Ref12[b,f]
Ambient Water Major Ions Input	Ref12[b,f]
Ambient Water Metals Input	Ref12[b,f]
Ambient Water Radionuclides Input	Ref12[b,f]
Operational Schedule	Continuous[c]
Operational Efficiency	100%[d]
Operational Utility	100%[e]

Notes:

a. Base case assumes constant withdrawal rate.

b. Water quality derived from baseline water quality for the Patterson Lake North Arm - East Basin.

c. Operational schedule for the Application case is assumed to be continuous.

d. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

e. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

f. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms.

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Table C-6: Pond/Storage

Input Variable \ Ponds	Site Runoff Pond #1	Monitoring Pond #1	Monitoring Pond #2	Monitoring Pond #3	Monitoring Pond #4	Contingency Pond	Settling Pond	PAG Runoff Collection Area	West Bermed Runoff Collection Area	Site Runoff Pond #2	Special Waste Collection Sump	Ore Stockpile Collection Sump	Fuel Farm Sump / Pond	Batch Plant Sand and Aggregate Storage Area Sump / Pond	Sewage Treatment Lagoon #1 (west)	Sewage Treatment Lagoon #2 (east)	Airport Fueling Pad Sump / Pond	Water / Oil Separator	Treated Effluent Tank	Effluent Treatment Plant Sump	Underground Main Sump	Underground Below Sump	Patterson Lake
Element ID	P/S00	P/S01	P/S02	P/S03	P/S04	P/S05	P/S06	P/S07	P/S08	P/S09	P/S10	P/S11	P/S12	P/S13	P/S14	P/S15	P/S16	P/S17	P/S18	P/S19	P/S20	P/S21	P/S22
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	Ref0	N/A	N/A	N/A	Ref0	Ref0	Ref0	N/A	N/A	N/A	N/A	N/A	N/A	Not Simulated[b]
Pond area (m^2)	28,800; Ref6	3,106; Ref6	3,106; Ref6	3,106; Ref6	3,106; Ref6	3,106; Ref6	5,940; Ref6	48,464; Ref6	153,440; Ref6	6,160; Ref6	2,174[f]	1,673[f]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Simulated[b]
Evaporation	Ref8	Ref8	Ref8	Ref8	Ref8	Ref8	Ref8	Ref8	Ref8	Ref8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Simulated[b]
Design Storm	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	PMP	100 yr 24hr	PMP	PMP	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	Not Simulated[b]
Minimum Storage (m^3)[i]	13,000	500[c]	500[c]	500[c]	500[c]	500[c]	1,600[c]	16,000	29,000	3,000	1,000	1,000	1[c]	1[c]	100[c]	100[c]	1[c]	1[c]	90	1[c]	50[c]	100[c]	Not Simulated[b]
Operating Storage (m^3)[j]	13,000	N/A	N/A	N/A	N/A	N/A	N/A	16,000	0	3,000	1,000	1,000	1	1	100[c]	100[c]	1[c]	1[c]	90	1[c]	50[c]	100[c]	Not Simulated[b]
Flood Storage (m^3)	131,690; Ref1	1,860 Ref1	1,860 Ref1	1,860 Ref1	1,860 Ref1	1,860 Ref1	3,855 Ref1	156,545; Ref1	286,854; Ref1	29,057; Ref1	8,184; Ref1	10,635; Ref1	N/A	N/A	900	900	N/A	N/A	N/A	N/A	N/A	N/A	Not Simulated[b]
Maximum Storage (Minimum Storage + Operating Storage + Flood Storage)	164,690	5,000; Ref9	5,000; Ref9	5,000; Ref9	5,000; Ref9	5,000; Ref9	16,000; Ref9	188,545	315,854	35,057	11,184	12,635	10[d]	10[d]	1,000[e]	1,000[e]	10[d]	10[d]	300; Ref13	10[d]	500; Ref17	1000; Ref17	Not Simulated[b]
Initial Conditions (Water Level)	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	FSL	Not Simulated[b]
Liner Presence/Absence (P = Present; A = Absent)	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	A; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	P; Ref3	Not Simulated[b]
Seepage rates	0	0	0	0	0	0	0	0	0[a]	0	0	0	0	0	0	0	0	0	0	0	0	0	Not Simulated[b]
Stage-Storage-Area Relationship	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[g]	Estimated[h]	Estimated[h]	Estimated[g]	Estimated[g]	Estimated[h]	Estimated[h]	Estimated[h]	Estimated[h]	Estimated[h]	Estimated[h]	Not Simulated[b]

FSL = Full supply level; PMP = probable maxium preciption.

Notes:

a) Seepage from the West Bermed Runoff Collection Area will report to Patterson Lake along the same flow path. Seepage from West Bermed Runoff Collection Area is a component of West Surface Runoff Discharge (Q01).
b) Patterson Lake simulated in the Regional Hydrology Model.
c) minimum pond storage maintained at approximately 10% of required flood storage to support water quality calculations.
d) sump size assumed to be 10 m3 in the absence of sizing data
e) sewage lagoon assumed to be 1,000 in leiu of documented value.
f) Area of collection sumps estimated as 10%
g) Stage-storage-area relationships estimated as an inverted tapezoidal prism fit to storage and area at full supply level.
h) Stage-storage- area relationship estimated as cylindrical tank.
i) Minimum storage estimated as approximately 10% of flood storage. Minimum storage maintained at all times to accommodate WQ calculation.
j) Operating storage estimated as approximately 10% of flood storage.

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Table C-7: Treatment

Input Variable \ Treatment	Effluent Treatment Plant	Mine and Runoff Water Pre-Treatment	Enhanced Effluent Post Treatment	Process Plant	Underground Tailings Management Facility
Element ID	**T01**	**T02**	**T03**	**T04**	**T05**
Treatment Efficiency - Metals	Ref20[e]	Not Used[a]	Not Used[a]	Ref20[e]	Not Used[f]
Treatment Efficiency - Radionuclides	Ref20[e]	Not Used[a]	Not Used[a]	Ref20[e]	Not Used[f]
Treatment Efficiency - Major Ions	Ref20[e]	Not Used[a]	Not Used[a]	Ref20[e]	Not Used[f]
Water quality scaling factors	Ref20[e]	Not Used[a]	Not Used[a]	Ref20[e]	Not Used[f]
Material reactivity	Ref20[e]	Not Used[a]	Not Used[a]	Ref20[e]	Not Used[f]
Operations schedule	Continuous[b]	Not Used[a]	Not Used[a]	Continuous[b]	Not Used[f]
Operational efficiency	100%[c]	Not Used[a]	Not Used[a]	100%[c]	Not Used[f]
Operational utility	100%[d]	Not Used[a]	Not Used[a]	100%[d]	Not Used[f]

Notes:

a. A pre- and post-treatment enhancement study is currently being contemplated by NexGen to evaluate optimization potential for effluent treatment plant water quality. Findings of this study may influence effluent water quality and design configurations.
b. Operational schedule for the Application case is assumed to be continuous.
c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
d. In the Application case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
e. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms.
f. Groundwater interaction with the UGTMF is accounted for in Rook I Solute Transport Modelling.

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Table C-8: Consumption

Input Variable \ Consumption	Surface Use (Potable Water - Mine Dry, Potable Water - Process Plant Dry, Camp)	Surface Use (Wash Bay)	Surface Industrial Use (Freeze Plant , Batch Plant , Misc. (roads, fire)	Process Plant Consumption (Paste Plant 1, Paste Plant 2, Circuits, Acid Plants and Boilers)[a]	Underground Waste Disposal
Element ID	**C01**	**C02**	**C03**	**C04**	**C05**
Water consumption rates (m^3/hr)	4; Ref 17	1; Ref 17	7; Ref 17	0; Ref17	49; Ref 17

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Table C-9: Assessment Points

Input Variable / Assessment Point	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Process Plant	Post UGTMF Groundwater Discharge	Pre- Process plant	Pre-East Freshwater Diversion
Element ID	**SP01**	**SP02**	**SP03**	**SP04**	**SP05**	**SP06**	**SP07**	**SP08**	**SP09**
Operating Rule	Overflow	1[a]	Overflow	1[b]	None	None	None	Not Used	Not Used
Flow Rate Threshold (m^3/hr)	None	None	None	None	None	None	None	Not Used	Not Used
Threshold for Water Major Ions Input	None	Ref26	None	Ref26	None	None	None	Not Used	Not Used
Thresholds for Water Metals Input	None	Ref26	None	Ref26	None	None	None	Not Used	Not Used
Thresholds for Water Radionuclides Input	None	Ref26	None	Ref26	None	None	None	Not Used	Not Used

Notes:

a. SP02 Rule 1 - If water quality (COPC's) exceeds thresholds for discharge to the environment, then activate pumping to P/S06 Settling Pond via P40.

b. SP04 Rule 1 - If water quality (COPC's) exceeds thresholds for discharge to the environment, then activate pumping to P/S06 Settling Pond via P26.

UGTMF = underground tailiings management facillity.

Table C-10: Discharge

Input Variable \ Discharge	Q01 West Surface Runoff Discharge	Q02 Effluent Discharge	Q03 Domestic Sewage Discharge	Q04 Groundwater Discharge	Q05 East Perimeter Freshwater Diversion Discharge	Q06 South Perimeter Freshwater Diverison Discharge	Q07 West Perimeter Freshwater Diversion Discharge
Batch release pumping rate (m^3/hr)	N/A	833; Ref14	N/A	N/A	N/A	N/A	N/A
Batch release duration (hrs)	N/A	6[a]; Ref14	N/A	N/A	N/A	N/A	N/A
Nominal discharge rate (m^3/hr)	N/A	380; Ref17	6.2; Ref17	N/A	N/A	N/A	N/A
Operation schedule	Continuous	Batch Sequence[b]	Conitnuous[e]	Continuous	Continuous	Continuous	Continuous
Operation efficiency	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operation utility	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]

Notes:

a. Batch release emptying time is based on a six hour target to empty one of the four treated effluent ponds.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Sewage lagoons expected to have continuous operation at nominal discharge rate.

Table C-11: Pumping Flows

Input Variable \ Pumping from : to	Post Treated Effluent Monitoring Ponds to Effluent Discharge	Treated Effluent Tank to Treated Effluent Pond #1	Ore Stockpile Collection Sump to Settling Pond	Special Waste Collection Sump to Settling Pond	North Freshwater Intake to Surface Use Wash Bay	North Freshwater Intake to Surface Industrial Use	North Freshwater Intake to Effluent Treatment Plant	North Freshwater Intake to Underground Activities	Industrial Surface Use to Settling Pond	Underground Equipment to Underground Main Sump	Shotcrete Line Flushing to Underground Main Sump
ElementID	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11
Pumping Rate (m^3/hr)	833; Ref14	275; Ref17	Demand as function of storage	Demand as function of storage	1; Ref 17	7; Ref17	14; Ref17	33; Ref17	4.57; Ref17	45; Ref17	5; Ref17
Pumping Rate (m^3/day)	19,992	6,600	600	600	24	168	336	792	110	1,080	120
Pumping Capacity (m^3/hr)	Pumping Rate	8,856	1.5 x Pumping Rate[g]	1.5 x Pumping Rate[g]	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate
Operating Rule	Acceptable Quality[a]	Continuous	Operating Range	Operating Range	Demand as function of activities	Demand as function of activities	N/A	N/A	N/A	N/A	N/A
Operation Schedule	Batch Sequence[b]	Continuous	Batch	Batch	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Operation Efficiency	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operation Utility	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]
Operational Triggers	SP02 PERT	If Contingency Pond (P/S05) is full, Pump at Capacity.	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FSL = full supply level; MOWL = Maximum Operating Water Level; PERT = Proposed environmental release targets;

Notes:

a. If water quality exceeds thresholds for discharge to the environment, then activate pumping to Settling Pond.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Pumps turn on at routine pumping rate when storage exceeds Minimum Storage

f. Pumps switch from the routine pumping rate to pump at the Pumping Capacity Rate operational trigger met.

g. Pumps turn off when at Minimum Storage. Pumping in one time step capped so that available water only is pumped.

Table C-11: Pumping Flows

Input Variable \ Pumping from : to	Paste Line Flushing to Underground Main Sump	Underground Main Sump to Settling Pond	Underground Below Sump to Settling Pond	Groundwater Inflow to Backfill to Underground Below Sump	Groundwater Inflow to Shafts to Underground Below Sump	Groundwater Inflow to Underground Workings to Underground Below Sump	Treated Effluent Tank to Process Plant	Settling Pond to Process Plant	North Freshwater Intake to Process Plant	Process Plant to Underground Waste Disposal	Process Plant to Effluent Treatment Plant
ElementID	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22
Pumping Rate (m^3/hr)	4; Ref17	158; Ref17		4; Ref17	30; Ref17	70; Ref17	See P39	147; Ref17	123; Ref17	49; Ref17	231; Ref17
Pumping Rate (m^3/day)	96	3,792	3,792	96	720	1,680	See P39	3,528	2,952	Function of Ore Production. Garduated up to Pumping Rate.	Function of Ore Production. Graduated up to Maximum Pumping Rate.
Pumping Capacity (m^3/hr)	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	See P39	1.5 x Pumping Rate[g]	Pumping Rate	Pumping Rate	Pumping Rate
Operating Rule	N/A	Continuous	Continuous	Continuous	Continuous	Continuous	See P39	Continuous	Continuous	Continuous	Continuous
Operation Schedule	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	See P39	Continuous	Continuous	Continuous	Continuous
Operation Efficiency	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	See P39	100%[c]	100%[c]	100%[c]	100%[c]
Operation Utility	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	See P39	100%[d]	100%[d]	100%[d]	100%[d]
Operational Triggers	N/A	N/A	N/A	N/A	N/A	N/A	See P39	Storage Range 10% to 90% Storage[e]	Governed to make up P21 demand based on P18 and P19.	N/A	N/A

FSL = full supply level; MOWL = Maximum Operating Water Level; PERT = Proposed environmental release targets;

Notes:

a. If water quality exceeds thresholds for discharge to the environment, then activate pumping to Settling Pond.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Pumps turn on at routine pumping rate when storage exceeds Minimum Storage

f. Pumps switch from the routine pumping rate to pump at the Pumping Capacity Rate operational trigger met.

g. Pumps turn off when at Minimum Storage. Pumping in one time step capped so that available water only is pumped.

Table C-11: Pumping Flows

Input Variable \ Pumping from : to	PAG Runoff Collection Area to Settling Pond	Site Runoff Pond #1 to Settling Pond	Post Sewage Treatment Lagoons to Domestic Sewage Discharge	Surface Runoff Pond #2 to Settling Pond	Contingency Pond to Settling Pond	Effluent Treatment Plant Sump to Settling Pond	Effluent Treatment Plant to Treated Effluent Tank	Treated Effluent Tank to Underground Activities	Mine Runoff Water Pre-Treatment to Effluent Treatment Plant	Enhanced Effluent Post-Treatment to Effluent Treatment Plant
ElementID	P23	P24	P25	P26	P27	P28	P29	P30	P31	P32
Pumping Rate (m^3/hr)	25; Ref 17	25; Ref17	6.88;	Demand	Demand	Demand	306; Ref17	Not Used	Not Used	Not Used
Pumping Rate (m^3/day)	600	600	165; Ref 30	600	4992	Up to 90% ofP/S19 Storage	Demand (P07 + P41 + P33)	Not Used	Not Used	Not Used
Pumping Capacity (m^3/hr)	1.5 x Pumping Rate[g]	1.5 x Pumping Rate[g]	1.5 x Pumping Rate[g]	2.5 x Pumping Rate[g]	Pumping Rate	Pumping Rate	9600	Not Used	Not Used	Not Used
Operating Rule	Operating Range	Operating Range	Operating Range	Quality[a]	Storage based	Operating Range	Continuous	Not Used	Not Used	Not Used
Operation Schedule	Batch	Batch	Batch	Batch	Batch	Batch	Continuous	Not Used	Not Used	Not Used
Operation Efficiency	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	Not Used	Not Used	Not Used
Operation Utility	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	Not Used	Not Used	Not Used
Operational Triggers	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	Storage Range 10% to 80% Storage[f]	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	Active if storage > 0	Storage Range 10% to 80% Storage[e]	1. Maximum Pumping Rate < P07 + P41 + AP05, P07[g]	Not Used	Not Used	Not Used

FSL = full supply level; MOWL = Maximum Operating Water Level; PERT = Proposed environmental release targets;

Notes:

a. If water quality exceeds thresholds for discharge to the environment, then activate pumping to Settling Pond.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Pumps turn on at routine pumping rate when storage exceeds Minimum Storage

f. Pumps switch from the routine pumping rate to pump at the Pumping Capacity Rate operational trigger met.

g. Pumps turn off when at Minimum Storage. Pumping in one time step capped so that available water only is pumped.

Table C-11: Pumping Flows

Input Variable \ Pumping from : to	Settling Pond to Pre-Effluent Treatment Plant Feed	North Freshwater Intake Surface Use (Potable Water - Mine Dry, Potable Water - Process Plant Dry, Camp)	Fuel Farm Sump / Pond and Airport Fueling Pad Sump / Pond to Water / Oil Separator via Vac Truck	Water / Oil Separator to Settling Pond	Post Treated Effluent Monitoring Ponds to Settling Pond	Treated Effluent Tank to Underground Activities	Treated Effluent Tank to Pre-Process Plant	Post-Effluent Treatment Plant to Settling Pond	Post Process Plant to Effluent Treatment Plant
ElementID	P33	P34	P35	P36	P37	P38	P39	P40	P41
Pumping Rate (m^3/hr)	61; Ref 17	11.5	N/A	Demand	Not Used	21; Ref 17	10; Ref 17	20	See P22
Pumping Rate (m^3/day)	1464	276.2	Limit = 90% P/S12 Storage	Limit = 90% P/S17 Storage	Not Used	504	240	480	See P22
Pumping Capacity (m^3/hr)	3552	Pumping Rate	Pumping Rate	1.5 x Pumping Rate[g]	Not Used	Pumping Rate	Pumping Rate	Pumping Rate	See P22
Operating Rule	Continuous	Continuous	Operating Range	Operating Range	Not Used	Continuous	Continuous	SP02 Off Spec WQ	See P22
Operation Schedule	Continuous	Continuous	Batch	Batch	Not Used	Continuous	Continuous	Batch	See P22
Operation Efficiency	100%[c]	100%[c]	100%[c]	100%[c]	Not Used	100%[c]	100%[c]	100%[c]	See P22
Operation Utility	100%[d]	100%[d]	100%[d]	100%[d]	Not Used	100%[d]	100%[d]	100%[d]	See P22
Operational Triggers	1. Storage > Minimum Storage[e] 2. Storage > Operating Storage[f] 3. Storage < Minimum Storage[g]	N/A	Storage Range 10% to 80% Storage[e]	Storage Range 10% to 80% Storage[e]	Not Used	Minimum Storage in Treated Effluent Tank = 30% of Max Storage	Storage Range 10% to 80% Storage[e]	Storage Range 10% to 80% Storage[e]	See P22

FSL = full supply level; MOWL = Maximum Operating Water Level; PERT = Proposed environmental release targets;

Notes:

a. If water quality exceeds thresholds for discharge to the environment, then activate pumping to Settling Pond.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Pumps turn on at routine pumping rate when storage exceeds Minimum Storage

f. Pumps switch from the routine pumping rate to pump at the Pumping Capacity Rate operational trigger met.

g. Pumps turn off when at Minimum Storage. Pumping in one time step capped so that available water only is pumped.

Table C-11: Pumping Flows

Input Variable \ Pumping from : to	Effluent Treatment Plant to Effluent Treatment Plant Sump	Surface Use 1 to Settling Pond	Surface Use 1 to Sewage Treatment Lagoon West	Surface Use 1 to Sewage Treatment Lagoon East	Surface Use Wash Bay to Settling Pond	Underground Water Storage and Pre-Treatment to Settling Pond	Sewage Treatment Lagoon West to Assessment Point 3	Sewage Treatment Lagoon East to Assessment Point 3	Settling Pond to Contingency Pond
ElementID	P42	P43	P44	P45	P46	P47	P48	P49	P50
Pumping Rate (m^3/hr)	0; Ref 17	5.1	3.1	3.1	1.0; Ref17	P13+P17	3.44	3.44	Overflow Weir
Pumping Rate (m^3/day)	0	123	74	74	24	P13+P17	83	83	Overflow
Pumping Capacity (m^3/hr)	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	Pumping Rate	1.5 x Pumping Rate[g]	1.5 x Pumping Rate[g]	N/A
Operating Rule	N/A	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	MOWL
Operation Schedule	Batch	Continuous	Continuous	Continuous	Continuous	Continuous	Batch	Batch	Continuous
Operation Efficiency	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operation Utility	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]	100%[d]
Operational Triggers	N/A	N/A	N/A	N/A	-	-	Storage Range 10% to 90% Storage[e]	Storage Range 10% to 90% Storage[e]	Flow above freeboard.

FSL = full supply level; MOWL = Maximum Operating Water Level; PERT = Proposed environmental release targets;

Notes:

a. If water quality exceeds thresholds for discharge to the environment, then activate pumping to Settling Pond.

b. The operational schedule is expected to be ordered in a looped sequence between the four treated effluent ponds and contingency pond. When one pond is filled to FSL, additional water will be directed to the next pond in the sequence. Water from the ponds will be released in a batch mode and when empty will return to the looped sequence for filling. Ponds will not fill while being emptied.

c. In the Application case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

d. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

e. Pumps turn on at routine pumping rate when storage exceeds Minimum Storage

f. Pumps switch from the routine pumping rate to pump at the Pumping Capacity Rate operational trigger met.

g. Pumps turn off when at Minimum Storage. Pumping in one time step capped so that available water only is pumped.

Table C-12: Diversion Ditch

Upstream Element	Mill Island - North	Mill Island - South West	Mill Island - South East	Mine Island - West (Crusher,Hoist, Compression, Office / Dry and Diesel Fuel)	Haul Road Lined	Mine Island - South (the catchment bounded by Ore Storage and Mine Island)	Mine Island - South (the catchment bounded by Special Waste, Ore Storage, and PAG)	Mine Island - East (Laydown area, exhaust area, fire watertank / pumphouse)	Fresh Air Intake / Fan	Local Area South of the Surface Runoff Pond #1
Element ID	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-potentially acid generating.

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment.
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

Table C-12: Diversion Ditch

Upstream Element	Local Area South of the Surface Runoff Pond #1	Domestic and Industrial Waste Management Area	Waste Rock (NAG) Stockpile	Undeveloped area #4: The catchment bounded by Surface Runoff Pond #2, Domestic/Industrial Waste Management Area, Construction / Permanent Camp	Construction Laydown Area	Modular construction facility located north of the fuel farm and south of Mill Island	Construction / Permanent Camp	Potentially Acid Generating (PAG) stockpile - West Slope	Potentially Acid Generating (PAG) stockpile - North Slope	Potentially Acid Generating (PAG) stockpile - North East Slope
Element ID	D11	D20	D22	D24	D25	D26	D28	D43	D44	D45
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-pc

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment.
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

Table C-12: Diversion Ditch

Upstream Element	Non-Contained Airport Runoff	Explosives Magazine Storage	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	Diversion Ditch	Diversion Ditch	Diversion Ditch
Element ID	D51	D52	D60	D61	D70	D71	D80	D101	D102	D103
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-pc

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment.
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

Table C-12: Diversion Ditch

Upstream Element	Diversion Ditch	Diversion Ditch	Diversion Ditch	Diversion Ditch	Diversion Ditch	Diversion Ditch	Post West Bermed Runoff Collection Area to West Surface Runoff Discharge	West Bermed Runoff Collection Area to Post West Bermed Runoff Collection Area	Post Surface Runoff pond #2 to West Bermed Runoff Collection Area	Batch Plant Sand and Aggregate Sump
Element ID	D104	D105	D106	D107	D108	D109	D200	D201	D202	D203
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]		N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous		Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]		100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]		100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]		As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-pc

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment.
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

Table C-12: Diversion Ditch

Upstream Element	Diversion Ditch	Diversion Ditch	Diversion Ditch	Diversion Ditch to South Perimeter Diversion Discharge
Element ID	D402	D600	D601	D701
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable; PAG = potentially acid generating; NPAG = non-pc

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment.
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

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Table C-13: Gravity Transfer

Input Variable \ Gravity Transfer Outfall	R21 - Batch Plant Sand and Aggregate Storage Area	R23 - Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Contruction Laydown)	R27 - Lined portion of Fuel Farm	R30 - West Bermed Runoff Collection Area local catchment	R31 - Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R40 - Ore Stockpile	R41 - Special Waste Stockpile	R42 -Area 2	R50 - Contained Airport Runoff	Groundwater Discharge from UGTMF Bleed Water
Element ID	GT21	GT23	GT27	GT30	GT31	GT40	GT41	GT42	GT50	GT100
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]
Rating curves	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]	In = Out[a]

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment

b. Operational schedule and operatinal triggers as per the element active dates.

c. Base case assumes operation efficiency and operational utility at 100%

d. All routing rates expected to be sub-daily due to spatial extent of modelling domain

UGTMF = underground tailiIngs management facility.

APPENDIX D

Transitional Monitoring Stage and Far-Future Scenario Model Input Parameters

Table D-1: Table of Contents

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Table D-1	Table of Contents
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Table D-6	Pond/Storage
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Table D-2: References

Reference Number	Organization	Document Number	Revision	Description	Source
0	Golder	18114335-2750-2753	D	Climate Database Summary Memo	Golder (R. Phillips) 27 July 2020
1	Wood	203700-DD10-CAL-00001	B	Runoff Calculations for storm (2 hr, 1:100 24 hr, and PMP Events)	Wood (B. Pozniak) 08 December 2020
2	Not Used	Not Used	Not Used	Not Used	Not Used
3	Wood	2500-DD10-GAD-00001	D	General Site Drainage Plan	Wood (B. Pozniak) 27 November 2020
4	Not Used	Not Used	Not Used	Not Used	Not Used
5	Not Used	Not Used	Not Used	Not Used	Not Used
6	Wood	2100-DD10-SKT-00101	Revision in Progress	Site Runoff Calculations Working Sketch - Capture Areas	Wood (B. Pozniak) 26 January 2021
7	Wood	2100-DD10-SKT-00102	Revision in Progress	Ground Disturbance Working Sketch - Disturbance Extents	Wood (B. Pozniak) 26 January 2021
8	Golder	N/A	A	Golder Associates. 2019c. Regional Hydrological Characterization Report. NexGen Rook I Environmental Baseline Studies. (Date Accessed on 24 September 2019)	Golder (R.Phillips) 20 July 2020
9	Wood	0000-DD10-DSC-0001	2	Civil Design Criteria - Section 5.1	Wood (B.Pozniak) 03 November 2020
10	Golder	N/A	N/A	Hydrogeology EA Section - Existing Conditions	Golder (M. Tremblay) 2020
11	Golder	N/A	N/A	Hydrology EA Section - Existing Conditions	Golder (R. Phillips) 2020
12	Golder	N/A	N/A	Surface Water Quality EA Section - Existing Conditions	Golder (G. Van Arkle) 2020
13	CanNorth	CanNorth Rep no. 3008	0	CanNorth (Canada North Environmental Services Limited Partnership). 2019. Rook I Project Aquatic and Terrestrial Environmental Baseline Report - Draft Report. Perrpared for NexGen Energy Ltd. Report Number 3008. Pp. 815	CanNorth (K.Wells) 2019
14	Wood	N/A	N/A	Boehm, A. 2019a. Personal Communication by Email on 12 July 2019.	Wood (A. Boehm) 12 July 2019
15	Wood	N/A	N/A	Boehm, A. 2019b. Personal Communication by Email on 25 July 2019.	Wood (A. Boehm) 25 July 2019
16	BGC	1762004	Final	BGC (BGC Engineering Inc.). 2020. Water Rock Storage Area Infiltration Modelling - Final. Document Number 1762004. Pp. 18	NexGen (K. Bonstrom) July 2020
17	Wood	0000-DC10-BFD-00020	D	0000-DC10-BFD-00020_RevD .pdf. Process Water Balance Block Flow Diagram North Area. Prepared by NexGen (or their engineering consultants) and provided to Golder on 08 December 2020.	Wood (P.O'Hara) 12 January 2021
18	Wood	0000-DC10-BFD-00040	A	0000-DC10-BFD-00040_RevA.pdf. Process Water Balance Block Flow Diagram West Area. Prepared by NexGen (or their engineering consultants) and provided to Golder on 27 November 2020.	Wood (P.O'Hara) 12 January 2021
19	Golder	GAL-209-18114335	A	Golder. 2020. Rook I Project: Groundwater Chemistry Baseline - Draft. November 2020. Pp. 563.	Golder (Colin Higgins January 2021)
20	Wood	100303-0000-BA10-RPT-0003	C	Rook I Prefeasibility Report - Table 7-4: Effluent Treatment Results	A. Lieu (12 January 2021)
21	Not Used	Not used	Not Used	Not Used	Not Used
22	Okane	1219-01-007	3	Okane (Okane Consultants). 2020. Rook I WRSA – 1-Dimensional Numerical Modelling of WRSA End-Members. Document Number: 1219-01-007 Rev 3. Pp. 12	NexGen (K. Bonstrom) July 2020
23	Okane	N/A	N/A	WR Loading and WBs (Oct 27 2020) Excel File (accompanying report reference 22)	NexGen (K. Bonstrom January 2021)
24	Golder	*****	0	Golder. 2021. NexGen Rook I Project - Source Terms for Ore and Special Waste Facilities.	Golder (Nico Bezuidenhout January 2021)
25	Golder	******	N/A	Solute Transport Modeling Results	Golder (Mike Tremblay) 15 March 2021
26	Golder	GAL-100-18114335	1	Conceptual Diffuser Design Report for the Rook I Project	Golder (December 2019)
27	Okane	1219-002-011	N/A	Rook I Borrow Material Geochemical Analysis	Okane (J. Robertson) 6 December 2020
28	NexGen	N/A	N/A	UG Process Water Consumption 011521.xlsx	NexGen (K. Bonstrom) 12 January 2021
29	RPA	3166	2	RPA Arrow Deposit Updated EA Plan	RPA (D. Robson) 30 June 2020
30	Stantec	N/A	N/A	Re: Golder RFI - Sewage Outfall	Stantec (Mark Hatton) 07 May 2021
31	SRK	Compiled_WR_Srouce_Terms-Issue_to_NexGen_1NC034.002_JAC_Rev10-DRAFT 29Mar21	Rev10	Compiled Waste Rock Source Terms	SRK (Jeff Clarke) 29 March 2021
32	SRK	Compiled_UG_Source_Terms-Issue_to_NexGen_1NC034.002_JAC_Rev01 (002)	Rev1	Compiled Underground Source Terms	SRK (Jeff Clarke) 27 November 2020
33	Golder	GAL-039-2044150-REP NexGen UGTMF and Stope Source-Term Specialist Report_Draft.pdf	N/A	Rook I Project - Source-Term Derivation for Tailings Disposal	Golder (Nico Bezuidenhout) January 2021

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Table D-3a: Source - Runoff - Disturbed Area Catchments

Input Variable \ Disturbed Area Catchment	Waste Rock (NAG) Stockpile	Area 2	Potentially Acid Generating (PAG) stockpile - West Slope	Potentially Acid Generating (PAG) stockpile - North Slope	Potentially Acid Generating (PAG) stockpile - North East Slope
ElementID	**R22**	**R42**	**R43**	**R44**	**R45**
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0
Catchment area	505,300; Ref6[b]	58,686; Ref17[d]	87,433; Ref6[a]	87,433; Ref6[a]	87,433; Ref6[a]
Land use distribution	Enigneered Cover	Enigneered Cover	Enigneered Cover	Enigneered Cover	Enigneered Cover
Runoff coefficient	0.95 Ref22	0.95 Ref22	0.95 Ref22	0.95 Ref22	0.95 Ref22
Liner Presence / Absence (P = Present; A = Absent)	A[b]; Ref 22	A[b]; Ref 22	A[b]; Ref 22	A[b]; Ref 22	A[b]; Ref 22
Runoff pH	Ref23[c]	Ref12[c]	Ref23[c]	Ref23[c]	Ref23[c]
Runoff major ions inputs	Ref23[c]	Ref12[c]	Ref23[c]	Ref23[c]	Ref23[c]
Runoff metals inputs	Ref23[c]	Ref12[c]	Ref23[c]	Ref23[c]	Ref23[c]
Runoff radionuclides inputs	Ref23[c]	Ref12[c]	Ref23[c]	Ref23[c]	Ref23[c]
Seepage rates	0[e]	0[e]	0[e]	0[e]	0[e]

Notes:

a. Total area for PAG Stockpile Area (EA), 262,320 m^2 divided evenly into three sub-catchments.

b. Total area for NPAG Stockpile Area (EA)

c. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms

d. The footprint area of PAG Runoff Collection Area (P/S07) is assumed to be added to R42 (Area 2) at closure.

e. Water that infiltrates into the pile is assumed to percolate through the liner and report to Patterson Lake via groundwater pathways accounted for by the Solute Transport Model

Table D-3b: Source - Runoff - Undisturbed Area Catchments

Input Variable \ Natural Area Catchment	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area
Element ID	**R60**	**R61**	**R70**	**R71**	**R80**
Climate data	Ref0	Ref0	Ref0	Ref0	Ref0
Catchment area	15,000; PH	15,000; PH	25,000; PH	25,000; PH	25,000; PH
Runoff coefficient	0.15 Ref1	0.15 Ref1	0.15 Ref1	0.15 Ref1	0.15 Ref1
Liner Presence / Absence	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3	A; Ref 3
Runoff pH	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]
Runoff major ions input	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]
Runoff metals input	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]
Runoff radionuclides input	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]	Ref12[a]

PH = Placeholder

Notes:

a. Detailed source input values for water quality (i.e. mass per unit volume) or mass load (i.e. mass per unit time) assigned to each source are presetned in Appendix E: Source Terms

Table D-4: Source - Groundwater Inflow

Input Variable \ Groundwater Outflow	Groundwater contribution upstream of UGTMF	Groundwater contribution downstream of UGTMF
ElementID	**G04**	**G05**
Groundwater Flow Rates (m^3/hr)	Not Used	Not Used
Groundwater Quality pH	Not Used	Not Used
Groundwater Water Major Ions Input	Not Used	Not Used
Groundwater Water Metals Input	Not Used	Not Used
Groundwater Water Radionuclides Input	Not Used	Not Used

Table D-5: Source - Surface Water Intake

Input Variable \ Fresh water Intake	Not Used
ElementID	N/A
Pumping Rate (m^3/hr)	N/A
Ambient Water Quality pH	N/A
Ambient Water Major Ions Concentration	N/A
Ambient Water Metals Concentration	N/A
Ambient Water Radionuclides Concentration	N/A
Operational Schedule	N/A
Operational Efficiency	N/A
Operational Utility	N/A

N/A = Not Applicable

Table D-6: Pond/Storage

Input Variable \ Ponds	Not Used
Element ID	**N/A**
Climate data	N/A
Pond area	N/A
Evaporation	N/A
Minimum Storage or Water Level	N/A
Maximum Storage or Water Level	N/A
Initial Conditions (Water Level)	N/A
Liner Presence/Absence (P = Present; A = Absent)	N/A
Seepage rates	N/A
Stage-Storage-Area Relationship	N/A

N/A = not applicable.

Table D-7: Treatment

Input Variable \ Treatment	Underground Tailings Management Facility
Element ID	**T05**
Treatment Efficiency - Metals	Ref25[a]
Treatment Efficiency - Radionuclides	Ref25[a]
Treatment Efficiency - Major Ions	Ref25[a]
Water quality scaling factors	Ref25[a]
Material reactivity	Ref25[a]
Operations schedule	Ref25[a]
Operational efficiency	Ref25[a]
Operational utility	Ref25[a]

Notes:

a. To be populated with information from Solute Transport modeling

Table D-8: Consumption

Input Variable \ Consumption	Not Used
Element ID	**N/A**
Water consumption rates (m^3/hr)	N/A
Maximum retention capacity	N/A

Table D-9: Assessment Points

Input Variable / Assessment Point	Waste Rock Cover Runoff	Post UGTMF Groundwater Discharge	Pre-east Freshwater Diversion
Element ID	**AP01**	**AP07**	**AP09**
Operating Rule	N/A	N/A	N/A
Flow Rate Threshold (m^3/hr)	N/A	N/A	N/A
Threshold for Water Major Ions Concentration	N/A	N/A	N/A
Thresholds for Water Metals Concentration	N/A	N/A	N/A
Thresholds for Water Radionuclides Concentration	N/A	N/A	N/A

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Table D-10: Discharge

Input Variable \ Discharge	West Surface Runoff Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion Discharge	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
	Q01	Q04	Q05	Q06	Q07
Batch release pumping rate (m^3/hr)	N/A	N/A	N/A	N/A	N/A
Batch release duration (hrs)	NA	N/A	N/A	N/A	N/A
Nominal discharge rate (m^3/hr)	N/A	N/A	N/A	N/A	N/A
Operation schedule	Continuous	Continuous	Continuous	Continuous	Continuous
Operation efficiency	100%[a]	100%[a]	100%[a]	100%[a]	100%[a]
Operation utility	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]

Notes:

a. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"

b. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"

Table D-11: Pumping Flows

Input Variable \ Pumping from : to	Not Used
ElementID	Not Used
Pumping Rate (m^3/hr)	N/A
Pumping Capacity (m^3/hr)	N/A
Operating Rule	N/A
Operation schedule	N/A
Operation efficiency	N/A
Operation utility	N/A
Operational triggers	N/A

FSL = full supply level; NOWL = normal operating level

Table D-12: Diversion Ditch

Upstream Element	Waste Rock (NAG) Stockpile	Post West Bermed Runoff Collection Area	Diversion Ditch	Potentially Acid Generating (PAG) stockpile - West Slope	Potentially Acid Generating (PAG) stockpile - North Slope	Potentially Acid Generating (PAG) stockpile - North East Slope	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undeveloped Area - Contributing to Freshwater Diversion around PAG Area	Undisturbed catchment south of the NPAG Waste Rock Stockpile	Undisturbed catchment south of the NPAG Waste Rock Stockpile
Element ID	D22	D201	D202	D43	D44	D45	D60	D61	D70	D71
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable, NAG =non acid generating ; PAG = potentially acid generating, NPAG = non-potentially acid generating.

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

Table D-12: Diversion Ditch

Upstream Element	Undisturbed catchment north of explosive area access road diverted around West Bermed Runoff Collection Area	D400 Diversion Ditch	D401 Diversion Ditch	D402 Diversion Ditch	D600 Diversion Ditch	D601 Diversion Ditch	D701 Diversion Ditch
Element ID	D80	D400	D401	D402	D600	D601	D701
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]	As per Active Years[d]
Rating curves	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]	Standard Rating Curve[e]

N/A = Not applicable, NAG =non acid generating ; PAG = potentially acic

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment
b. In the base case, operational efficiency is assumed to be 100%. Operational efficiency may be varied to test "operational what-if's"
c. In the base case, operational utility is assumed to be 100%. Operational utility may be varied to test "operational what-if's"
d. Operational triggers associated with active years. Sub-annual operatinal triggers can be added if warranted.
e. Standard rating curve developed based on the Civil Design Criteria for Ditches and Swales - 0000-DD10-DSC-0001 Rev2.

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Table D-13: Gravity Transfer

Input Variable \ Gravity Transfer Outfall	R21 - Batch Plant Sand and Aggregate Storage Area	R23 - Undisturbed catchment bounded by Access Road, Batch Plant and Aggregate Storage Area, Waste Rock NAG, and Contruction Laydown)	R27 - Lined portion of Fuel Farm	R30 - West Bermed Runoff Collection Area local catchment	R31 - Undisturbed catchment bounded by construction / permanent camp and the west runoff containment berm	R42 -Area 2
Element ID	GT21	GT23	GT27	GT30	GT31	GT42
Seepage rates	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]	N/A[a]
Operation schedule	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous	Uncontrolled Continuous
Operation efficiency	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]	100%[b]
Operation utility	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]	100%[c]
Operational triggers	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]	N/A[b]
Rating curves	In = Out[d]	In = Out[d]	In = Out[d]	In = Out[d]	In = Out[d]	In = Out[d]

Notes:

a. Seepage rate accounted for in the runoff coefficient for the source catchment
b. Operational schedule and operatinal triggers as per the element active dates.
c. Base case assumes operation efficiency and operational utility at 100%
d. All routing rates expected to be sub-daily due to spatial extent of modelling domain

APPENDIX E

Site Water Quality Model Geochemical and Water Quality Source Terms

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Table E-1: Base Case Project Period Inputs

Parameter	Unit	Fresh Water Intake	Undisturbed Areas	Ore Stockpile	Special Waste Stockpile	Groundwater	PAG WRSA	Non-PAG WRSA	Sewage Discharge	Disturbed Areas	Post-mill Addition	Treatment Efficiency	Low Treatment Efficiency	Alternative WRSA
Aluminum	mg/L	0.0038	0.0038	0.0077	0.00022	0.012	0.0039	0.0038	0.0038	0.053	3670	99.996%	98.996%	0.0039
Arsenic	mg/L	0.000095	0.000095	0.16	0.060	0.0023	0.017	0.029	0.000095	0.00060	7.3	99.247%	98.254%	0.038
Calcium	mg/L	3.6	3.6	0.41	0.77	2102	42	33	3.6	0.85	456	0.000%	0.000%	52
Cadmium	mg/L	0.0000049	0.0000049	0.012	0.013	0.000070	0.0029	0.00014	0.0000049	0.000050	0.014	99.929%	98.929%	0.0014
Chloride	mg/L	0.57	0.57	11	12	343	120	140	0.57	1.5	0	0.000%	0.000%	200
Cobalt	mg/L	0.000050	0.000050	0.0023	0.0019	0.0023	1.6	0.0029	0.000050	0.0010	4.7	99.885%	98.886%	0.71
Chromium	mg/L	0.00020	0.00020	0.0028	0.0031	0.00025	0.012	0.0044	0.00020	0.00025	4.7	99.989%	98.989%	0.010
Copper	mg/L	0.00012	0.00012	0.25	0.093	0.0011	0.72	0.011	0.00012	0.00020	58	99.991%	98.991%	1.5
Iron	mg/L	0.086	0.086	0.000079	0.00024	3.9	0.015	1.8	0.086	0.030	1710	99.998%	98.998%	8.9
Mercury	mg/L	0.0000014	0.0000014	0.00011	0.00012	0.0000030	0.00073	0.00044	0.0000014	0.0000045	0	0.000%	0.000%	0.00077
Magnesium	mg/L	1.2	1.2	2.7	3.7	421	42	3.7	1.2	0.25	0	0.000%	0.000%	23
Manganese	mg/L	0.021	0.021	0.065	0.073	0.11	0.78	0.046	0.021	0.090	15	99.873%	98.875%	0.39
Molybdenum	mg/L	0.000053	0.000053	429	159	0.033	0.037	0.027	0.000053	0.00010	5.0	99.884%	98.885%	0.044
Sodium	mg/L	1.4	1.4	260	137	879	3.4	1.8	1.4	0.45	885	0.000%	0.000%	3.4
Ammonia_as_N	mg/L	0.022	0.022	0.82	0.85	0	0	0	362	0.20	0	0.000%	0.000%	0
Nickel	mg/L	0.000073	0.000073	0.00034	0.00066	0.0076	0.69	0.0061	0.000073	0.0013	19	99.925%	98.926%	0.31
Nitrate_as_N	mg/L	0.090	0.090	0.036	0.017	0.040	0	0	700	0.045	0	0.000%	0.000%	0
Phosphorus	mg/L	0.0075	0.0075	0.19	0.19	0.025	0.19	0.19	1.2	0.0016	0	0.000%	0.000%	0.19
Lead	mg/L	0.000047	0.000047	3.3E-08	6.5E-08	0.0041	0.00014	0.00010	0.000047	0.000050	7.8	99.999%	98.999%	0.00010
Lead_210	mg/L	4.6E-12	4.6E-12	1.3E-08	1.5E-09	1.4E-11	7.1E-11	7.1E-11	4.6E-12	3.6E-12	0	0.000%	0.000%	7.1E-11
Polonium_210	mg/L	2.1E-14	2.1E-14	2.3E-10	2.7E-11	5.9E-14	5.3E-13	5.3E-13	2.1E-14	1.5E-14	0	0.000%	0.000%	5.3E-13
Radium_226	mg/L	1.2E-10	1.2E-10	0.00000045	8.3E-08	2.7E-10	3.0E-08	3.0E-08	1.2E-10	6.8E-11	0.0000025	99.849%	98.851%	3.0E-08
Selenium	mg/L	0.000047	0.000047	0.0073	0.0031	0.000050	0.042	0.0028	0.000047	0.000050	0.11	99.273%	98.280%	0.022
Sulphate	mg/L	1.5	1.5	150	120	0.80	470	92	1.5	2.0	2900	0.000%	0.000%	300
Strontium	mg/L	0.030	0.030	0.17	0.18	2.2	0.46	0.18	0.030	0.010	0	0.000%	0.000%	0.39
Thorium_230	mg/L	6.3E-09	6.3E-09	0.00000021	2.3E-08	2.6E-08	0.00000039	0.00000039	6.3E-09	6.6E-09	0	0.000%	0.000%	0.00000039
Uranium	mg/L	0.000051	0.000051	1.3	0.44	0.000050	0.57	0.57	0.000051	0.000050	1.3	99.462%	98.467%	0.57
Vanadium	mg/L	0.00015	0.00015	0.0040	0.0063	0.00010	0.010	0.0088	0.00015	0.00020	33	99.992%	98.992%	0.013
Zinc	mg/L	0.00080	0.00080	0.011	0.036	0.14	0.48	0.093	0.00080	0.0035	1.9	99.874%	98.875%	0.31

PAG = potentially acid generating
WRSA = waste rock storage area

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Table E-2: Upper Case Project Period Inputs

Parameter	Unit	Freshwater Intake	Undisturbed Areas	Ore Stockpile	Special Waste Stockpile	Groundwater	PAG WRSA	Non-PAG WRSA	Sewage Discharge	Disturbed Areas	Post-Mill Addition	Treatment Efficiency	Low Treatment Efficiency	Alternative WRSA
Aluminum	mg/L	0.010	0.010	1.8	2.1	0.19	0.0040	0.0038	0.0038	0.053	3670	99.996%	98.996%	0.0039
Arsenic	mg/L	0.00013	0.00013	1.2	0.45	0.018	0.026	0.044	0.000095	0.00060	7.3	99.247%	98.254%	0.038
Calcium	mg/L	4.0	4.0	83	69	3688	63	50	3.6	0.85	456	0.000%	0.000%	52
Cadmium	mg/L	0.000010	0.000010	0.091	0.100	0.00067	0.0044	0.00021	0.0000049	0.000050	0.014	99.929%	98.929%	0.0014
Chloride	mg/L	1.0	1.0	81	89	12370	170	210	0.57	1.5	0	0.000%	0.000%	200
Cobalt	mg/L	0.00010	0.00010	0.017	0.014	0.0070	2.4	0.0044	0.000050	0.0010	4.7	99.885%	98.886%	0.71
Chromium	mg/L	0.00050	0.00050	0.047	0.052	0.0025	0.019	0.0066	0.00020	0.00025	4.7	99.989%	98.989%	0.010
Copper	mg/L	0.00050	0.00050	1.5	0.56	0.0032	0.83	0.016	0.00012	0.00020	58	99.991%	98.991%	1.5
Iron	mg/L	0.46	0.46	4.6	5.2	16	0.016	2.7	0.086	0.030	1710	99.998%	98.998%	8.9
Mercury	mg/L	0.0000040	0.0000040	0.00080	0.00088	0.0000079	0.0011	0.00066	0.0000014	0.0000045	0	0.000%	0.000%	0.00077
Magnesium	mg/L	1.4	1.4	20	28	428	64	5.5	1.2	0.25	0	0.000%	0.000%	23
Manganese	mg/L	0.057	0.057	0.48	0.55	1.9	1.2	0.069	0.021	0.090	15	99.873%	98.875%	0.39
Molybdenum	mg/L	0.00010	0.00010	2663	1064	0.16	0.055	0.040	0.000053	0.00010	5.0	99.884%	98.885%	0.044
Sodium	mg/L	1.5	1.5	17	22	1595	5.2	2.7	1.4	0.45	885	0.000%	0.000%	3.4
Ammonia_as_N	mg/L	0.053	0.053	6.7	7.4	0	0	0	362	0.20	0	0.000%	0.000%	0
Nickel	mg/L	0.00050	0.00050	0.39	0.24	0.031	1.0	0.0091	0.000073	0.0013	19	99.925%	98.926%	0.31
Nitrate_as_N	mg/L	0.50	0.50	1.1	1.2	0.32	0	0	700	0.045	0	0.000%	0.000%	0
Phosphorus	mg/L	0.050	0.050	0.45	0.45	0.21	0.45	0.45	1.2	0.0016	0	0.000%	0.000%	0.19
Lead	mg/L	0.00010	0.00010	0.53	0.028	0.031	0.00013	0.000084	0.000047	0.000050	7.8	99.999%	98.999%	0.00010
Lead_210	mg/L	1.3E-11	1.3E-11	9.6E-08	1.1E-08	3.6E-11	7.1E-11	7.1E-11	4.6E-12	3.6E-12	0	0.000%	0.000%	7.1E-11
Polonium_210	mg/L	1.1E-13	1.1E-13	1.7E-09	2.0E-10	5.9E-14	5.3E-13	5.3E-13	2.1E-14	1.5E-14	0	0.000%	0.000%	5.3E-13
Radium_226	mg/L	2.7E-10	2.7E-10	0.0000033	0.00000062	0.00000024	3.0E-08	3.0E-08	1.2E-10	6.8E-11	0.0000025	99.849%	98.851%	3.0E-08
Selenium	mg/L	0.00010	0.00010	0.054	0.023	0.00050	0.063	0.0043	0.000047	0.000050	0.11	99.273%	98.280%	0.022
Sulphate	mg/L	1.7	1.7	894	713	3.3	700	140	1.5	2.0	2900	0.000%	0.000%	300
Strontium	mg/L	0.032	0.032	1.3	1.4	95	0.69	0.27	0.030	0.010	0	0.000%	0.000%	0.39
Thorium_230	mg/L	1.3E-08	1.3E-08	0.0000016	0.00000017	2.6E-08	0.00000039	0.00000039	6.3E-09	6.6E-09	0	0.000%	0.000%	0.00000039
Uranium	mg/L	0.00010	0.00010	795	44	0.00050	0.57	0.57	0.000051	0.000050	1.3	99.462%	98.467%	0.57
Vanadium	mg/L	0.00050	0.00050	0.70	0.68	0.0012	0.015	0.013	0.00015	0.00020	33	99.992%	98.992%	0.013
Zinc	mg/L	0.0030	0.0030	0.084	0.27	0.97	0.73	0.14	0.00080	0.0035	1.9	99.874%	98.875%	0.31

PAG = potentially acid generating
WRSA = waste rock storage area

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Table E-3: Underground Rock Wall Project Period Inputs

Operating Year	Aluminum	Arsenic	Calcium	Cadmium	Chloride	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenun	Sodium	mmonia_as_	Nickel	Nitrate_as_N	Phosphorus
	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	kg/year	mg/L
-4	6.1	0.036	46	0.00057	89	0.22	0.020	0.19	17	0.00063	16	0.094	0.15	8.6	0	0.11	0	0.027
-3	20	0.067	120	0.0015	210	0.55	0.062	0.46	49	0.0014	45	0.24	0.44	28	0	0.31	0	0.027
-2	32	0.21	260	0.0042	470	0.61	0.10	0.59	79	0.0034	82	0.45	6.2	47	0	0.39	0	0.027
-1	53	0.67	590	0.024	1100	1.1	0.17	1.2	140	0.0085	170	1.2	54	79	0	0.74	0	0.027
1	86	1.3	940	0.083	1900	2.3	0.24	3.0	200	0.015	310	3.1	210	120	0	1.7	0	0.027
2	130	2.1	1300	0.17	2900	3.5	0.37	4.6	290	0.021	460	4.8	420	180	0	2.7	0	0.027
3	160	2.7	1700	0.21	3600	4.4	0.46	5.7	370	0.027	570	5.9	530	230	0	3.4	0	0.027
4	190	3.3	2000	0.28	4300	5.8	0.56	7.1	450	0.032	680	7.1	730	280	0	4.3	0	0.027
5	200	3.7	2100	0.34	4600	6.2	0.59	7.8	460	0.034	730	7.9	880	310	0	4.7	0	0.027
6	200	3.8	2100	0.36	4700	6.3	0.60	7.8	470	0.035	740	8.1	930	310	0	4.8	0	0.027
7	200	3.8	2100	0.36	4700	6.3	0.60	7.8	470	0.035	740	8.1	930	310	0	4.8	0	0.027
8	200	3.8	2100	0.36	4700	6.3	0.60	7.8	470	0.035	740	8.1	930	310	0	4.8	0	0.027
9	210	3.8	2200	0.36	4700	6.4	0.60	7.9	470	0.035	740	8.1	940	310	0	4.8	0	0.027
10	220	4.3	2500	0.39	5400	6.9	0.66	8.4	510	0.041	810	8.9	990	340	0	5.1	0	0.027
11	230	5.0	2800	0.47	6100	7.9	0.71	9.6	550	0.046	890	10	1200	370	0	5.8	0	0.027
12	240	5.7	3100	0.56	6700	8.3	0.75	10	560	0.050	950	11	1500	400	0	6.3	0	0.027
13	250	6.4	3200	0.65	7100	8.7	0.78	11	580	0.053	990	12	1700	430	0	6.6	0	0.027
14	250	6.8	3300	0.73	7400	8.9	0.80	11	590	0.055	1000	12	1900	450	0	6.9	0	0.027
15	250	7.1	3400	0.78	7600	9.0	0.81	11	590	0.056	1000	13	2000	460	0	7.0	0	0.027
16	250	7.1	3400	0.78	7600	9.0	0.81	11	590	0.056	1000	13	2000	460	0	7.0	0	0.027
17	250	7.1	3400	0.78	7600	9.0	0.81	11	590	0.056	1000	13	2000	460	0	7.0	0	0.027
18	250	7.1	3400	0.78	7600	9.0	0.81	11	590	0.056	1000	13	2000	460	0	7.0	0	0.027
19	250	7.1	3400	0.78	7600	9.0	0.81	11	590	0.056	1000	13	2000	460	0	7.0	0	0.027
20	270	7.6	3600	0.82	8100	9.9	0.87	12	650	0.060	1100	13	2100	490	0	7.5	0	0.027
21	290	8.1	3900	0.86	8800	11	0.94	13	710	0.065	1200	15	2200	520	0	8.3	0	0.027
22	320	8.6	4300	0.89	9500	12	1.0	15	770	0.071	1300	16	2300	560	0	9.0	0	0.027
23	350	9.1	4600	0.93	10000	13	1.1	16	830	0.076	1400	17	2400	600	0	9.8	0	0.027
24	370	9.6	4900	0.97	11000	15	1.2	17	900	0.081	1500	18	2500	630	0	10	0	0.027
25	230	3.6	2200	0.32	4500	5.9	0.59	8.4	440	0.034	760	8.9	830	310	0	4.9	0	0.027
26	150	2.6	1500	0.25	3100	4.4	0.39	6.1	300	0.024	520	6.3	650	210	0	3.6	0	0.027
27	140	2.1	1300	0.19	2700	3.9	0.33	5.6	250	0.020	460	5.7	480	170	0	3.2	0	0.027
28	87	1.5	860	0.13	1800	2.8	0.24	3.5	190	0.014	300	3.4	340	120	0	2.1	0	0.027
29	5.1	0.31	120	0.034	320	0.26	0.027	0.25	22	0.0023	37	0.39	91	16	0	0.20	0	0.027

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Table E-3: Underground Rock Wall Project Period Inputs

Operating Year	Lead	Lead_210	Polonium_210	Radium_226	Selenium	Sulphate	Strontium	Thorium_230	Uranium	Vanadium	Zinc
	kg/year	mg/L	mg/L	mg/L	kg/year	kg/year	kg/year	mg/L	mg/L	kg/year	kg/year
-4	0.010	1.4E-10	2.5E-12	0.0000019	0.028	170	0.69	0.0000037	4.7	0.022	0.17
-3	0.032	1.4E-10	2.5E-12	0.0000019	0.082	410	1.9	0.0000037	4.7	0.058	0.42
-2	0.051	1.4E-10	2.5E-12	0.0000019	0.12	880	3.5	0.0000037	4.7	0.13	0.90
-1	0.089	1.4E-10	2.5E-12	0.0000019	0.23	2100	7.2	0.0000037	4.7	0.34	2.1
1	0.14	1.4E-10	2.5E-12	0.0000019	0.44	3900	11	0.0000037	4.7	0.74	3.9
2	0.21	1.4E-10	2.5E-12	0.0000019	0.75	5800	17	0.0000037	4.7	1.3	5.7
3	0.27	1.4E-10	2.5E-12	0.0000019	0.95	7200	21	0.0000037	4.7	1.6	7.0
4	0.33	1.4E-10	2.5E-12	0.0000019	1.2	8500	26	0.0000037	4.7	2.1	8.4
5	0.35	1.4E-10	2.5E-12	0.0000019	1.4	9200	28	0.0000037	4.7	2.4	9.0
6	0.35	1.4E-10	2.5E-12	0.0000019	1.4	9300	28	0.0000037	4.7	2.5	9.1
7	0.35	1.4E-10	2.5E-12	0.0000019	1.4	9300	28	0.0000037	4.7	2.5	9.1
8	0.35	1.4E-10	2.5E-12	0.0000019	1.4	9300	28	0.0000037	4.7	2.5	9.1
9	0.35	1.4E-10	2.5E-12	0.0000019	1.5	9300	29	0.0000037	4.7	2.5	9.2
10	0.37	1.4E-10	2.5E-12	0.0000019	1.6	11000	32	0.0000037	4.7	2.8	10
11	0.40	1.4E-10	2.5E-12	0.0000019	1.8	12000	35	0.0000037	4.7	3.2	12
12	0.43	1.4E-10	2.5E-12	0.0000019	2.0	13000	38	0.0000037	4.7	3.8	13
13	0.45	1.4E-10	2.5E-12	0.0000019	2.2	14000	40	0.0000037	4.7	4.3	13
14	0.46	1.4E-10	2.5E-12	0.0000019	2.4	14000	42	0.0000037	4.7	4.7	14
15	0.47	1.4E-10	2.5E-12	0.0000019	2.5	14000	43	0.0000037	4.7	5.0	14
16	0.47	1.4E-10	2.5E-12	0.0000019	2.5	14000	43	0.0000037	4.7	5.0	14
17	0.47	1.4E-10	2.5E-12	0.0000019	2.5	14000	43	0.0000037	4.7	5.0	14
18	0.47	1.4E-10	2.5E-12	0.0000019	2.5	14000	43	0.0000037	4.7	5.0	14
19	0.47	1.4E-10	2.5E-12	0.0000019	2.5	14000	43	0.0000037	4.7	5.0	14
20	0.50	1.4E-10	2.5E-12	0.0000019	2.7	15000	46	0.0000037	4.7	5.2	15
21	0.54	1.4E-10	2.5E-12	0.0000019	2.9	17000	50	0.0000037	4.7	5.5	16
22	0.59	1.4E-10	2.5E-12	0.0000019	3.1	18000	54	0.0000037	4.7	5.8	18
23	0.63	1.4E-10	2.5E-12	0.0000019	3.2	20000	58	0.0000037	4.7	6.1	19
24	0.67	1.4E-10	2.5E-12	0.0000019	3.4	21000	61	0.0000037	4.7	6.4	20
25	0.36	1.4E-10	2.5E-12	0.0000019	1.3	9500	27	0.0000037	4.7	2.3	9.3
26	0.24	1.4E-10	2.5E-12	0.0000019	0.97	6600	18	0.0000037	4.7	1.7	6.4
27	0.21	1.4E-10	2.5E-12	0.0000019	0.77	5800	15	0.0000037	4.7	1.3	5.6
28	0.14	1.4E-10	2.5E-12	0.0000019	0.56	3800	11	0.0000037	4.7	0.94	3.7
29	0.014	1.4E-10	2.5E-12	0.0000019	0.10	520	1.8	0.0000037	4.7	0.22	0.51

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Table E-4: Base Case and Upper Case Post-Closure Inputs

Parameter	Unit	Stockpile Closure Covers	Reclaimed Areas	Undisturbed Areas
Aluminum	mg/L	0.053	0.053	0.0038
Arsenic	mg/L	0.00060	0.00060	0.000095
Calcium	mg/L	0.85	0.85	3.6
Cadmium	mg/L	0.000050	0.000050	0.0000049
Chloride	mg/L	1.5	1.5	0.57
Cobalt	mg/L	0.0010	0.0010	0.000050
Chromium	mg/L	0.00025	0.00025	0.00020
Copper	mg/L	0.00020	0.00020	0.00012
Iron	mg/L	0.030	0.030	0.086
Mercury	mg/L	0.0000045	0.0000045	0.0000014
Magnesium	mg/L	0.25	0.25	1.2
Manganese	mg/L	0.090	0.090	0.021
Molybdenum	mg/L	0.00010	0.00010	0.000053
Sodium	mg/L	0.45	0.45	1.4
Ammonia_as_N	mg/L	0.20	0.20	0.022
Nickel	mg/L	0.0013	0.0013	0.000073
Nitrate_as_N	mg/L	0.045	0.045	0.090
Phosphorus	mg/L	0.0016	0.0016	0.0075
Lead	mg/L	0.000050	0.000050	0.000047
Lead_210	mg/L	3.6E-12	3.6E-12	4.6E-12
Polonium_210	mg/L	1.5E-14	1.5E-14	2.1E-14
Radium_226	mg/L	6.8E-11	6.8E-11	1.2E-10
Selenium	mg/L	0.000050	0.000050	0.000047
Sulphate	mg/L	2.0	2.0	1.5
Strontium	mg/L	0.010	0.010	0.030
Thorium_230	mg/L	6.6E-09	6.6E-09	6.3E-09
Uranium	mg/L	0.000050	0.000050	0.000051
Vanadium	mg/L	0.00020	0.00020	0.00015
Zinc	mg/L	0.0035	0.0035	0.00080

APPENDIX F

Water Balance Results

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Table F-1: Scenario 1: Application Case

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	335	4185	224	105	7	287	1999	2777	0	3409	335	4185	105	0	108	10	5
Annual Nominal Rate	Construction Phase	m^3/day	746	151	899	12	75	82	88	1020	0	0	0	151	899	75	0	1	2	4
Annual Nominal Rate	Operations Phase	m^3/day	0	181	6575	375	148	0	472	0	5092	0	6250	181	6575	148	0	6	11	5
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	526	4528	162	150	0	191	5587	0	0	0	526	4528	150	0	6	10	5
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	651	9	0	0	0	0	4	0	0	0	651	9	0	0	416	10	5
Monthly Average Discharge Rate	**Entire CODR Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2681	16	3538	168	104	0	10	1556	2549	0	3176	16	3538	104	0	5	1	0
February	Entire Simulation	m^3/day	2690	36	3508	162	105	0	25	1526	2554	0	3184	36	3508	105	0	10	1	1
		m^3/day	2665	349	3824	199	106	9	182	1729	2714	0	3349	349	3824	106	0	91	9	5
April	Entire Simulation	m^3/day	2564	688	4683	268	105	10	530	2375	2878	0	3516	688	4683	105	0	153	16	9
May	Entire Simulation	m^3/day	2622	284	4406	248	105	4	335	2136	2880	0	3518	284	4406	105	0	114	11	6
June	Entire Simulation	m^3/day	2580	627	4576	246	104	12	489	2320	2883	0	3518	627	4576	104	0	235	19	10
July	Entire Simulation	m^3/day	2492	672	4805	263	102	28	606	2551	2894	0	3520	672	4805	102	0	246	21	11
August	Entire Simulation	m^3/day	2518	568	4722	267	104	13	520	2406	2891	0	3522	568	4722	104	0	202	17	9
September	Entire Simulation	m^3/day	2566	375	4578	257	104	6	402	2308	2886	0	3514	375	4578	104	0	121	11	6
October	Entire Simulation	m^3/day	2630	226	4171	227	105	6	191	1871	2860	0	3490	226	4171	105	0	70	6	3
November	Entire Simulation	m^3/day	2688	32	3646	192	105	1	25	1537	2687	0	3318	32	3646	105	0	7	1	0
December	Entire Simulation	m^3/day	2700	13	3551	171	105	0	13	1511	2578	0	3213	13	3551	105	0	1	0	0
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	0	533	19	68	0	0	563	0	0	0	0	533	68	0	0	0	0
February	Construction	m^3/day	753	0	418	0	76	0	0	426	0	0	0	0	418	76	0	0	0	0
March	Construction	m^3/day	746	232	614	0	77	96	0	625	0	0	0	232	614	77	0	0	0	3
April	Construction	m^3/day	746	537	1157	28	76	101	168	1253	0	0	0	537	1157	76	0	3	4	9
May	Construction	m^3/day	746	46	1116	9	74	63	154	1497	0	0	0	46	1116	74	0	1	2	3
June	Construction	m^3/day	746	66	1160	8	75	119	119	1362	0	0	0	66	1160	75	0	1	2	6
July	Construction	m^3/day	746	304	1426	11	75	274	247	1665	0	0	0	304	1426	75	0	3	5	11
August	Construction	m^3/day	746	204	1324	42	75	156	156	1584	0	0	0	204	1324	75	0	2	3	7
September	Construction	m^3/day	746	194	1083	24	75	70	163	1440	0	0	0	194	1083	75	0	2	3	5
October	Construction	m^3/day	746	140	782	4	75	79	47	842	0	0	0	140	782	75	0	1	1	4
November	Construction	m^3/day	746	84	657	0	75	18	0	583	0	0	0	84	657	75	0	0	0	1
December	Construction	m^3/day	746	5	493	0	74	0	0	366	0	0	0	5	493	74	0	0	0	0
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4460	14	5525	300	148	0	19	1616	4672	0	5822	14	5525	148	0	1	1	0
February	Operations	m^3/day	4476	36	5582	296	149	0	43	1655	4682	0	5840	36	5582	149	0	1	1	1
March	Operations	m^3/day	4433	212	5970	339	150	0	271	1841	4950	0	6109	212	5970	150	0	5	9	5
April	Operations	m^3/day	4249	583	7258	425	149	0	879	2893	5263	0	6451	583	7258	149	0	12	19	10
May	Operations	m^3/day	4351	121	6951	411	148	0	544	2527	5278	0	6436	121	6951	148	0	7	11	6
June	Operations	m^3/day	4284	214	7166	410	148	0	803	2816	5284	0	6451	214	7166	148	0	12	19	10
July	Operations	m^3/day	4136	321	7508	427	142	0	1001	3142	5304	0	6459	321	7508	142	0	14	23	12
August	Operations	m^3/day	4136	253	7360	421	146	0	850	2972	5305	0	6454	253	7360	146	0	11	17	9
September	Operations	m^3/day	4229	206	7215	414	147	0	720	2815	5292	0	6445	206	7215	147	0	9	14	7
October	Operations	m^3/day	4333	150	6784	383	148	0	419	2331	5268	0	6426	150	6784	148	0	5	8	4
November	Operations	m^3/day	4449	43	5967	352	149	0	76	1699	5054	0	6209	43	5967	149	0	1	2	1
December	Operations	m^3/day	4471	15	5572	313	149	0	20	1602	4728	0	5885	15	5572	149	0	0	1	0
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	12	3945	24	151	0	0	5370	1	0	2	12	3945	151	0	0	0	0
February	Active Closure	m^3/day	1596	1	3744	10	149	0	0	5069	0	0	0	1	3744	149	0	0	0	0
March	Active Closure	m^3/day	1596	382	4045	68	150	0	91	5444	0	0	0	382	4045	150	0	5	8	4
April	Active Closure	m^3/day	1596	1185	5129	276	151	0	424	5919	0	0	0	1185	5129	151	0	12	20	10
May	Active Closure	m^3/day	1596	394	4845	215	150	0	205	5628	0	0	0	394	4845	150	0	5	8	4
June	Active Closure	m^3/day	1596	1140	4530	170	151	0	178	5348	0	0	0	1140	4530	151	0	11	19	9
July	Active Closure	m^3/day	1596	936	4967	248	150	0	274	5886	0	0	0	936	4967	150	0	11	18	9
August	Active Closure	m^3/day	1596	1130	5275	296	152	0	460	5960	0	0	0	1130	5275	152	0	15	25	12
September	Active Closure	m^3/day	1596	713	5256	301	151	0	414	6186	0	0	0	713	5256	151	0	9	14	7
October	Active Closure	m^3/day	1596	302	4707	226	150	0	170	5555	0	0	0	302	4707	150	0	4	7	3
November	Active Closure	m^3/day	1596	100	4097	100	149	0	71	5424	0	0	0	100	4097	149	0	1	2	1
December	Active Closure	m^3/day	1596	0	3753	0	149	0	0	5223	0	0	0	0	3753	149	0	0	0	0

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Table F-1: Scenario 1: Application Case

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	27	110	0	0	0	0	50	0	0	0	27	110	0	0	17	0	0
February	Transtitional Monitoring	m^3/day	0	57	0	0	0	0	0	0	0	0	0	57	0	0	0	37	1	0
March	Transtitional Monitoring	m^3/day	0	511	0	0	0	0	0	0	0	0	0	511	0	0	0	329	8	4
April	Transtitional Monitoring	m^3/day	0	927	0	0	0	0	0	0	0	0	0	927	0	0	0	560	14	7
May	Transtitional Monitoring	m^3/day	0	662	0	0	0	0	0	0	0	0	0	662	0	0	0	427	10	5
June	Transtitional Monitoring	m^3/day	0	1358	0	0	0	0	0	0	0	0	0	1358	0	0	0	875	21	11
July	Transtitional Monitoring	m^3/day	0	1466	0	0	0	0	0	0	0	0	0	1466	0	0	0	945	23	11
August	Transtitional Monitoring	m^3/day	0	1272	0	0	0	0	0	0	0	0	0	1272	0	0	0	820	20	10
September	Transtitional Monitoring	m^3/day	0	813	0	0	0	0	0	0	0	0	0	813	0	0	0	524	13	6
October	Transtitional Monitoring	m^3/day	0	581	0	0	0	0	0	0	0	0	0	581	0	0	0	374	9	5
November	Transtitional Monitoring	m^3/day	0	96	0	0	0	0	0	0	0	0	0	96	0	0	0	62	1	1
December	Transtitional Monitoring	m^3/day	0	5	0	0	0	0	0	0	0	0	0	5	0	0	0	3	0	0

Table F-2: Scenario 2: Application Case Deterministic

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	337	4192	234	104	8	294	2019	2768	0	3402	337	4192	104	0	100	10	5
Annual Nominal Rate	Construction Phase	m^3/day	746	240	914	93	75	86	112	1128	0	0	0	240	914	75	0	1	2	5
Annual Nominal Rate	Operations Phase	m^3/day	0	183	6573	379	147	0	477	0	5074	0	6237	183	6573	147	0	7	11	5
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	585	4596	169	150	0	209	5612	0	0	0	585	4596	150	0	7	11	5
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	594	8	0	0	0	0	3	0	0	0	594	8	0	0	381	9	5
Monthly Average Discharge Rate	**Entire CODC Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2683	21	3533	167	104	1	11	1515	2540	0	3168	21	3533	104	0	6	1	0
February	Entire Simulation	m^3/day	2675	46	3498	160	105	5	25	1571	2514	0	3144	46	3498	105	0	15	1	1
		m^3/day	2643	307	3792	197	106	6	178	1729	2651	0	3283	307	3792	106	0	82	8	4
April	Entire Simulation	m^3/day	2554	718	4536	244	104	9	476	2269	2864	0	3506	718	4536	104	0	174	16	9
May	Entire Simulation	m^3/day	2599	350	4376	243	104	15	338	2131	2878	0	3513	350	4376	104	0	123	11	6
June	Entire Simulation	m^3/day	2584	608	4639	270	105	16	511	2305	2882	0	3523	608	4639	105	0	182	19	10
July	Entire Simulation	m^3/day	2505	630	4830	305	103	15	653	2613	2893	0	3534	630	4830	103	0	215	21	11
August	Entire Simulation	m^3/day	2485	584	4754	284	101	8	554	2452	2897	0	3530	584	4754	101	0	163	17	9
September	Entire Simulation	m^3/day	2556	338	4641	283	104	10	435	2412	2889	0	3530	338	4641	104	0	94	11	6
October	Entire Simulation	m^3/day	2627	244	4235	255	105	7	197	1965	2860	0	3484	244	4235	105	0	74	6	3
November	Entire Simulation	m^3/day	2688	39	3656	196	105	1	17	1557	2693	0	3321	39	3656	105	0	10	1	1
December	Entire Simulation	m^3/day	2706	16	3557	179	105	0	10	1514	2573	0	3208	16	3557	105	0	4	0	0
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	30	499	19	68	11	0	575	0	0	0	30	499	68	0	0	0	0
February	Construction	m^3/day	753	51	570	0	76	57	35	781	0	0	0	51	570	76	0	1	2	2
March	Construction	m^3/day	746	136	677	0	77	12	61	864	0	0	0	136	677	77	0	1	2	3
April	Construction	m^3/day	746	797	1355	26	76	146	168	1361	0	0	0	797	1355	76	0	1	2	10
May	Construction	m^3/day	746	221	1042	0	75	143	66	1122	0	0	0	221	1042	75	0	1	2	5
June	Construction	m^3/day	746	622	1537	65	76	174	353	1517	0	0	0	622	1537	76	0	5	8	14
July	Construction	m^3/day	746	492	1115	315	76	172	324	1918	0	0	0	492	1115	76	0	4	7	11
August	Construction	m^3/day	746	105	1160	255	75	83	130	1534	0	0	0	105	1160	75	0	2	3	6
September	Construction	m^3/day	746	208	1184	78	75	117	168	1741	0	0	0	208	1184	75	0	2	4	7
October	Construction	m^3/day	746	158	648	339	75	113	26	1095	0	0	0	158	648	75	0	0	0	3
November	Construction	m^3/day	746	22	675	1	75	0	13	606	0	0	0	22	675	75	0	0	0	1
December	Construction	m^3/day	746	49	507	3	75	8	0	412	0	0	0	49	507	75	0	0	0	1
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4464	14	5516	296	148	0	18	1611	4656	0	5807	14	5516	148	0	0	1	0
February	Operations	m^3/day	4449	21	5508	288	149	0	20	1611	4609	0	5765	21	5508	149	0	0	0	0
March	Operations	m^3/day	4396	175	5881	334	150	0	249	1842	4830	0	5990	175	5881	150	0	5	8	4
April	Operations	m^3/day	4235	564	7123	409	147	0	819	2754	5230	0	6398	564	7123	147	0	12	19	10
May	Operations	m^3/day	4303	156	6964	411	147	0	596	2637	5278	0	6451	156	6964	147	0	7	12	6
June	Operations	m^3/day	4295	206	7017	407	148	0	709	2580	5280	0	6452	206	7017	148	0	11	18	9
July	Operations	m^3/day	4172	277	7564	434	145	0	1033	3191	5300	0	6477	277	7564	145	0	14	23	12
August	Operations	m^3/day	4062	319	7488	444	142	0	954	3081	5315	0	6488	319	7488	142	0	12	20	10
September	Operations	m^3/day	4212	254	7297	427	146	0	780	2930	5300	0	6472	254	7297	146	0	9	15	8
October	Operations	m^3/day	4330	157	6883	398	149	0	430	2490	5269	0	6417	157	6883	149	0	5	9	4
November	Operations	m^3/day	4443	48	6036	352	149	0	78	1761	5071	0	6222	48	6036	149	0	1	2	1
December	Operations	m^3/day	4481	7	5541	338	149	0	10	1595	4725	0	5881	7	5541	149	0	0	0	0
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	11	4004	38	151	0	13	5075	1	0	2	11	4004	151	0	0	1	0
February	Active Closure	m^3/day	1596	73	3934	34	149	0	92	5475	0	0	0	73	3934	149	0	1	2	1
March	Active Closure	m^3/day	1596	362	4123	93	150	0	93	5407	0	0	0	362	4123	150	0	5	7	4
April	Active Closure	m^3/day	1596	933	4575	161	150	0	225	5462	0	0	0	933	4575	150	0	8	13	7
May	Active Closure	m^3/day	1596	492	4468	181	149	0	105	5444	0	0	0	492	4468	149	0	5	8	4
June	Active Closure	m^3/day	1596	1280	5235	305	152	0	501	5919	0	0	0	1280	5235	152	0	16	26	13
July	Active Closure	m^3/day	1596	1069	5283	283	151	0	384	5997	0	0	0	1069	5283	151	0	13	21	11
August	Active Closure	m^3/day	1596	1574	5252	282	152	0	435	6070	0	0	0	1574	5252	152	0	15	25	13
September	Active Closure	m^3/day	1596	622	5282	301	151	0	359	6072	0	0	0	622	5282	151	0	9	14	7
October	Active Closure	m^3/day	1596	470	4932	230	150	0	275	5849	0	0	0	470	4932	150	0	5	9	5
November	Active Closure	m^3/day	1596	97	4276	114	149	0	24	5348	0	0	0	97	4276	149	0	1	1	1
December	Active Closure	m^3/day	1596	11	3754	0	149	0	0	5223	0	0	0	11	3754	149	0	0	0	0

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Table F-2: Scenario 2: Application Case Deterministic

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	38	0	0	0	0	0	30	0	0	0	38	0	0	0	25	1	0
February	Transtitional Monitoring	m^3/day	0	60	0	0	0	0	0	0	0	0	0	60	0	0	0	39	1	0
March	Transtitional Monitoring	m^3/day	0	480	0	0	0	0	0	0	0	0	0	480	0	0	0	309	7	4
April	Transtitional Monitoring	m^3/day	0	1214	0	0	0	0	0	0	0	0	0	1214	0	0	0	761	19	9
May	Transtitional Monitoring	m^3/day	0	600	0	0	0	0	0	0	0	0	0	600	0	0	0	387	9	5
June	Transtitional Monitoring	m^3/day	0	1138	0	0	0	0	0	0	0	0	0	1138	0	0	0	733	18	9
July	Transtitional Monitoring	m^3/day	0	1309	0	0	0	0	0	0	0	0	0	1309	0	0	0	843	20	10
August	Transtitional Monitoring	m^3/day	0	929	0	0	0	0	0	0	0	0	0	929	0	0	0	598	14	7
September	Transtitional Monitoring	m^3/day	0	694	0	0	0	0	0	0	0	0	0	694	0	0	0	447	11	5
October	Transtitional Monitoring	m^3/day	0	518	0	0	0	0	0	0	0	0	0	518	0	0	0	334	8	4
November	Transtitional Monitoring	m^3/day	0	81	0	0	0	0	0	0	0	0	0	81	0	0	0	52	1	1
December	Transtitional Monitoring	m^3/day	0	49	0	0	0	0	0	0	0	0	0	49	0	0	0	31	1	0

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Table F-3: Scenario 3: Application Case Stochastic

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4 and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4 and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	343	4207	231	105	8	294	2017	2794	0	3425	343	4207	105	0	102	10	5
Annual Nominal Rate	Construction Phase	m^3/day	746	249	964	12	75	90	101	1163	0	0	0	249	964	75	0	1	2	5
Annual Nominal Rate	Operations Phase	m^3/day	0	180	6584	385	148	0	477	0	5123	0	6279	180	6584	148	0	7	11	5
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	616	4626	177	150	0	218	5728	0	0	0	616	4626	150	0	7	11	6
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	608	8	0	0	0	0	3	0	0	0	608	8	0	0	390	9	5
Monthly Average Discharge Rate	**Entire CODC Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2683	67	3582	176	104	0	24	1542	2595	0	3218	67	3582	104	0	15	1	1
February	Entire Simulation	m^3/day	2692	181	3619	184	106	0	62	1650	2600	0	3231	181	3619	106	0	33	4	2
		m^3/day	2637	508	4094	223	106	11	310	1976	2764	0	3400	508	4094	106	0	113	11	6
April	Entire Simulation	m^3/day	2616	337	4350	232	105	12	320	2090	2869	0	3499	337	4350	105	0	83	9	5
May	Entire Simulation	m^3/day	2638	295	4235	234	105	8	313	1966	2878	0	3512	295	4235	105	0	113	10	6
June	Entire Simulation	m^3/day	2578	529	4569	267	105	13	503	2310	2879	0	3525	529	4569	105	0	184	18	10
July	Entire Simulation	m^3/day	2497	683	4855	282	103	18	639	2549	2893	0	3525	683	4855	103	0	225	21	11
August	Entire Simulation	m^3/day	2493	591	4708	270	103	14	533	2448	2896	0	3526	591	4708	103	0	202	17	9
September	Entire Simulation	m^3/day	2545	350	4615	254	102	5	426	2330	2888	0	3513	350	4615	102	0	95	12	6
October	Entire Simulation	m^3/day	2633	278	4269	242	106	6	216	1998	2869	0	3497	278	4269	106	0	75	7	4
November	Entire Simulation	m^3/day	2677	106	3734	203	105	4	46	1627	2735	0	3363	106	3734	105	0	26	2	1
December	Entire Simulation	m^3/day	2697	70	3596	185	105	1	22	1529	2601	0	3231	70	3596	105	0	25	1	1
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	70	453	27	69	0	0	540	0	0	0	70	453	69	0	0	0	1
February	Construction	m^3/day	753	112	677	0	77	0	31	781	0	0	0	112	677	77	0	1	2	2
March	Construction	m^3/day	746	474	770	2	77	120	82	1157	0	0	0	474	770	77	0	2	3	7
April	Construction	m^3/day	746	376	1266	16	76	126	163	1547	0	0	0	376	1266	76	0	1	2	4
May	Construction	m^3/day	746	200	1019	0	75	79	97	1052	0	0	0	200	1019	75	0	2	2	6
June	Construction	m^3/day	746	205	1204	8	75	148	158	1420	0	0	0	205	1204	75	0	2	3	8
July	Construction	m^3/day	746	413	1171	5	75	229	128	1388	0	0	0	413	1171	75	0	2	3	9
August	Construction	m^3/day	746	265	1311	44	75	137	182	1710	0	0	0	265	1311	75	0	2	4	9
September	Construction	m^3/day	746	235	1102	15	75	97	124	1336	0	0	0	235	1102	75	0	2	3	5
October	Construction	m^3/day	746	335	1193	19	75	86	166	1709	0	0	0	335	1193	75	0	2	3	5
November	Construction	m^3/day	746	238	783	11	75	40	58	832	0	0	0	238	783	75	0	1	1	3
December	Construction	m^3/day	746	49	614	0	74	8	24	470	0	0	0	49	614	74	0	0	1	1
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4464	29	5613	310	148	0	40	1617	4758	0	5900	29	5613	148	0	1	1	1
February	Operations	m^3/day	4477	83	5661	317	150	0	92	1686	4761	0	5920	83	5661	150	0	2	3	1
March	Operations	m^3/day	4383	390	6380	365	150	0	475	2153	5041	0	6204	390	6380	150	0	8	12	6
April	Operations	m^3/day	4346	287	6803	390	150	0	520	2402	5258	0	6422	287	6803	150	0	7	11	5
May	Operations	m^3/day	4381	93	6664	400	148	0	503	2269	5277	0	6432	93	6664	148	0	7	11	5
June	Operations	m^3/day	4291	225	7003	421	149	0	754	2605	5274	0	6446	225	7003	149	0	12	19	10
July	Operations	m^3/day	4137	261	7557	450	146	0	1032	3181	5301	0	6456	261	7557	146	0	14	23	12
August	Operations	m^3/day	4104	292	7430	439	144	0	931	3025	5311	0	6475	292	7430	144	0	12	19	10
September	Operations	m^3/day	4183	237	7282	415	143	0	769	2909	5298	0	6446	237	7282	143	0	9	15	8
October	Operations	m^3/day	4335	150	6839	398	149	0	422	2429	5271	0	6422	150	6839	149	0	5	8	4
November	Operations	m^3/day	4431	72	6099	369	150	0	119	1769	5155	0	6303	72	6099	150	0	2	3	1
December	Operations	m^3/day	4460	34	5625	336	149	0	40	1620	4756	0	5908	34	5625	149	0	1	1	1
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	195	3999	42	151	0	14	5297	1	0	2	195	3999	151	0	2	3	1
February	Active Closure	m^3/day	1596	656	4045	74	150	0	19	5758	0	0	0	656	4045	150	0	6	10	5
March	Active Closure	m^3/day	1596	540	4587	177	150	0	217	5886	0	0	0	540	4587	150	0	6	10	5
April	Active Closure	m^3/day	1596	520	4726	175	150	0	336	5919	0	0	0	520	4726	150	0	5	8	4
May	Active Closure	m^3/day	1596	343	4487	124	149	0	183	5555	0	0	0	343	4487	149	0	5	8	4
June	Active Closure	m^3/day	1596	1031	4916	263	151	0	335	5729	0	0	0	1031	4916	151	0	13	22	11
July	Active Closure	m^3/day	1596	1168	5309	312	151	0	467	5997	0	0	0	1168	5309	151	0	14	23	12
August	Active Closure	m^3/day	1596	1053	5227	297	150	0	364	6034	0	0	0	1053	5227	150	0	12	20	10
September	Active Closure	m^3/day	1596	929	5075	244	151	0	291	5843	0	0	0	929	5075	151	0	10	16	8
October	Active Closure	m^3/day	1596	681	5042	248	150	0	310	6070	0	0	0	681	5042	150	0	7	12	6
November	Active Closure	m^3/day	1596	202	4170	126	149	0	22	5500	0	0	0	202	4170	149	0	1	2	1
December	Active Closure	m^3/day	1596	89	3886	33	149	0	39	5149	0	0	0	89	3886	149	0	1	2	1

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Table F-3: Scenario 3: Application Case Stochastic

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4 and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4 and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	90	0	0	0	0	0	35	0	0	0	90	99	0	0	58	1	1
February	Transtitional Monitoring	m^3/day	0	175	0	0	0	0	0	0	0	0	0	175	0	0	0	113	3	1
March	Transtitional Monitoring	m^3/day	0	731	0	0	0	0	0	0	0	0	0	731	0	0	0	451	11	6
April	Transtitional Monitoring	m^3/day	0	411	0	0	0	0	0	0	0	0	0	411	0	0	0	265	6	3
May	Transtitional Monitoring	m^3/day	0	604	0	0	0	0	0	0	0	0	0	604	0	0	0	389	9	5
June	Transtitional Monitoring	m^3/day	0	1091	0	0	0	0	0	0	0	0	0	1091	0	0	0	703	17	9
July	Transtitional Monitoring	m^3/day	0	1353	0	0	0	0	0	0	0	0	0	1353	0	0	0	871	21	11
August	Transtitional Monitoring	m^3/day	0	1247	0	0	0	0	0	0	0	0	0	1247	0	0	0	804	19	10
September	Transtitional Monitoring	m^3/day	0	698	0	0	0	0	0	0	0	0	0	698	0	0	0	449	11	5
October	Transtitional Monitoring	m^3/day	0	572	0	0	0	0	0	0	0	0	0	572	0	0	0	369	9	4
November	Transtitional Monitoring	m^3/day	0	169	0	0	0	0	0	0	0	0	0	169	0	0	0	109	3	1
December	Transtitional Monitoring	m^3/day	0	115	0	0	0	0	0	0	0	0	0	115	0	0	0	74	2	1

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Table F-4: Scenario 5: Climate Change

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post-mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	179	4309	236	104	9	308	2060	2823	0	3454	179	4309	104	0	106	10	6
Annual Nominal Rate	Construction Phase	m^3/day	746	143	922	15	75	96	91	1058	0	0	0	143	922	75	0	1	2	4
Annual Nominal Rate	Operations Phase	m^3/day	0	163	6727	393	148	0	507	0	5175	0	6332	163	6727	148	0	7	12	6
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	258	4670	178	150	0	199	5665	0	0	0	258	4670	150	0	7	11	5
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	189	101	0	0	0	0	97	0	0	0	189	101	0	0	405	11	5
Monthly Average Discharge Rate	**Entire CODC Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2678	46	3706	197	104	3	34	1559	2650	0	3277	46	3706	104	0	30	2	1
February	Entire Simulation	m^3/day	2674	76	3671	191	105	2	64	1596	2659	0	3287	76	3671	105	0	11	3	2
		m^3/day	2604	332	4193	219	105	12	309	2002	2800	0	3436	332	4193	105	0	95	11	6
April	Entire Simulation	m^3/day	2603	271	4532	257	105	8	364	2166	2879	0	3511	271	4532	105	0	129	11	6
May	Entire Simulation	m^3/day	2598	140	4384	238	104	6	356	2124	2881	0	3517	140	4384	104	0	101	12	6
June	Entire Simulation	m^3/day	2572	275	4680	257	105	15	505	2413	2887	0	3521	275	4680	105	0	221	19	10
July	Entire Simulation	m^3/day	2482	296	4877	268	101	26	615	2588	2897	0	3530	296	4877	101	0	230	21	11
August	Entire Simulation	m^3/day	2488	260	4800	277	103	14	542	2486	2896	0	3523	260	4800	103	0	194	18	9
September	Entire Simulation	m^3/day	2548	173	4664	264	103	8	421	2342	2889	0	3521	173	4664	103	0	119	12	6
October	Entire Simulation	m^3/day	2612	120	4290	239	106	5	228	1966	2872	0	3498	120	4290	106	0	82	7	4
November	Entire Simulation	m^3/day	2667	56	3924	209	106	3	84	1662	2809	0	3437	56	3924	106	0	20	3	1
December	Entire Simulation	m^3/day	2694	30	3779	205	105	0	50	1632	2712	0	3344	30	3779	105	0	7	2	1
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	89	401	19	69	31	0	492	0	0	0	89	401	69	0	0	0	1
February	Construction	m^3/day	753	65	573	0	77	19	0	530	0	0	0	65	573	77	0	0	0	1
March	Construction	m^3/day	746	249	608	0	77	120	3	658	0	0	0	249	608	77	0	1	1	4
April	Construction	m^3/day	746	425	1240	24	76	89	213	1336	0	0	0	425	1240	76	0	3	4	7
May	Construction	m^3/day	746	44	1089	8	74	81	136	1486	0	0	0	44	1089	74	0	1	2	4
June	Construction	m^3/day	746	73	1130	0	75	148	97	1243	0	0	0	73	1130	75	0	1	2	6
July	Construction	m^3/day	746	294	1466	22	75	253	264	1815	0	0	0	294	1466	75	0	3	6	11
August	Construction	m^3/day	746	159	1285	55	75	184	146	1711	0	0	0	159	1285	75	0	2	3	8
September	Construction	m^3/day	746	92	1135	38	75	93	160	1452	0	0	0	92	1135	75	0	2	3	5
October	Construction	m^3/day	746	114	803	7	75	78	54	750	0	0	0	114	803	75	0	1	1	4
November	Construction	m^3/day	746	68	667	0	75	48	19	691	0	0	0	68	667	75	0	0	0	1
December	Construction	m^3/day	746	38	650	0	74	0	0	507	0	0	0	38	650	74	0	0	0	0
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4455	37	5765	345	148	0	56	1652	4858	0	6007	37	5765	148	0	1	2	1
February	Operations	m^3/day	4447	99	5779	343	149	0	113	1682	4872	0	6027	99	5779	149	0	2	4	2
March	Operations	m^3/day	4320	363	6541	373	149	0	510	2289	5114	0	6277	363	6541	149	0	8	13	6
April	Operations	m^3/day	4315	303	7012	411	149	0	572	2528	5280	0	6440	303	7012	149	0	7	12	6
May	Operations	m^3/day	4316	127	6847	390	148	0	575	2400	5278	0	6447	127	6847	148	0	8	13	6
June	Operations	m^3/day	4263	191	7284	431	148	0	831	2861	5291	0	6453	191	7284	148	0	12	20	10
July	Operations	m^3/day	4132	252	7588	429	144	0	1010	3173	5307	0	6468	252	7588	144	0	14	24	12
August	Operations	m^3/day	4082	207	7420	429	144	0	887	2977	5313	0	6474	207	7420	144	0	11	18	9
September	Operations	m^3/day	4189	155	7348	418	145	0	764	2852	5298	0	6451	155	7348	145	0	9	16	8
October	Operations	m^3/day	4302	107	6904	399	148	0	471	2458	5278	0	6423	107	6904	148	0	6	9	5
November	Operations	m^3/day	4411	66	6261	386	150	0	174	1877	5213	0	6361	66	6261	150	0	3	4	2
December	Operations	m^3/day	4450	49	5919	360	149	0	99	1709	4986	0	6138	49	5919	149	0	2	3	2
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	38	4174	61	151	0	28	5075	2	0	2	38	4174	151	0	1	2	1
February	Active Closure	m^3/day	1596	28	3923	32	149	0	1	5313	0	0	0	28	3923	149	0	1	2	1
March	Active Closure	m^3/day	1596	400	4369	130	150	0	173	5591	0	0	0	400	4369	150	0	7	11	5
April	Active Closure	m^3/day	1596	585	5124	268	151	0	330	5729	0	0	0	585	5124	151	0	10	17	8
May	Active Closure	m^3/day	1596	145	4818	200	150	0	196	5776	0	0	0	145	4818	150	0	5	8	4
June	Active Closure	m^3/day	1596	469	4602	174	151	0	187	5615	0	0	0	469	4602	151	0	12	20	10
July	Active Closure	m^3/day	1596	313	5106	254	150	0	277	6034	0	0	0	313	5106	150	0	11	18	9
August	Active Closure	m^3/day	1596	540	5376	326	152	0	483	5997	0	0	0	540	5376	152	0	16	26	13
September	Active Closure	m^3/day	1596	291	5344	321	151	0	397	6110	0	0	0	291	5344	151	0	9	15	7
October	Active Closure	m^3/day	1596	116	4845	229	150	0	166	5739	0	0	0	116	4845	150	0	5	7	4
November	Active Closure	m^3/day	1596	141	4424	131	150	0	135	5577	0	0	0	141	4424	150	0	3	5	3
December	Active Closure	m^3/day	1596	18	3898	7	149	0	1	5407	0	0	0	18	3898	149	0	1	1	0

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Table F-4: Scenario 5: Climate Change

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post-mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	56	0	0	0	0	0	145	0	0	0	56	0	0	0	115	3	2
February	Transtitional Monitoring	m^3/day	0	17	0	0	0	0	0	96	0	0	0	17	0	0	0	36	1	0
March	Transtitional Monitoring	m^3/day	0	175	0	0	0	0	0	96	0	0	0	175	0	0	0	352	10	5
April	Transtitional Monitoring	m^3/day	0	216	0	0	0	0	0	94	0	0	0	216	0	0	0	460	12	6
May	Transtitional Monitoring	m^3/day	0	158	0	0	0	0	0	91	0	0	0	158	0	0	0	341	9	5
June	Transtitional Monitoring	m^3/day	0	382	0	0	0	0	0	90	0	0	0	382	0	0	0	822	22	11
July	Transtitional Monitoring	m^3/day	0	407	0	0	0	0	0	88	0	0	0	407	0	0	0	876	23	12
August	Transtitional Monitoring	m^3/day	0	361	0	0	0	0	0	89	0	0	0	361	0	0	0	778	21	10
September	Transtitional Monitoring	m^3/day	0	237	0	0	0	0	0	91	0	0	0	237	0	0	0	511	14	7
October	Transtitional Monitoring	m^3/day	0	178	0	0	0	0	0	94	0	0	0	178	0	0	0	384	10	5
November	Transtitional Monitoring	m^3/day	0	54	0	0	0	0	0	96	0	0	0	54	0	0	0	117	3	2
December	Transtitional Monitoring	m^3/day	0	21	0	0	0	0	0	96	0	0	0	21	0	0	0	45	1	1

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Table F-5: Scenario 6: Extreme Event – Summer PMP

Value	Summary Period	Units	P/S00 Surface Runoff Pond #1	P/S01 Treated Effluent Pond #1	P/S02 Treated Effluent Pond #2	P/S03 Treated Effluent Pond #3	P/S04 Treated Effluent Pond #4	P/S05 Contingency Pond	P/S06 Settling Pond	P/S07 PAG Runoff Collection Area	P/S08 West Bermed Runoff Collection Area	P/S09 Surface Runoff Pond #2	P/S10 Special Waste Collection Sump	P/S11 Ore Stockpile Collection Sump
Number of Overflow Events	Entire CODR Simulation	#	0	0	0	0	0	26	0	0	0	22 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Construction Phase	#	0	0	0	0	0	0	0	0	0	0	0	0
Number of Overflow Events	Operations Phase	#	0	0	0	0	0	23 (<5,000 m^3)	0	0	0	22 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Active Closure Stage	#	0	0	0	0	0	3 (~50,000 m^3)	0	0	0	0	0	0
Number of Overflow Events	Tansitional Monitoring Stage	#	0	0	0	0	0	0	0	0	0	0	0	0

Table F-6: Scenario 7: Extreme Event – Spring PMP

Value	Summary Period		P/S00	P/S01	P/S02	P/S03	P/S04	P/S05	P/S06	P/S07	P/S08	P/S09	P/S10	P/S11
		Units	Surface Runoff Pond #1	Treated Effluent Pond #1	Treated Effluent Pond #2	Treated Effluent Pond #3	Treated Effluent Pond #4	Contingency Pond	Settling Pond	PAG Runoff Collection Area	West Bermed Runoff Collection Area	Surface Runoff Pond #2	Special Waste Collection Sump	Ore Stockpile Collection Sump
Number of Overflow Events	Entire CODR Simulation	#	0	0	0	0	0	3 (~20,000 m^3)	0	0	0	13 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Construction Phase	#	0	0	0	0	0	0	0	0	0	1 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Operations Phase	#	0	0	0	0	0	0	0	0	0	11 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Active Closure Stage	#	0	0	0	0	0	3 (~20,000 m^3)	0	0	0	1 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Tansitional Monitoring Stage	#	0	0	0	0	0	0	0	0	0	0	0	0

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Table F-7: Scenario 8: Extreme Event – Climate Change PMP

Value	Summary Period	Units	P/S00 Surface Runoff Pond #1	P/S01 Treated Effluent Pond #1	P/S02 Treated Effluent Pond #2	P/S03 Treated Effluent Pond #3	P/S04 Treated Effluent Pond #4	P/S05 Contingency Pond	P/S06 Settling Pond	P/S07 PAG Runoff Collection Area	P/S08 West Bermed Runoff Collection Area	P/S09 Surface Runoff Pond #2	P/S10 Special Waste Collection Sump	P/S11 Ore Stockpile Collection Sump
Number of Overflow Events	Entire CODR Simulation	#	0	0	0	0	0	26 (Variable by Phase)	0	0	6	22 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Construction Phase	#	0	0	0	0	0	0	0	0	0	0	0	0
Number of Overflow Events	Operations Phase	#	0	0	0	0	0	23 (<5,000 m3)	0	0	5 (<30,000 m3)	20 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Active Closure Stage	#	0	0	0	0	0	3 (~50,000 m3)	0	0	1 (<1,000 m3)	2 (To West Bermed Runoff Collection Area)	0	0
Number of Overflow Events	Tansitional Monitoring Stage	#	0	0	0	0	0	0	0	0	0	0	0	0

Table F-8: Scenario 9: Sensitivity – Wet Cycle

Value	Summary Period	Units	I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
			Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	239	4278	236	103	11	312	2066	2781	0	3410	239	4278	103	0	109	11	6
Annual Nominal Rate	Construction Phase	m^3/day	746	338	997	11	75	121	90	1056	0	0	0	338	997	75	0	1	2	6
Annual Nominal Rate	Operations Phase	m^3/day	0	221	6651	393	145	0	510	0	5098	0	6252	221	6651	145	0	7	11	6
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	338	4702	182	150	0	221	5712	0	0	0	338	4702	150	0	7	11	6
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	196	101	0	0	0	0	97	0	0	0	196	101	0	0	419	11	6
Monthly Average Discharge Rate	**Entire CODC Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2684	0	3588	184	104	0	0	1523	2581	0	3199	0	3588	104	0	0	0	0
February	Entire Simulation	m^3/day	2691	0	3557	174	105	0	0	1549	2568	0	3191	0	3557	105	0	0	0	0
		m^3/day	2687	3	3571	176	105	0	14	1531	2581	0	3209	3	3571	105	0	4	0	0
April	Entire Simulation	m^3/day	2667	76	3866	211	105	5	164	1669	2782	0	3411	76	3866	105	0	74	7	4
May	Entire Simulation	m^3/day	2558	662	4465	246	106	19	467	2148	2873	0	3522	662	4465	106	0	296	29	16
June	Entire Simulation	m^3/day	2279	426	5143	297	96	27	812	2851	2919	0	3553	426	5143	96	0	204	19	10
July	Entire Simulation	m^3/day	2301	501	5117	294	98	25	782	2846	2915	0	3532	501	5117	98	0	252	24	13
August	Entire Simulation	m^3/day	2314	557	5009	293	101	21	666	2690	2912	0	3543	557	5009	101	0	222	22	12
September	Entire Simulation	m^3/day	2389	401	4907	280	99	21	559	2559	2903	0	3535	401	4907	99	0	175	16	9
October	Entire Simulation	m^3/day	2612	112	4455	252	104	6	143	2112	2875	0	3501	112	4455	104	0	49	5	2
November	Entire Simulation	m^3/day	2659	0	3787	211	105	0	0	1549	2785	0	3412	0	3787	105	0	0	0	0
December	Entire Simulation	m^3/day	2704	0	3635	194	105	0	0	1565	2608	0	3238	0	3635	105	0	0	0	0
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	0	417	19	68	0	0	435	0	0	0	0	417	68	0	0	0	0
February	Construction	m^3/day	753	0	489	0	76	0	0	491	0	0	0	0	489	76	0	0	0	0
March	Construction	m^3/day	746	0	471	0	76	0	0	459	0	0	0	0	471	76	0	0	0	0
April	Construction	m^3/day	746	61	886	7	75	40	123	952	0	0	0	61	886	75	0	2	3	3
May	Construction	m^3/day	746	620	1284	39	76	149	229	1304	0	0	0	620	1284	76	0	2	4	13
June	Construction	m^3/day	746	997	1637	11	77	362	167	1739	0	0	0	997	1637	77	0	3	4	13
July	Construction	m^3/day	746	641	1662	26	76	244	282	2107	0	0	0	641	1662	76	0	3	5	12
August	Construction	m^3/day	746	875	1455	18	76	289	99	1751	0	0	0	875	1455	76	0	1	2	13
September	Construction	m^3/day	746	579	1252	1	76	255	125	1281	0	0	0	579	1252	76	0	2	3	9
October	Construction	m^3/day	746	242	1040	8	75	93	42	940	0	0	0	242	1040	75	0	0	1	3
November	Construction	m^3/day	746	18	815	0	74	17	12	765	0	0	0	18	815	74	0	0	0	0
December	Construction	m^3/day	746	0	533	0	74	0	0	412	0	0	0	0	533	74	0	0	0	0
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4466	0	5571	329	148	0	0	1579	4731	0	5865	0	5571	148	0	0	0	0
February	Operations	m^3/day	4477	0	5598	318	149	0	0	1599	4709	0	5852	0	5598	149	0	0	0	0
March	Operations	m^3/day	4469	0	5608	317	149	0	17	1618	4731	0	5883	0	5608	149	0	0	0	0
April	Operations	m^3/day	4434	44	5999	359	149	0	226	1713	5051	0	6204	44	5999	149	0	3	6	3
May	Operations	m^3/day	4333	434	6626	398	150	0	642	2272	5255	0	6446	434	6626	150	0	16	26	13
June	Operations	m^3/day	3682	677	8005	468	137	0	1326	3544	5357	0	6530	677	8005	137	0	17	28	14
July	Operations	m^3/day	3795	376	7925	457	133	0	1303	3527	5340	0	6474	376	7925	133	0	14	24	12
August	Operations	m^3/day	3722	582	7801	462	141	0	1183	3373	5346	0	6500	582	7801	141	0	16	27	13
September	Operations	m^3/day	3961	359	7566	452	139	0	918	3173	5319	0	6485	359	7566	139	0	11	19	9
October	Operations	m^3/day	4194	159	7158	427	144	0	451	2687	5289	0	6444	159	7158	144	0	4	7	3
November	Operations	m^3/day	4398	9	6183	361	149	0	24	1799	5184	0	6331	9	6183	149	0	0	0	0
December	Operations	m^3/day	4466	0	5715	362	149	0	0	1610	4843	0	5994	0	5715	149	0	0	0	0
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	0	4062	29	151	0	0	5186	2	0	2	0	4062	151	0	0	0	0
February	Active Closure	m^3/day	1596	0	3832	15	149	0	0	5353	0	0	0	0	3832	149	0	0	0	0
March	Active Closure	m^3/day	1596	5	3901	5	149	0	14	5223	0	0	0	5	3901	149	0	0	1	0
April	Active Closure	m^3/day	1596	97	4146	82	149	0	80	5158	0	0	0	97	4146	149	0	3	5	3
May	Active Closure	m^3/day	1596	556	4503	161	151	0	172	5555	0	0	0	556	4503	151	0	15	24	12
June	Active Closure	m^3/day	1596	979	5674	357	153	0	613	6452	0	0	0	979	5674	153	0	17	27	14
July	Active Closure	m^3/day	1596	646	5619	361	152	0	566	6476	0	0	0	646	5619	152	0	15	24	12
August	Active Closure	m^3/day	1596	1085	5623	366	152	0	577	6181	0	0	0	1085	5623	152	0	19	31	15
September	Active Closure	m^3/day	1596	451	5518	338	151	0	416	6300	0	0	0	451	5518	151	0	10	17	8
October	Active Closure	m^3/day	1596	199	5212	278	150	0	200	5812	0	0	0	199	5212	150	0	4	7	3
November	Active Closure	m^3/day	1596	14	4410	167	149	0	1	5653	0	0	0	14	4410	149	0	0	0	0
December	Active Closure	m^3/day	1596	0	3877	21	149	0	0	5186	0	0	0	0	3877	149	0	0	0	0

Table F-8: Scenario 9: Sensitivity – Wet Cycle

Value	Summary Period	Units	I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
			Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	132	0	0	0	0	0	0	0	0	0	0
February	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0
March	Transtitional Monitoring	m^3/day	0	5	0	0	0	0	0	96	0	0	0	5	0	0	0	11	0	0
April	Transtitional Monitoring	m^3/day	0	97	0	0	0	0	0	94	0	0	0	97	0	0	0	209	6	3
May	Transtitional Monitoring	m^3/day	0	447	0	0	0	0	0	91	0	0	0	447	0	0	0	917	26	13
June	Transtitional Monitoring	m^3/day	0	491	0	0	0	0	0	90	0	0	0	491	0	0	0	1059	28	14
July	Transtitional Monitoring	m^3/day	0	409	0	0	0	0	0	89	0	0	0	409	0	0	0	881	24	12
August	Transtitional Monitoring	m^3/day	0	427	0	0	0	0	0	90	0	0	0	427	0	0	0	921	25	12
September	Transtitional Monitoring	m^3/day	0	340	0	0	0	0	0	92	0	0	0	340	0	0	0	732	20	10
October	Transtitional Monitoring	m^3/day	0	117	0	0	0	0	0	95	0	0	0	117	0	0	0	252	7	3
November	Transtitional Monitoring	m^3/day	0	9	0	0	0	0	0	96	0	0	0	9	0	0	0	19	1	0
December	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0

Table F-9: Scenario 10: Sensitivity Dry Cycle

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-Effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-Mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Annual Nominal Rate	Entire CODR Simulation	m^3/day	0	118	4109	222	105	8	227	1938	2743	0	3375	118	4109	105	0	78	8	4
Annual Nominal Rate	Construction Phase	m^3/day	746	157	901	10	75	86	89	1017	0	0	0	157	901	75	0	1	2	4
Annual Nominal Rate	Operations Phase	m^3/day	0	90	6408	378	148	0	369	0	5029	0	6188	90	6408	148	0	5	8	4
Annual Nominal Rate	Active Closure Stage	m^3/day	1596	174	4455	131	150	0	150	5559	0	0	0	174	4455	150	0	5	8	4
Annual Nominal Rate	Tansitional Monitoring Stage	m^3/day	0	140	101	0	0	0	0	96	0	0	0	140	101	0	0	298	8	4
Monthly Average Discharge Rate	**Entire CODC Simulation**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Entire Simulation	m^3/day	2685	0	3570	173	104	0	0	1511	2563	0	3190	0	3570	104	0	0	0	0
February	Entire Simulation	m^3/day	2692	0	3556	163	105	0	1	1557	2552	0	3180	0	3556	105	0	0	0	0
		m^3/day	2691	2	3551	166	105	0	6	1558	2565	0	3194	2	3551	105	0	3	0	0
April	Entire Simulation	m^3/day	2680	44	3728	207	105	8	118	1588	2722	0	3350	44	3728	105	0	46	4	2
May	Entire Simulation	m^3/day	2524	456	4454	253	104	19	498	2161	2864	0	3499	456	4454	104	0	241	23	12
June	Entire Simulation	m^3/day	2496	263	4954	290	102	12	619	2665	2896	0	3552	263	4954	102	0	158	16	8
July	Entire Simulation	m^3/day	2541	260	4941	281	104	29	592	2626	2890	0	3526	260	4941	104	0	203	19	10
August	Entire Simulation	m^3/day	2618	128	4723	262	106	13	375	2444	2880	0	3515	128	4723	106	0	129	12	7
September	Entire Simulation	m^3/day	2630	149	4382	253	105	6	260	2124	2875	0	3509	149	4382	105	0	80	8	4
October	Entire Simulation	m^3/day	2649	77	4054	216	105	6	140	1749	2838	0	3464	77	4054	105	0	44	4	2
November	Entire Simulation	m^3/day	2688	1	3597	202	105	1	3	1533	2626	0	3255	1	3597	105	0	0	0	0
December	Entire Simulation	m^3/day	2706	0	3617	185	105	0	0	1558	2592	0	3224	0	3617	105	0	0	0	0
Monthly Average Discharge Rate	**Construction**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Construction	m^3/day	734	0	320	15	68	0	0	352	0	0	0	0	320	68	0	0	0	0
February	Construction	m^3/day	753	0	562	0	76	0	0	543	0	0	0	0	562	76	0	0	0	0
March	Construction	m^3/day	746	0	409	0	76	0	0	412	0	0	0	0	409	76	0	0	0	0
April	Construction	m^3/day	746	52	748	0	75	52	43	726	0	0	0	52	748	75	0	1	1	2
May	Construction	m^3/day	746	702	1269	27	76	243	217	1352	0	0	0	702	1269	76	0	3	5	13
June	Construction	m^3/day	746	140	1301	16	75	129	189	1777	0	0	0	140	1301	75	0	1	2	6
July	Construction	m^3/day	746	399	1585	15	75	277	238	1760	0	0	0	399	1585	75	0	3	5	11
August	Construction	m^3/day	746	223	1369	19	75	158	163	1861	0	0	0	223	1369	75	0	2	3	7
September	Construction	m^3/day	746	198	1272	21	75	78	178	1622	0	0	0	198	1272	75	0	2	3	5
October	Construction	m^3/day	746	139	834	8	75	75	34	797	0	0	0	139	834	75	0	1	1	4
November	Construction	m^3/day	746	12	486	0	74	15	0	414	0	0	0	12	486	74	0	0	0	0
December	Construction	m^3/day	746	0	632	0	74	0	0	564	0	0	0	0	632	74	0	0	0	0
Monthly Average Discharge Rate	**Operations**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Operations	m^3/day	4469	0	5562	310	148	0	0	1571	4699	0	5848	0	5562	148	0	0	0	0
February	Operations	m^3/day	4477	0	5578	297	149	0	1	1616	4677	0	5829	0	5578	149	0	0	0	0
March	Operations	m^3/day	4476	0	5588	304	149	0	8	1602	4697	0	5849	0	5588	149	0	0	0	0
April	Operations	m^3/day	4458	4	5811	356	149	0	166	1621	4958	0	6112	4	5811	149	0	2	4	2
May	Operations	m^3/day	4218	395	6660	408	149	0	655	2295	5223	0	6391	395	6660	149	0	13	22	11
June	Operations	m^3/day	4098	250	7742	464	141	0	1096	3316	5313	0	6505	250	7742	141	0	11	19	9
July	Operations	m^3/day	4201	141	7610	446	145	0	956	3215	5297	0	6457	141	7610	145	0	12	20	10
August	Operations	m^3/day	4320	79	7421	432	150	0	684	3020	5283	0	6447	79	7421	150	0	8	14	7
September	Operations	m^3/day	4354	130	7005	423	150	0	510	2630	5278	0	6444	130	7005	150	0	7	11	6
October	Operations	m^3/day	4396	70	6518	382	150	0	303	2042	5255	0	6403	70	6518	150	0	4	7	3
November	Operations	m^3/day	4449	9	5764	376	149	0	30	1610	4932	0	6082	9	5764	149	0	0	1	0
December	Operations	m^3/day	4476	0	5583	338	149	0	0	1610	4714	0	5865	0	5583	149	0	0	0	0
Monthly Average Discharge Rate	**Active Closure**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Active Closure	m^3/day	1596	0	4026	24	151	0	0	5186	1	0	2	0	4026	151	0	0	0	0
February	Active Closure	m^3/day	1596	0	3855	0	149	0	0	5313	0	0	0	0	3855	149	0	0	0	0
March	Active Closure	m^3/day	1596	4	3843	0	149	0	0	5555	0	0	0	4	3843	149	0	0	0	0
April	Active Closure	m^3/day	1596	60	4035	66	149	0	49	5082	0	0	0	60	4035	149	0	2	4	2
May	Active Closure	m^3/day	1596	620	4708	180	151	0	254	5702	0	0	0	620	4708	151	0	13	22	11
June	Active Closure	m^3/day	1596	395	5417	321	151	0	510	6034	0	0	0	395	5417	151	0	12	19	10
July	Active Closure	m^3/day	1596	350	5359	314	151	0	392	6107	0	0	0	350	5359	151	0	12	20	10
August	Active Closure	m^3/day	1596	243	5056	271	150	0	245	5665	0	0	0	243	5056	150	0	8	14	7
September	Active Closure	m^3/day	1596	218	4985	228	150	0	235	6034	0	0	0	218	4985	150	0	7	11	6
October	Active Closure	m^3/day	1596	163	4400	140	150	0	95	5223	0	0	0	163	4400	150	0	4	6	3
November	Active Closure	m^3/day	1596	13	3895	22	149	0	17	5310	0	0	0	13	3895	149	0	0	1	0
December	Active Closure	m^3/day	1596	0	3848	0	149	0	0	5481	0	0	0	0	3848	149	0	0	0	0

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Table F-9: Scenario 10: Sensitivity Dry Cycle

Value	Summary Period		I01	AP01	AP02 Discharge	AP02 Recycled	AP03	AP04 Discharge	AP04 Recycled	AP05	AP06	AP07	AP08	Q01	Q02	Q03	Q04	Q05	Q06	Q07
		Units	Fresh Water Intake	Post West Bermed Runoff Collection Area	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Treated Effluent Monitoring Ponds (Pond 1, 2, 3, 4, and Contingency Pond)	Post Sewage Treatment Lagoons	Post Surface Runoff Pond #2	Post Surface Runoff Pond #2	Pre-Effluent Treatment Plant Feed	Post Mill Process	Post UGTMF Groundwater Discharge	Pre-Mill Process	West Surface Runoff Discharge	Effluent Discharge	Domestic Sewage Discharge	Groundwater Discharge	East Perimeter Freshwater Diversion	South Perimeter Freshwater Diversion Discharge	West Perimeter Freshwater Diversion Discharge
Monthly Average Discharge Rate	**Transitional Monitoring**	**Units**	**I01**	**AP01**	**AP02 Discharge**	**AP02 Recycled**	**AP03**	**AP04 Discharge**	**AP04 Recycled**	**AP05**	**AP06**	**AP07**	**AP08**	**Q01**	**Q02**	**Q03**	**Q04**	**Q05**	**Q06**	**Q07**
January	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	129	0	0	0	0	0	0	0	0	0	0
February	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	1	0	0
March	Transtitional Monitoring	m^3/day	0	3	0	0	0	0	0	96	0	0	0	3	0	0	0	7	0	0
April	Transtitional Monitoring	m^3/day	0	71	0	0	0	0	0	94	0	0	0	71	0	0	0	153	4	2
May	Transtitional Monitoring	m^3/day	0	403	0	0	0	0	0	91	0	0	0	403	0	0	0	824	23	12
June	Transtitional Monitoring	m^3/day	0	297	0	0	0	0	0	90	0	0	0	297	0	0	0	640	17	9
July	Transtitional Monitoring	m^3/day	0	353	0	0	0	0	0	89	0	0	0	353	0	0	0	760	20	10
August	Transtitional Monitoring	m^3/day	0	240	0	0	0	0	0	90	0	0	0	240	0	0	0	517	14	7
September	Transtitional Monitoring	m^3/day	0	188	0	0	0	0	0	92	0	0	0	188	0	0	0	405	11	5
October	Transtitional Monitoring	m^3/day	0	106	0	0	0	0	0	94	0	0	0	106	0	0	0	228	6	3
November	Transtitional Monitoring	m^3/day	0	9	0	0	0	0	0	96	0	0	0	9	0	0	0	20	1	0
December	Transtitional Monitoring	m^3/day	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0

Table F-10: Scenario 18: Sensitivity to Upset Conditions

ID	Description	Summary of Upset Condition Implications
P01	Post Treated Effluent Monitoring Ponds to Effluent Discharge	Treated Effluent Ponds overflows (28,000 m^3)
		Flow (7,500 m^3) recycled to Settling Pond which does not overflow
P02	Treated Effluent Tank to Treated Effluent Pond #1	Treated Effluent Tank overflows (48,000 m^3)
P03	Ore Stockpile Collection Sump to Settling Pond	No overflow, the Ore Stockpile Collection Sump has enough capacity to accumulate seven days of water before discharging
P04	Special Waste Collection Sump to Settling Pond	No overflow, the Special Waste Collection Sump has enough capacity to accumulate seven days of water before discharging
P13	Underground Main Sump to Settling Pond	Underground Main Sump overflows (8,600 m^3)
P14	Underground Below Sump to Settling Pond	Underground Below Sump overflows (18,000 m^3)
P15	Groundwater Inflow to Backfill to Underground Below Sump	Groundwater pooling (670 m^3)
P16	Groundwater Inflow to Shafts to Underground Below Sump	Groundwater pooling (5,000 m^3)
		Groundwater pooling (12,000 m^3)
P18	Treated Effluent Tank to Mill Process	No overflow, other outflows from Treated Effluent Tank are able to compensate
		Mill Process inflow does not meet demand (by 240 m^3/day), reflected in outflow P22
P19	Settling Pond to Mill Process	No overflow, other outflows from Settling Pond maintain the storage below capacity
		Mill Process inflow does not meet demand (by 3,500 m^3/day), reflected in outflow P22
P20	Freshwater Intake to Mill Process	No overflow, but unused intake (21,000 m^3)
		Mill Process inflow does not meet demand (by 3,000 m^3/day), reflected in outflow P22
P21	Mill Process to Underground Waste Disposal	Effluent Treatment Plant overflows (45 m^3) because P22 compensates for absence of P21
P22	Mill Process to Effluent Treatment Plant	No overflow, Mill Process has enough capacity to accumulate seven days of water before discharging
P23	PAG Runoff Collection Area to Settling Pond	No overflow, PAG Runoff Collection Area has enough capacity to accumulate seven days of water before discharging
P24	Surface Runoff Pond #1 to Settling Pond	No overflow, Surface Runoff Pond #1 has enough capacity to accumulate seven days of water before discharging
P26	Surface Runoff Pond #2 to Settling Pond	No overflow, Surface Runoff Pond #2 has enough capacity to accumulate seven days of water before discharging
P27	Contingency Pond to Settling Pond	No overflow, Contingency Pond has enough capacity to accumulate seven days of water before discharging
P28	Effluent Treatment Plant Sump to Settling Pond	No overflow, Effluent Treatment Plant Sump has enough capacity to accumulate seven days of water before discharging (no flow ever goes to the Effluent Treatment Plant Sump)
P29	Effluent Treatment Plant to Treated Effluent Tank	Effluent Treatment Plant overflows (55,000 m^3)
		Mill Process inflow does not meet demand (by 240 m^3/day), reflected in outflow P22
P33	Settling Pond to Pre-Effluent Treatment Plant Feed	Contingency Pond overflows (3,700 m^3)
P38	Treated Effluent Tank to Underground Activities	No overflow, other outflows from Treated Effluent Tank are able to compensate
P40	Post-Effluent Treatment Plant to Settling Pond	No overflow, Treated Effluent Ponds are able to discharge enough in the seven days to not recirculate the water to the Settling Pond
P50	Settling Pond to Contingency Pond	No overflow, other outflows from Settling Pond are able to compensate

APPENDIX G

Water Quality Results

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0041	0.023	0.000097	0.0000051	3.5	0.57	0.00020	0.000055	0.00012	0.085	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0083	0.037	0.00014	0.0000088	3.0	0.61	0.00018	0.00014	0.00012	0.072	0.000043	0.011	1.0	0.026	0.0000016
	May		0.014	0.058	0.00019	0.000014	2.6	0.71	0.00019	0.00025	0.00013	0.064	0.000042	0.011	0.88	0.033	0.0000019
	June		0.021	0.086	0.00028	0.000021	2.9	0.95	0.00023	0.00039	0.00016	0.074	0.000053	0.013	1.0	0.047	0.0000026
	July		0.032	0.13	0.00040	0.000031	3.1	1.3	0.00029	0.00059	0.00020	0.080	0.000063	0.015	1.0	0.066	0.0000035
	August		0.042	0.16	0.00051	0.000040	3.3	1.5	0.00033	0.00077	0.00024	0.086	0.000072	0.017	1.1	0.081	0.0000043
	September		0.043	0.17	0.00052	0.000041	2.9	1.5	0.00032	0.00080	0.00023	0.076	0.000068	0.016	0.96	0.082	0.0000043
	October		0.042	0.16	0.00051	0.000041	2.5	1.4	0.00029	0.00079	0.00022	0.068	0.000063	0.014	0.84	0.079	0.0000042
	November		0.040	0.15	0.00048	0.000038	2.2	1.3	0.00027	0.00074	0.00020	0.060	0.000057	0.013	0.74	0.074	0.0000039
	December		0.039	0.15	0.00047	0.000038	2.2	1.3	0.00027	0.00073	0.00020	0.059	0.000056	0.013	0.72	0.073	0.0000038
	January	**2026**	0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	February		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	March		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.058	0.000056	0.012	0.71	0.073	0.0000038
	April		0.037	0.14	0.00044	0.000035	1.8	1.2	0.00024	0.00069	0.00018	0.051	0.000051	0.011	0.61	0.068	0.0000035
	May		0.051	0.20	0.00060	0.000049	2.5	1.7	0.00033	0.00095	0.00025	0.069	0.000069	0.015	0.83	0.094	0.0000049
	June		0.055	0.21	0.00064	**0.000052**	2.6	1.8	0.00035	0.0010	0.00026	0.072	0.000073	0.016	0.86	0.10	0.0000052
	July		0.062	0.24	0.00073	**0.000059**	2.9	2.0	0.00039	0.0012	0.00029	0.080	0.000082	0.018	0.95	0.11	0.0000058
	August		0.054	0.21	0.00064	**0.000052**	2.5	1.7	0.00034	0.0010	0.00026	0.069	0.000071	0.016	0.81	0.099	0.0000051
	September		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.065	0.000067	0.015	0.76	0.093	0.0000048
	October		0.050	0.19	0.00059	0.000048	2.3	1.6	0.00031	0.00094	0.00023	0.063	0.000065	0.014	0.74	0.091	0.0000047
	November		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	December		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	January	**2027**	0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	February		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	March		0.047	0.18	0.00055	0.000044	2.1	1.5	0.00029	0.00087	0.00022	0.058	0.000060	0.013	0.68	0.085	0.0000044
	April		0.038	0.15	0.00045	0.000037	1.7	1.2	0.00024	0.00072	0.00018	0.048	0.000050	0.011	0.56	0.070	0.0000036
	May		0.041	0.16	0.00048	0.000039	1.8	1.3	0.00025	0.00077	0.00019	0.051	0.000053	0.012	0.59	0.075	0.0000038
	June		0.049	0.19	0.00057	0.000046	2.1	1.6	0.00030	0.00091	0.00023	0.060	0.000063	0.014	0.70	0.088	0.0000045
	July		0.049	0.19	0.00057	0.000047	2.1	1.6	0.00030	0.00092	0.00023	0.060	0.000063	0.014	0.70	0.089	0.0000046
	August		0.056	0.21	0.00066	**0.000053**	2.4	1.8	0.00034	0.0010	0.00026	0.069	0.000072	0.016	0.80	0.10	0.0000052
	September		0.068	0.26	0.00080	**0.000065**	2.9	2.2	0.00042	0.0013	0.00031	0.083	0.000087	0.019	0.96	0.12	0.0000063
	October		0.071	0.27	0.00083	**0.000067**	3.1	2.3	0.00043	0.0013	0.00033	0.086	0.000091	0.020	1.0	0.13	0.0000066
	November		0.062	0.24	0.00072	**0.000059**	2.7	2.0	0.00038	0.0011	0.00028	0.075	0.000079	0.017	0.88	0.11	0.0000057
	December		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	January	**2028**	0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	February		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	March		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	April		0.054	0.21	0.00076	**0.000052**	2.4	2.3	0.00035	0.0010	0.00030	0.073	0.000069	0.016	0.76	0.098	0.0000070
	May		0.047	0.18	0.00073	0.000046	2.0	2.3	0.00030	0.00090	0.00028	0.062	0.000058	0.014	0.60	0.085	0.0000070
	June		0.057	0.22	0.00085	**0.000055**	2.3	2.7	0.00036	0.0011	0.00032	0.071	0.000069	0.016	0.69	0.10	0.0000081
	July		0.065	0.25	0.00094	**0.000063**	2.4	2.9	0.00039	0.0012	0.00035	0.076	0.000076	0.017	0.73	0.12	0.0000087
	August		0.067	0.25	0.00093	**0.000064**	2.3	2.8	0.00039	0.0013	0.00034	0.073	0.000077	0.017	0.70	0.12	0.0000084
	September		0.069	0.26	0.00094	**0.000066**	2.3	2.8	0.00040	0.0013	0.00035	0.072	0.000078	0.017	0.69	0.12	0.0000084
	October		0.076	0.29	0.0010	**0.000073**	2.5	3.0	0.00044	0.0014	0.00038	0.078	0.000085	0.019	0.75	0.13	0.0000090
	November		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	December		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
		MINIMUM	0.0038	0.022	0.000095	0.0000049	1.7	0.57	0.00018	0.000050	0.00012	0.048	0.000042	0.011	0.56	0.021	0.0000014
		MAXIMUM	0.076	0.29	0.0010	**0.000073**	3.6	3.0	0.00044	0.0014	0.00038	0.086	0.000091	0.020	1.2	0.13	0.0000090
		AVERAGE	0.048	0.18	0.00059	0.000046	2.5	1.7	0.00032	0.00089	0.00024	0.070	0.000066	0.015	0.82	0.088	0.0000050
Operations	**January**	**2029**	0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	February		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	March		0.074	0.28	0.00099	**0.000071**	2.4	2.9	0.00042	0.0014	0.00036	0.075	0.000083	0.018	0.72	0.13	0.0000087
	April		0.058	0.22	0.00076	**0.000055**	1.8	2.2	0.00032	0.0011	0.00028	0.056	0.000064	0.014	0.54	0.10	0.0000065
	May		0.057	0.22	0.00074	**0.000055**	1.7	2.1	0.00032	0.0011	0.00027	0.054	0.000063	0.014	0.52	0.10	0.0000063
	June		0.061	0.23	0.00078	**0.000058**	1.8	2.2	0.00034	0.0012	0.00028	0.056	0.000067	0.014	0.54	0.11	0.0000066
	July		0.076	0.29	0.00095	**0.000072**	2.1	2.7	0.00041	0.0014	0.00034	0.067	0.000082	0.017	0.65	0.13	0.0000080
	August		0.086	0.33	0.0011	**0.000082**	2.3	3.0	0.00046	0.0016	0.00038	0.075	0.000092	0.020	0.72	0.15	0.0000089
	September		0.081	0.31	0.00100	**0.000077**	2.1	2.7	0.00043	0.0015	0.00036	0.068	0.000086	0.018	0.66	0.14	0.0000081
	October		0.082	0.31	0.0010	**0.000078**	2.2	2.8	0.00044	0.0016	0.00036	0.069	0.000088	0.018	0.66	0.14	0.0000082
	November		0.080	0.30	0.00098	**0.000076**	2.1	2.7	0.00043	0.0015	0.00035	0.067	0.000085	0.018	0.64	0.14	0.0000080
	December		0.080	0.30	0.00098	**0.000076**	2.1	2.7	0.00043	0.0015	0.00035	0.067	0.000085	0.018	0.64	0.14	0.0000080

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	January	2025	0.000053	0.000073	0.090	0.0075	0.0043	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000079	0.089	0.0075	0.0066	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00081
	April		0.000053	0.00019	0.077	0.0062	0.0063	0.0038	0.000043	1.2	0.025	1.4	0.0044	0.000046	0.00014	0.00099
	May		0.000057	0.00033	0.070	0.0054	0.0063	0.0034	0.000042	1.0	0.022	1.4	0.0043	0.000045	0.00014	0.0013
	June		0.000075	0.00051	0.082	0.0061	0.0080	0.0041	0.000053	1.2	0.026	1.8	0.0053	0.000055	0.00018	0.0018
	July		0.000095	0.00078	0.091	0.0064	0.0093	0.0046	0.000063	1.3	0.028	2.2	0.0063	0.000065	0.00022	0.0025
	August		0.00011	0.0010	0.100	0.0068	0.011	0.0051	0.000072	1.4	0.030	2.5	0.0072	0.000074	0.00026	0.0032
	September		0.00011	0.0010	0.090	0.0059	0.010	0.0046	0.000068	1.2	0.026	2.4	0.0068	0.000070	0.00025	0.0032
	October		0.00010	0.0010	0.081	0.0052	0.0094	0.0042	0.000063	1.1	0.023	2.2	0.0063	0.000065	0.00023	0.0031
	November		0.000096	0.00097	0.073	0.0046	0.0089	0.0038	0.000057	0.95	0.021	2.1	0.0058	0.000059	0.00021	0.0029
	December		0.000095	0.00096	0.072	0.0045	0.0093	0.0037	0.000056	0.93	0.020	2.0	0.0057	0.000058	0.00021	0.0028
	January	2026	0.000094	0.00096	0.071	0.0044	0.0097	0.0037	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	February		0.000094	0.00096	0.071	0.0044	0.010	0.0037	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	March		0.000094	0.00095	0.071	0.0044	0.011	0.0036	0.000056	0.91	0.020	2.0	0.0056	0.000057	0.00021	0.0028
	April		0.000086	0.00090	0.062	0.0038	0.0085	0.0032	0.000051	0.80	0.017	1.8	0.0051	0.000052	0.00019	0.0026
	May		0.00012	0.0012	0.085	0.0051	0.012	0.0044	0.000069	1.1	0.024	2.5	0.0070	0.000071	0.00026	0.0036
	June		0.00013	0.0013	0.089	0.0053	0.011	0.0046	0.000073	1.1	0.025	2.7	0.0074	0.000075	0.00027	0.0039
	July		0.00014	0.0015	0.099	0.0059	0.012	0.0052	0.000082	1.3	0.027	3.0	0.0082	0.000084	0.00031	0.0044
	August		0.00012	0.0013	0.086	0.0051	0.0096	0.0045	0.000071	1.1	0.024	2.6	0.0072	0.000073	0.00027	0.0038
	September		0.00012	0.0012	0.080	0.0047	0.0088	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	October		0.00011	0.0012	0.079	0.0046	0.0089	0.0041	0.000065	0.98	0.022	2.4	0.0066	0.000067	0.00025	0.0035
	November		0.00012	0.0012	0.080	0.0047	0.0097	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	December		0.00012	0.0012	0.080	0.0047	0.010	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	January	2027	0.00012	0.0012	0.080	0.0047	0.011	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	February		0.00012	0.0012	0.080	0.0047	0.012	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	March		0.00011	0.0011	0.073	0.0042	0.010	0.0038	0.000060	0.91	0.020	2.2	0.0061	0.000062	0.00023	0.0033
	April		0.000087	0.00093	0.059	0.0035	0.0076	0.0031	0.000050	0.74	0.016	1.8	0.0050	0.000051	0.00019	0.0027
	May		0.000093	0.0010	0.064	0.0037	0.0077	0.0033	0.000053	0.79	0.017	1.9	0.0053	0.000054	0.00020	0.0029
	June		0.00011	0.0012	0.075	0.0043	0.0087	0.0039	0.000063	0.93	0.020	2.3	0.0063	0.000064	0.00024	0.0034
	July		0.00011	0.0012	0.075	0.0044	0.0078	0.0039	0.000063	0.94	0.021	2.3	0.0063	0.000064	0.00024	0.0034
	August		0.00013	0.0014	0.086	0.0050	0.0088	0.0045	0.000072	1.1	0.023	2.6	0.0072	0.000074	0.00027	0.0039
	September		0.00015	0.0017	0.10	0.0060	0.011	0.0054	0.000087	1.3	0.028	3.2	0.0088	0.000089	0.00033	0.0048
	October		0.00016	0.0017	0.11	0.0063	0.013	0.0056	0.000091	1.3	0.030	3.3	0.0091	0.000093	0.00034	0.0050
	November		0.00014	0.0015	0.094	0.0055	0.011	0.0049	0.000079	1.2	0.026	2.9	0.0079	0.000081	0.00030	0.0043
	December		0.00014	0.0015	0.093	0.0054	0.012	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	January	2028	0.00014	0.0015	0.093	0.0054	0.013	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	February		0.00014	0.0015	0.093	0.0054	0.014	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	March		0.00014	0.0015	0.093	0.0054	0.014	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	April		0.00024	0.0013	0.081	0.0055	0.013	0.0092	0.000081	1.0	0.023	2.9	0.0083	0.0026	0.00030	0.0042
	May		0.00027	0.0012	0.065	0.0048	0.0099	0.010	0.000074	0.80	0.019	2.7	0.0076	0.0035	0.00027	0.0039
	June		0.00030	0.0014	0.077	0.0054	0.012	0.011	0.000086	0.93	0.021	3.1	0.0088	0.0038	0.00032	0.0046
	July		0.00031	0.0016	0.084	0.0056	0.012	0.011	0.000093	1.0	0.023	3.4	0.0095	0.0037	0.00035	0.0051
	August		0.00029	0.0017	0.083	0.0053	0.012	0.010	0.000091	0.98	0.022	3.3	0.0092	0.0032	0.00034	0.0051
	September		0.00028	0.0017	0.084	0.0052	0.012	0.0099	0.000092	0.98	0.022	3.4	0.0093	0.0029	0.00034	0.0052
	October		0.00030	0.0019	0.091	0.0056	0.014	0.010	0.000099	1.1	0.024	3.7	0.010	0.0030	0.00037	0.0057
	November		0.00029	0.0019	0.091	0.0055	0.014	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	December		0.00029	0.0019	0.091	0.0055	0.015	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
		MINIMUM	0.000053	0.000073	0.059	0.0035	0.0043	0.0031	0.000042	0.74	0.016	1.4	0.0043	0.000045	0.00014	0.00080
		MAXIMUM	0.00031	0.0019	0.11	0.0075	0.015	0.011	0.000099	1.4	0.030	3.7	0.010	0.0038	0.00037	0.0057
		AVERAGE	0.00014	0.0012	0.083	0.0053	0.010	0.0054	0.000069	1.1	0.023	2.5	0.0070	0.00065	0.00025	0.0035
Operations	January	2029	0.00029	0.0019	0.091	0.0055	0.016	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	February		0.00029	0.0019	0.091	0.0055	0.016	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	March		0.00028	0.0018	0.088	0.0054	0.016	0.010	0.000096	1.0	0.023	3.5	0.0097	0.0028	0.00036	0.0055
	April		0.00021	0.0014	0.067	0.0039	0.012	0.0071	0.000073	0.78	0.018	2.7	0.0073	0.0019	0.00027	0.0042
	May		0.00019	0.0014	0.066	0.0037	0.011	0.0066	0.000070	0.75	0.017	2.6	0.0071	0.0017	0.00027	0.0041
	June		0.00020	0.0015	0.069	0.0038	0.011	0.0066	0.000074	0.79	0.018	2.8	0.0074	0.0016	0.00028	0.0044
	July		0.00023	0.0019	0.084	0.0046	0.013	0.0078	0.000090	0.96	0.022	3.4	0.0090	0.0018	0.00034	0.0054
	August		0.00025	0.0021	0.095	0.0050	0.015	0.0083	0.00010	1.1	0.024	3.8	0.010	0.0018	0.00038	0.0061
	September		0.00023	0.0020	0.088	0.0046	0.013	0.0073	0.000093	0.99	0.022	3.5	0.0093	0.0014	0.00036	0.0057
	October		0.00023	0.0020	0.089	0.0046	0.014	0.0073	0.000094	1.00	0.022	3.5	0.0094	0.0014	0.00036	0.0058
	November		0.00022	0.0020	0.087	0.0045	0.014	0.0071	0.000091	0.97	0.022	3.4	0.0092	0.0013	0.00035	0.0056
	December		0.00022	0.0020	0.087	0.0044	0.015	0.0070	0.000091	0.97	0.022	3.4	0.0091	0.0013	0.00035	0.0056

GOLDER
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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2030	0.080	0.30	0.00098	**0.000076**	2.1	2.7	0.00043	0.0015	0.00035	0.067	0.000085	0.018	0.64	0.14	0.0000080
	February		0.079	0.30	0.00096	**0.000075**	2.1	2.6	0.00042	0.0015	0.00034	0.066	0.000083	0.017	0.63	0.14	0.0000078
	March		0.074	0.28	0.00090	**0.000070**	1.9	2.5	0.00039	0.0014	0.00032	0.062	0.000079	0.016	0.59	0.13	0.0000073
	April		0.062	0.24	0.00075	**0.000059**	1.6	2.0	0.00033	0.0012	0.00027	0.051	0.000066	0.014	0.49	0.11	0.0000061
	May		0.067	0.25	0.00081	**0.000064**	1.7	2.2	0.00035	0.0013	0.00029	0.054	0.000070	0.015	0.52	0.12	0.0000065
	June		0.062	0.23	0.00073	**0.000058**	1.5	1.9	0.00032	0.0012	0.00026	0.048	0.000064	0.013	0.46	0.11	0.0000058
	July		0.058	0.22	0.00069	**0.000055**	1.4	1.8	0.00030	0.0011	0.00024	0.045	0.000061	0.012	0.43	0.10	0.0000054
	August		0.066	0.25	0.00077	**0.000062**	1.5	2.0	0.00034	0.0012	0.00027	0.050	0.000068	0.014	0.48	0.11	0.0000060
	September		0.061	0.23	0.00071	**0.000058**	1.4	1.9	0.00031	0.0011	0.00025	0.046	0.000063	0.013	0.44	0.11	0.0000055
	October		0.060	0.23	0.00070	**0.000057**	1.4	1.8	0.00031	0.0011	0.00025	0.045	0.000062	0.013	0.43	0.10	0.0000055
	November		0.056	0.21	0.00065	**0.000053**	1.3	1.7	0.00028	0.0010	0.00023	0.041	0.000057	0.012	0.40	0.096	0.0000050
	December		0.054	0.21	0.00063	**0.000052**	1.3	1.6	0.00028	0.0010	0.00022	0.040	0.000056	0.011	0.39	0.094	0.0000049
	January	2031	0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.00099	0.00021	0.039	0.000054	0.011	0.37	0.091	0.0000047
	February		0.052	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.00099	0.00021	0.039	0.000054	0.011	0.37	0.090	0.0000047
	March		0.051	0.19	0.00060	0.000049	1.2	1.5	0.00026	0.00097	0.00021	0.038	0.000053	0.011	0.36	0.089	0.0000046
	April		0.043	0.16	0.00050	0.000041	0.98	1.3	0.00022	0.00081	0.00017	0.032	0.000044	0.0090	0.30	0.074	0.0000038
	May		0.044	0.17	0.00051	0.000042	1.0	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0093	0.31	0.076	0.0000039
	June		0.055	0.21	0.00064	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.040	0.000057	0.012	0.38	0.095	0.0000049
	July		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000069	0.014	0.47	0.12	0.0000060
	August		0.077	0.29	0.00088	**0.000073**	1.7	2.3	0.00039	0.0014	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000068
	September		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.055	0.000078	0.016	0.53	0.13	0.0000067
	October		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000072	0.015	0.49	0.12	0.0000062
	November		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000058
	December		0.065	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	January	2032	0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	February		0.064	0.24	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	March		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0010	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000049
	April		0.046	0.17	0.00053	0.000044	1.0	1.4	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.32	0.079	0.0000040
	May		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	June		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000060	0.012	0.41	0.10	0.0000052
	July		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.10	0.0000051
Operations	August		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000062	0.013	0.42	0.11	0.0000053
	September		0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	October		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	November		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000059
	December		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000059
	January	2033	0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000059
	February		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000059
	March		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	April		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	May		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	June		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000062	0.013	0.42	0.11	0.0000053
	July		0.074	0.28	0.00085	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.053	0.000076	0.015	0.51	0.13	0.0000065
	August		0.080	0.30	0.00091	**0.000075**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	September		0.080	0.30	0.00092	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	October		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	November		0.070	0.27	0.00080	**0.000067**	1.6	2.1	0.00035	0.0013	0.00028	0.050	0.000072	0.014	0.48	0.12	0.0000061
	December		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	January	2034	0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	February		0.069	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	March		0.065	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	April		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.092	0.0000047
	May		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	June		0.046	0.17	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.080	0.0000040
	July		0.044	0.17	0.00050	0.000041	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.075	0.0000038
	August		0.049	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.034	0.000049	0.010	0.33	0.084	0.0000042
	September		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	October		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	November		0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	December		0.050	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	January	2035	0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.036	0.000051	0.010	0.34	0.086	0.0000044
	February		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	March		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.00022	0.0020	0.087	0.0044	0.015	0.0070	0.000091	0.97	0.022	3.4	0.0091	0.0013	0.00035	0.0056
	February		0.00021	0.0019	0.085	0.0044	0.015	0.0069	0.000089	0.95	0.021	3.4	0.0090	0.0013	0.00034	0.0055
	March		0.00020	0.0018	0.080	0.0041	0.014	0.0064	0.000084	0.89	0.020	3.2	0.0084	0.0012	0.00032	0.0052
	April		0.00016	0.0015	0.066	0.0033	0.011	0.0051	0.000069	0.74	0.017	2.6	0.0070	0.00086	0.00027	0.0043
	May		0.00017	0.0017	0.071	0.0035	0.012	0.0053	0.000074	0.79	0.018	2.8	0.0075	0.00084	0.00029	0.0046
	June		0.00015	0.0015	0.064	0.0031	0.0098	0.0046	0.000067	0.71	0.016	2.5	0.0067	0.00063	0.00026	0.0042
	July	**2030**	0.00014	0.0014	0.060	0.0029	0.0085	0.0041	0.000063	0.66	0.015	2.4	0.0063	0.00048	0.00024	0.0040
	August		0.00015	0.0016	0.068	0.0031	0.0091	0.0044	0.000070	0.74	0.016	2.7	0.0070	0.00046	0.00027	0.0045
	September		0.00013	0.0015	0.062	0.0029	0.0083	0.0040	0.000064	0.68	0.015	2.5	0.0064	0.00036	0.00025	0.0041
	October		0.00013	0.0015	0.062	0.0028	0.0084	0.0039	0.000063	0.67	0.015	2.4	0.0064	0.00033	0.00025	0.0041
	November		0.00012	0.0014	0.057	0.0026	0.0081	0.0035	0.000058	0.62	0.014	2.2	0.0059	0.00028	0.00023	0.0038
	December		0.00012	0.0013	0.056	0.0025	0.0084	0.0034	0.000057	0.61	0.013	2.2	0.0057	0.00027	0.00022	0.0037
	January		0.00011	0.0013	0.054	0.0024	0.0084	0.0033	0.000055	0.58	0.013	2.1	0.0055	0.00026	0.00022	0.0036
	February		0.00011	0.0013	0.053	0.0024	0.0088	0.0033	0.000055	0.58	0.013	2.1	0.0055	0.00026	0.00021	0.0035
	March		0.00011	0.0013	0.052	0.0024	0.0089	0.0032	0.000054	0.57	0.013	2.1	0.0054	0.00025	0.00021	0.0035
	April		0.000091	0.0011	0.044	0.0020	0.0068	0.0026	0.000045	0.47	0.011	1.7	0.0045	0.00018	0.00018	0.0029
	May		0.000093	0.0011	0.045	0.0020	0.0064	0.0026	0.000046	0.49	0.011	1.8	0.0046	0.00015	0.00018	0.0030
	June		0.00011	0.0014	0.056	0.0025	0.0079	0.0033	0.000057	0.61	0.013	2.2	0.0057	0.00018	0.00022	0.0037
	July	**2031**	0.00014	0.0017	0.068	0.0030	0.0094	0.0039	0.000070	0.74	0.016	2.7	0.0070	0.00019	0.00027	0.0046
	August		0.00016	0.0019	0.077	0.0034	0.011	0.0044	0.000079	0.84	0.019	3.0	0.0079	0.00020	0.00031	0.0052
	September		0.00015	0.0019	0.077	0.0034	0.011	0.0044	0.000078	0.83	0.018	3.0	0.0078	0.00018	0.00031	0.0051
	October		0.00014	0.0017	0.071	0.0031	0.010	0.0040	0.000073	0.77	0.017	2.8	0.0073	0.00016	0.00029	0.0048
	November		0.00013	0.0016	0.066	0.0029	0.0098	0.0037	0.000067	0.72	0.016	2.6	0.0068	0.00014	0.00026	0.0044
	December		0.00013	0.0016	0.066	0.0029	0.010	0.0037	0.000067	0.71	0.016	2.6	0.0067	0.00014	0.00026	0.0044
	January		0.00013	0.0016	0.065	0.0029	0.011	0.0037	0.000066	0.70	0.016	2.5	0.0066	0.00014	0.00026	0.0043
	February		0.00013	0.0016	0.065	0.0029	0.011	0.0037	0.000066	0.70	0.016	2.5	0.0066	0.00014	0.00026	0.0043
	March		0.00011	0.0014	0.056	0.0025	0.0093	0.0031	0.000057	0.61	0.013	2.2	0.0057	0.00012	0.00022	0.0037
	April		0.000093	0.0011	0.046	0.0020	0.0070	0.0026	0.000047	0.50	0.011	1.8	0.0047	0.000087	0.00019	0.0031
	May		0.000098	0.0012	0.049	0.0022	0.0073	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000087	0.00020	0.0033
	June	**2032**	0.00012	0.0015	0.059	0.0026	0.0087	0.0033	0.000061	0.64	0.014	2.3	0.0061	0.000099	0.00024	0.0040
	July		0.00012	0.0014	0.058	0.0025	0.0081	0.0032	0.000059	0.63	0.014	2.3	0.0060	0.000091	0.00023	0.0039
Operations	**August**		0.00012	0.0015	0.061	0.0027	0.0082	0.0034	0.000062	0.66	0.015	2.4	0.0063	0.000089	0.00025	0.0041
	September		0.00014	0.0017	0.069	0.0030	0.0095	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000097	0.00028	0.0046
	October		0.00014	0.0017	0.070	0.0030	0.010	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000097	0.00028	0.0047
	November		0.00014	0.0017	0.068	0.0030	0.010	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000094	0.00027	0.0046
	December		0.00014	0.0017	0.068	0.0030	0.011	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000094	0.00027	0.0046
	January		0.00014	0.0017	0.068	0.0030	0.011	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000094	0.00027	0.0046
	February		0.00014	0.0017	0.068	0.0030	0.012	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000094	0.00027	0.0046
	March		0.00013	0.0017	0.068	0.0030	0.012	0.0037	0.000069	0.73	0.016	2.7	0.0069	0.000094	0.00027	0.0045
	April		0.00010	0.0013	0.052	0.0023	0.0084	0.0029	0.000053	0.56	0.012	2.0	0.0053	0.000069	0.00021	0.0035
	May		0.00011	0.0013	0.054	0.0024	0.0081	0.0030	0.000055	0.58	0.013	2.1	0.0055	0.000068	0.00022	0.0036
	June	**2033**	0.00012	0.0015	0.061	0.0027	0.0090	0.0034	0.000062	0.66	0.015	2.4	0.0063	0.000075	0.00025	0.0041
	July		0.00015	0.0018	0.074	0.0032	0.011	0.0041	0.000076	0.80	0.018	2.9	0.0076	0.000090	0.00030	0.0050
	August		0.00016	0.0020	0.080	0.0035	0.011	0.0044	0.000081	0.86	0.019	3.1	0.0081	0.000094	0.00032	0.0053
	September		0.00016	0.0020	0.080	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000094	0.00032	0.0054
	October		0.00016	0.0020	0.080	0.0035	0.012	0.0044	0.000082	0.86	0.019	3.1	0.0082	0.000093	0.00032	0.0054
	November		0.00014	0.0017	0.070	0.0031	0.011	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000081	0.00028	0.0047
	December		0.00014	0.0017	0.070	0.0030	0.011	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000080	0.00028	0.0047
	January		0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000080	0.00028	0.0047
	February		0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000080	0.00028	0.0047
	March		0.00013	0.0016	0.065	0.0028	0.011	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000075	0.00026	0.0044
	April		0.00011	0.0013	0.054	0.0023	0.0088	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000061	0.00022	0.0036
	May		0.00011	0.0013	0.054	0.0024	0.0086	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000061	0.00022	0.0036
	June		0.000091	0.0011	0.046	0.0020	0.0061	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000050	0.00019	0.0031
	July	**2034**	0.000086	0.0011	0.044	0.0019	0.0051	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000047	0.00018	0.0029
	August		0.000096	0.0012	0.049	0.0021	0.0056	0.0026	0.000050	0.52	0.012	1.9	0.0050	0.000051	0.00019	0.0033
	September		0.000098	0.0012	0.050	0.0022	0.0057	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000052	0.00020	0.0033
	October		0.00011	0.0013	0.054	0.0024	0.0067	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000057	0.00022	0.0036
	November		0.00010	0.0013	0.053	0.0023	0.0071	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	December		0.000099	0.0012	0.050	0.0022	0.0072	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000053	0.00020	0.0034
	January		0.000099	0.0012	0.050	0.0022	0.0076	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	February	**2035**	0.000097	0.0012	0.050	0.0022	0.0079	0.0027	0.000050	0.53	0.012	1.9	0.0051	0.000052	0.00020	0.0033
	March		0.000097	0.0012	0.050	0.0022	0.0083	0.0027	0.000050	0.53	0.012	1.9	0.0051	0.000052	0.00020	0.0033

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	May		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	June		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.082	0.0000042
	July		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	August	**2035**	0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000058
	October		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	November		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	December		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	January		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	February		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	March		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000054
	April		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	May		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	June	**2036**	0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	July		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	August		0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.58	0.15	0.0000075
	September		0.093	0.35	0.0011	**0.000088**	2.1	2.7	0.00047	0.0018	0.00037	0.066	0.000095	0.019	0.63	0.16	0.0000081
	October		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000089	0.018	0.59	0.15	0.0000075
	November		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	December		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	January		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	February		0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0014	0.00030	0.055	0.000078	0.016	0.52	0.13	0.0000067
	March		0.074	0.28	0.00085	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.053	0.000076	0.015	0.50	0.13	0.0000064
	April		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000049
	May		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June	**2037**	0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	July		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000048
	August		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	September		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000067	0.014	0.45	0.11	0.0000057
	October		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
Operations	**November**		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000058
	December		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	January		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	February		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	March		0.056	0.21	0.00063	**0.000053**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000057	0.011	0.38	0.096	0.0000048
	April		0.045	0.17	0.00051	0.000042	0.99	1.3	0.00022	0.00084	0.00018	0.032	0.000046	0.0092	0.30	0.077	0.0000039
	May		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.33	0.085	0.0000043
	June	**2038**	0.058	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	July		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00034	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	August		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	September		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000068
	October		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00034	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	November		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	December		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	January		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	February		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000049
	March		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	April		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	May		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	June	**2039**	0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000068
	July		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000069
	August		0.061	0.23	0.00069	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	September		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	October		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	November		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	December		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	January		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	February		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	March	**2040**	0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	April		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.27	0.069	0.0000035
	May		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	June		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.000090	0.0011	0.046	0.0020	0.0074	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000048	0.00018	0.0031
	May		0.000086	0.0011	0.044	0.0019	0.0064	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	June		0.000094	0.0012	0.048	0.0021	0.0066	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000050	0.00019	0.0032
	July		0.00010	0.0013	0.053	0.0023	0.0070	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	August	**2035**	0.00013	0.0016	0.064	0.0028	0.0084	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	September		0.00013	0.0017	0.067	0.0029	0.0090	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	October		0.00013	0.0016	0.066	0.0029	0.0091	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000068	0.00026	0.0044
	November		0.00013	0.0016	0.065	0.0028	0.0095	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	December		0.00013	0.0016	0.065	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	January		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	February		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	March		0.00012	0.0015	0.062	0.0027	0.011	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0041
	April		0.000093	0.0012	0.047	0.0020	0.0073	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	May		0.000092	0.0011	0.047	0.0020	0.0068	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	June		0.00011	0.0014	0.057	0.0025	0.0082	0.0031	0.000058	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0038
	July	**2036**	0.00013	0.0016	0.064	0.0028	0.0089	0.0035	0.000065	0.69	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	August		0.00017	0.0021	0.086	0.0037	0.012	0.0047	0.000088	0.93	0.021	3.4	0.0088	0.000088	0.00034	0.0058
	September		0.00018	0.0023	0.093	0.0041	0.014	0.0051	0.000095	1.0	0.022	3.6	0.0095	0.000096	0.00037	0.0063
	October		0.00017	0.0021	0.087	0.0038	0.013	0.0047	0.000089	0.94	0.021	3.4	0.0089	0.000089	0.00035	0.0058
	November		0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	December		0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	January		0.00016	0.0020	0.082	0.0036	0.014	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	February		0.00015	0.0019	0.077	0.0033	0.013	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0052
	March		0.00015	0.0018	0.074	0.0032	0.013	0.0040	0.000076	0.80	0.018	2.9	0.0076	0.000076	0.00030	0.0050
	April		0.00011	0.0014	0.057	0.0025	0.0090	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	May		0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00012	0.0015	0.060	0.0026	0.0088	0.0032	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	July	**2037**	0.00011	0.0013	0.055	0.0024	0.0073	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	August		0.00014	0.0017	0.070	0.0030	0.0092	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	September		0.00013	0.0016	0.066	0.0028	0.0086	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	October		0.00013	0.0017	0.068	0.0030	0.0094	0.0037	0.000069	0.74	0.016	2.7	0.0069	0.000070	0.00027	0.0046
Operations	**November**		0.00013	0.0017	0.067	0.0029	0.0100	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	December		0.00013	0.0016	0.067	0.0029	0.010	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	January		0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	February		0.00013	0.0016	0.066	0.0029	0.011	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000068	0.00027	0.0044
	March		0.00011	0.0014	0.056	0.0024	0.0091	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	April		0.000088	0.0011	0.045	0.0019	0.0066	0.0024	0.000046	0.48	0.011	1.7	0.0046	0.000046	0.00018	0.0030
	May		0.000097	0.0012	0.049	0.0021	0.0073	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	June		0.00011	0.0014	0.058	0.0025	0.0084	0.0031	0.000059	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0039
	July	**2038**	0.00013	0.0016	0.067	0.0029	0.0095	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	August		0.00016	0.0020	0.080	0.0035	0.011	0.0043	0.000081	0.86	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	September		0.00015	0.0019	0.079	0.0034	0.011	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00032	0.0053
	October		0.00013	0.0016	0.067	0.0029	0.0094	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	November		0.00013	0.0016	0.064	0.0028	0.0094	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00025	0.0043
	December		0.00012	0.0016	0.063	0.0028	0.0100	0.0034	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00025	0.0043
	January		0.00012	0.0016	0.063	0.0028	0.010	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	February		0.00011	0.0014	0.057	0.0025	0.0093	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	March		0.00011	0.0013	0.054	0.0024	0.0090	0.0030	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	April		0.00011	0.0013	0.055	0.0024	0.0091	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	May		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	June		0.00016	0.0019	0.079	0.0034	0.013	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00032	0.0053
	July	**2039**	0.00016	0.0019	0.079	0.0034	0.012	0.0043	0.000080	0.85	0.019	3.1	0.0081	0.000081	0.00032	0.0053
	August		0.00012	0.0015	0.061	0.0026	0.0084	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000062	0.00024	0.0041
	September		0.00012	0.0015	0.062	0.0027	0.0087	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	October		0.00012	0.0014	0.059	0.0026	0.0083	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000061	0.00024	0.0040
	November		0.00011	0.0013	0.054	0.0024	0.0079	0.0030	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	December		0.00011	0.0013	0.054	0.0024	0.0084	0.0029	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	January		0.00011	0.0013	0.054	0.0024	0.0089	0.0029	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	February		0.00011	0.0013	0.054	0.0024	0.0092	0.0029	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	March	**2040**	0.000089	0.0011	0.045	0.0020	0.0072	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	April		0.000079	0.00099	0.040	0.0017	0.0059	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000083	0.0010	0.042	0.0018	0.0059	0.0023	0.000043	0.46	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	June		0.000089	0.0011	0.045	0.0020	0.0059	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000047	0.00018	0.0030

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	July	2040	0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0095	0.31	0.079	0.0000040
	August		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	October		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	November		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	December		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	January	2041	0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	February		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	March		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.42	0.11	0.0000053
	April		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	May		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	June		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	July		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	August		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	September		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	October		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	November		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.32	0.082	0.0000041
	December		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0098	0.32	0.082	0.0000041
	January	2042	0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0098	0.32	0.082	0.0000041
	February		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0098	0.32	0.082	0.0000041
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.32	0.080	0.0000040
	April		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.27	0.069	0.0000035
	May		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.042	0.16	0.00048	0.000040	0.92	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.29	0.072	0.0000036
	July		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	August		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	September		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0095	0.31	0.079	0.0000040
	October		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.070	0.0000035
	November		0.040	0.15	0.00045	0.000037	0.87	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	December		0.040	0.15	0.00045	0.000037	0.87	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
Operations	January	2043	0.040	0.15	0.00045	0.000037	0.87	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	February		0.040	0.15	0.00045	0.000037	0.87	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	March		0.040	0.15	0.00045	0.000037	0.87	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	April		0.036	0.14	0.00042	0.000034	0.80	1.1	0.00018	0.00069	0.00014	0.026	0.000037	0.0075	0.25	0.063	0.0000032
	May		0.038	0.15	0.00044	0.000036	0.85	1.1	0.00019	0.00072	0.00015	0.027	0.000039	0.0079	0.26	0.066	0.0000033
	June		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.070	0.0000035
	July		0.045	0.17	0.00051	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	August		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	September		0.041	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	October		0.037	0.14	0.00042	0.000035	0.81	1.1	0.00018	0.00069	0.00015	0.026	0.000037	0.0076	0.25	0.063	0.0000032
	November		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00014	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	December		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	January	2044	0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0070	0.23	0.059	0.0000030
	February		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0070	0.23	0.059	0.0000030
	March		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	April		0.033	0.13	0.00038	0.000031	0.73	0.97	0.00017	0.00062	0.00013	0.024	0.000034	0.0069	0.23	0.057	0.0000029
	May		0.041	0.15	0.00046	0.000039	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	June		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.036	0.000051	0.010	0.34	0.086	0.0000043
	July		0.052	0.20	0.00060	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	August		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000070	0.014	0.46	0.12	0.0000059
	September		0.083	0.31	0.00095	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	October		0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000073
	November		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000087	0.018	0.58	0.15	0.0000074
	December		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.57	0.15	0.0000073
	January	2045	0.084	0.32	0.00096	**0.000080**	1.9	2.5	0.00042	0.0016	0.00033	0.060	0.000086	0.017	0.57	0.15	0.0000073
	February		0.084	0.32	0.00096	**0.000080**	1.9	2.5	0.00042	0.0016	0.00033	0.060	0.000086	0.017	0.57	0.15	0.0000073
	March		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000068
	April		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	May		0.064	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	July		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.48	0.12	0.0000062
	August		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000081	0.016	0.54	0.14	0.0000069
	September		0.086	0.33	0.00098	**0.000082**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.59	0.15	0.0000075

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.000090	0.0011	0.046	0.0020	0.0054	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	August		0.00013	0.0016	0.064	0.0028	0.0080	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	September	**2040**	0.00013	0.0017	0.068	0.0029	0.0088	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	October		0.00012	0.0016	0.063	0.0028	0.0084	0.0034	0.000064	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	November		0.00013	0.0016	0.064	0.0028	0.0091	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	December		0.00013	0.0016	0.064	0.0028	0.0097	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	January		0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	February		0.00013	0.0016	0.064	0.0028	0.011	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	March		0.00012	0.0015	0.061	0.0027	0.011	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00025	0.0041
	April		0.000098	0.0012	0.050	0.0022	0.0079	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	May		0.00010	0.0013	0.053	0.0023	0.0081	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	June	**2041**	0.00013	0.0017	0.068	0.0029	0.010	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	July		0.00014	0.0018	0.072	0.0031	0.010	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	August		0.000096	0.0012	0.049	0.0021	0.0060	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	September		0.000091	0.0011	0.046	0.0020	0.0055	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	October		0.000096	0.0012	0.049	0.0021	0.0061	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000094	0.0012	0.048	0.0021	0.0064	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	December		0.000094	0.0012	0.048	0.0021	0.0070	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	January		0.000094	0.0012	0.048	0.0021	0.0074	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	February		0.000094	0.0012	0.048	0.0021	0.0078	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	March		0.000091	0.0011	0.046	0.0020	0.0078	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	April		0.000079	0.00098	0.040	0.0017	0.0062	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000081	0.0010	0.041	0.0018	0.0061	0.0022	0.000042	0.45	0.0099	1.6	0.0042	0.000042	0.00017	0.0028
	June		0.000083	0.0010	0.042	0.0018	0.0056	0.0023	0.000043	0.45	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	July	**2042**	0.000083	0.0010	0.042	0.0018	0.0048	0.0023	0.000043	0.46	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	August		0.000086	0.0011	0.044	0.0019	0.0049	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	September		0.000090	0.0011	0.046	0.0020	0.0051	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000047	0.00018	0.0031
	October		0.000079	0.00099	0.040	0.0018	0.0045	0.0022	0.000041	0.44	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	November		0.000078	0.00097	0.040	0.0017	0.0049	0.0022	0.000040	0.43	0.0095	1.5	0.0040	0.000041	0.00016	0.0027
	December		0.000078	0.00097	0.040	0.0017	0.0054	0.0022	0.000040	0.43	0.0095	1.5	0.0040	0.000041	0.00016	0.0027
	January		0.000078	0.00097	0.040	0.0017	0.0059	0.0022	0.000040	0.43	0.0095	1.5	0.0040	0.000041	0.00016	0.0027
Operations	**February**		0.000078	0.00097	0.040	0.0017	0.0062	0.0022	0.000040	0.43	0.0095	1.5	0.0040	0.000041	0.00016	0.0027
	March		0.000078	0.00097	0.040	0.0017	0.0065	0.0022	0.000040	0.43	0.0095	1.5	0.0040	0.000041	0.00016	0.0027
	April		0.000072	0.00089	0.036	0.0016	0.0056	0.0020	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	May		0.000075	0.00094	0.038	0.0017	0.0053	0.0021	0.000039	0.41	0.0092	1.5	0.0039	0.000039	0.00015	0.0026
	June		0.000079	0.00099	0.040	0.0018	0.0051	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000041	0.00016	0.0027
	July	**2043**	0.000089	0.0011	0.045	0.0020	0.0054	0.0024	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	August		0.000087	0.0011	0.044	0.0019	0.0049	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0029
	September		0.000080	0.00099	0.041	0.0018	0.0043	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	October		0.000072	0.00090	0.037	0.0016	0.0039	0.0020	0.000037	0.40	0.0088	1.4	0.0037	0.000038	0.00015	0.0025
	November		0.000067	0.00084	0.034	0.0015	0.0039	0.0019	0.000035	0.37	0.0082	1.3	0.0035	0.000035	0.00014	0.0023
	December		0.000067	0.00083	0.034	0.0015	0.0043	0.0018	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	January		0.000067	0.00083	0.034	0.0015	0.0047	0.0018	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	February		0.000067	0.00083	0.034	0.0015	0.0051	0.0018	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	March		0.000067	0.00083	0.034	0.0015	0.0053	0.0018	0.000034	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	April		0.000065	0.00081	0.033	0.0014	0.0046	0.0018	0.000034	0.36	0.0079	1.3	0.0034	0.000034	0.00013	0.0022
	May		0.000080	0.00100	0.041	0.0018	0.0056	0.0022	0.000041	0.44	0.0097	1.6	0.0042	0.000042	0.00016	0.0027
	June		0.000099	0.0012	0.050	0.0022	0.0068	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0034
	July	**2044**	0.00010	0.0013	0.052	0.0023	0.0066	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	August		0.00013	0.0017	0.068	0.0030	0.0088	0.0037	0.000070	0.74	0.016	2.7	0.0070	0.000070	0.00027	0.0046
	September		0.00016	0.0020	0.083	0.0036	0.011	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
	October		0.00016	0.0021	0.084	0.0036	0.012	0.0045	0.000085	0.90	0.020	3.3	0.0085	0.000086	0.00034	0.0056
	November		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000087	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	December		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000086	0.91	0.020	3.3	0.0086	0.000087	0.00034	0.0057
	January		0.00017	0.0021	0.084	0.0037	0.014	0.0046	0.000086	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0057
	February		0.00017	0.0021	0.084	0.0037	0.014	0.0046	0.000086	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0057
	March		0.00016	0.0019	0.079	0.0034	0.014	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00032	0.0053
	April		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	May	**2045**	0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00013	0.0017	0.068	0.0029	0.010	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	July		0.00014	0.0017	0.071	0.0031	0.010	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	August		0.00016	0.0019	0.079	0.0034	0.011	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000081	0.00032	0.0053
	September		0.00017	0.0021	0.086	0.0037	0.013	0.0047	0.000088	0.93	0.021	3.4	0.0088	0.000088	0.00035	0.0058

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000087	0.018	0.58	0.15	0.0000074
	November	**2045**	0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	December		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	January		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000080	0.016	0.53	0.13	0.0000068
	February		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000080	0.016	0.53	0.13	0.0000068
	March		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.48	0.12	0.0000062
	April		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	May		0.062	0.23	0.00071	**0.000058**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	June		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	July	**2046**	0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000060	0.012	0.40	0.10	0.0000051
	August		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.098	0.0000050
	September		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	October		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	November		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.080	0.0000040
	December		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	January		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	February		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	March		0.045	0.17	0.00051	0.000042	0.99	1.3	0.00023	0.00084	0.00018	0.032	0.000046	0.0092	0.30	0.077	0.0000039
	April		0.041	0.16	0.00047	0.000039	0.90	1.2	0.00021	0.00077	0.00016	0.029	0.000042	0.0084	0.28	0.071	0.0000036
	May		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	July	**2047**	0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	August		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	September		0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	October		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	November		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	December		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000060	0.012	0.40	0.10	0.0000051
	January		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	February		0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	March		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	April		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
Operations	**May**		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.092	0.0000047
	June		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	July	**2048**	0.059	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	August		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.32	0.082	0.0000041
	September		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.033	0.000047	0.0095	0.31	0.079	0.0000040
	October		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	November		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	December		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.074	0.0000037
	January		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.27	0.070	0.0000035
	February		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.069	0.0000035
	March		0.038	0.15	0.00044	0.000036	0.85	1.1	0.00019	0.00072	0.00015	0.027	0.000039	0.0079	0.26	0.066	0.0000033
	April		0.037	0.14	0.00042	0.000035	0.81	1.1	0.00019	0.00069	0.00015	0.026	0.000037	0.0076	0.25	0.063	0.0000032
	May		0.041	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	June		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00018	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	July	**2049**	0.043	0.16	0.00049	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.29	0.075	0.0000038
	August		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0096	0.31	0.080	0.0000040
	September		0.043	0.16	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.29	0.075	0.0000038
	October		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00073	0.00015	0.028	0.000040	0.0081	0.27	0.067	0.0000034
	November		0.035	0.13	0.00040	0.000034	0.78	1.0	0.00018	0.00067	0.00014	0.025	0.000036	0.0074	0.24	0.061	0.0000031
	December		0.035	0.13	0.00040	0.000033	0.78	1.0	0.00018	0.00067	0.00014	0.025	0.000036	0.0073	0.24	0.061	0.0000031
	January		0.035	0.13	0.00040	0.000033	0.78	1.0	0.00018	0.00067	0.00014	0.025	0.000036	0.0073	0.24	0.061	0.0000031
	February		0.035	0.13	0.00040	0.000033	0.78	1.0	0.00018	0.00067	0.00014	0.025	0.000036	0.0073	0.24	0.061	0.0000031
	March		0.035	0.13	0.00040	0.000033	0.77	1.0	0.00018	0.00066	0.00014	0.025	0.000036	0.0072	0.24	0.060	0.0000030
	April		0.032	0.12	0.00037	0.000031	0.71	0.94	0.00016	0.00061	0.00013	0.023	0.000033	0.0067	0.22	0.056	0.0000028
	May		0.034	0.13	0.00039	0.000032	0.74	0.98	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	June		0.037	0.14	0.00042	0.000035	0.81	1.1	0.00019	0.00069	0.00015	0.026	0.000038	0.0076	0.25	0.064	0.0000032
	July	**2050**	0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	August		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	September		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	October		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	December		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000087	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	November	**2045**	0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	December		0.00016	0.0020	0.081	0.0035	0.013	0.0044	0.000082	0.87	0.019	3.2	0.0082	0.000083	0.00032	0.0054
	January		0.00015	0.0019	0.078	0.0034	0.013	0.0042	0.000080	0.84	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	February		0.00015	0.0019	0.078	0.0034	0.014	0.0042	0.000080	0.84	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	March		0.00014	0.0017	0.071	0.0031	0.012	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	April		0.00012	0.0015	0.062	0.0027	0.011	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	May		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	June		0.00012	0.0015	0.062	0.0027	0.0096	0.0033	0.000063	0.66	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	July	**2046**	0.00012	0.0015	0.059	0.0026	0.0085	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000061	0.00024	0.0040
	August		0.00011	0.0014	0.057	0.0025	0.0076	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	September		0.00011	0.0013	0.053	0.0023	0.0069	0.0029	0.000054	0.58	0.013	2.1	0.0055	0.000055	0.00021	0.0036
	October		0.000096	0.0012	0.049	0.0021	0.0063	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000091	0.0011	0.046	0.0020	0.0062	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	December		0.000090	0.0011	0.046	0.0020	0.0066	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	January		0.000090	0.0011	0.046	0.0020	0.0071	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	February		0.000090	0.0011	0.046	0.0020	0.0074	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	March		0.000088	0.0011	0.045	0.0019	0.0075	0.0024	0.000046	0.48	0.011	1.7	0.0046	0.000046	0.00018	0.0030
	April		0.000080	0.0010	0.041	0.0018	0.0065	0.0022	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00016	0.0027
	May		0.000081	0.0010	0.041	0.0018	0.0059	0.0022	0.000042	0.45	0.0099	1.6	0.0042	0.000042	0.00017	0.0028
	June		0.00010	0.0013	0.051	0.0022	0.0071	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	July	**2047**	0.00011	0.0013	0.055	0.0024	0.0071	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	August		0.00011	0.0013	0.054	0.0023	0.0066	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	September		0.00011	0.0014	0.057	0.0025	0.0072	0.0031	0.000059	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0039
	October		0.00012	0.0015	0.061	0.0026	0.0080	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000062	0.00024	0.0041
	November		0.00012	0.0015	0.059	0.0026	0.0083	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000061	0.00024	0.0040
	December		0.00011	0.0014	0.058	0.0025	0.0087	0.0032	0.000060	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
	January		0.00011	0.0014	0.058	0.0025	0.0091	0.0031	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	February		0.00011	0.0014	0.057	0.0025	0.0095	0.0031	0.000058	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0038
	March		0.00011	0.0014	0.057	0.0025	0.0098	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	April		0.00011	0.0013	0.054	0.0023	0.0093	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
Operations	**May**		0.00011	0.0013	0.054	0.0023	0.0089	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	June		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	July	**2048**	0.00012	0.0014	0.059	0.0025	0.0084	0.0032	0.000060	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
	August		0.000094	0.0012	0.048	0.0021	0.0059	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	September		0.000090	0.0011	0.046	0.0020	0.0055	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	October		0.000086	0.0011	0.044	0.0019	0.0055	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	November		0.000086	0.0011	0.044	0.0019	0.0059	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	December		0.000084	0.0010	0.043	0.0019	0.0062	0.0023	0.000043	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	January		0.000079	0.00099	0.040	0.0018	0.0060	0.0022	0.000041	0.44	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	February		0.000078	0.00097	0.040	0.0017	0.0062	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	March		0.000076	0.00094	0.038	0.0017	0.0061	0.0021	0.000039	0.42	0.0092	1.5	0.0039	0.000039	0.00015	0.0026
	April		0.000072	0.00090	0.037	0.0016	0.0056	0.0020	0.000037	0.40	0.0088	1.4	0.0038	0.000038	0.00015	0.0025
	May		0.000080	0.00099	0.041	0.0018	0.0059	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	June		0.000087	0.0011	0.044	0.0019	0.0059	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	July	**2049**	0.000085	0.0011	0.043	0.0019	0.0052	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	August		0.000091	0.0011	0.046	0.0020	0.0053	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	September		0.000085	0.0011	0.043	0.0019	0.0048	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	October		0.000077	0.00096	0.039	0.0017	0.0043	0.0021	0.000040	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	November		0.000070	0.00087	0.035	0.0015	0.0041	0.0019	0.000036	0.38	0.0085	1.4	0.0036	0.000036	0.00014	0.0024
	December		0.000070	0.00087	0.035	0.0015	0.0046	0.0019	0.000036	0.38	0.0085	1.4	0.0036	0.000036	0.00014	0.0024
	January		0.000070	0.00087	0.035	0.0015	0.0050	0.0019	0.000036	0.38	0.0085	1.4	0.0036	0.000036	0.00014	0.0024
	February		0.000070	0.00087	0.035	0.0015	0.0054	0.0019	0.000036	0.38	0.0085	1.4	0.0036	0.000036	0.00014	0.0024
	March		0.000069	0.00086	0.035	0.0015	0.0055	0.0019	0.000036	0.38	0.0084	1.4	0.0036	0.000036	0.00014	0.0023
	April		0.000063	0.00079	0.032	0.0014	0.0045	0.0018	0.000033	0.35	0.0077	1.3	0.0033	0.000033	0.00013	0.0022
	May		0.000066	0.00083	0.034	0.0015	0.0046	0.0018	0.000034	0.37	0.0081	1.3	0.0034	0.000035	0.00014	0.0023
	June		0.000072	0.00090	0.037	0.0016	0.0047	0.0020	0.000038	0.40	0.0088	1.4	0.0038	0.000038	0.00015	0.0025
	July	**2050**	0.00010	0.0013	0.053	0.0023	0.0070	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	August		0.00013	0.0016	0.065	0.0028	0.0085	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	September		0.00012	0.0015	0.062	0.0027	0.0081	0.0033	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	October		0.00012	0.0015	0.061	0.0027	0.0083	0.0033	0.000063	0.66	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	November		0.00011	0.0014	0.058	0.0025	0.0083	0.0032	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	December		0.00011	0.0014	0.057	0.0025	0.0087	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	February		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	March		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	April		0.039	0.15	0.00045	0.000037	0.87	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	May		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	June		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0098	0.32	0.081	0.0000041
	July		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	August		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	September		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0095	0.31	0.079	0.0000040
	October		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	November		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0093	0.30	0.077	0.0000039
	December		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.031	0.000044	0.0089	0.29	0.074	0.0000037
	January	**2052**	0.043	0.16	0.00049	0.000041	0.95	1.2	0.00022	0.00081	0.00017	0.030	0.000044	0.0089	0.29	0.074	0.0000037
	February		0.043	0.16	0.00049	0.000041	0.95	1.2	0.00022	0.00081	0.00017	0.030	0.000044	0.0089	0.29	0.074	0.0000037
	March		0.043	0.16	0.00049	0.000041	0.94	1.2	0.00022	0.00081	0.00017	0.030	0.000044	0.0088	0.29	0.074	0.0000037
	April		0.039	0.15	0.00044	0.000037	0.86	1.1	0.00020	0.00073	0.00015	0.028	0.000040	0.0080	0.26	0.067	0.0000034
	May		0.041	0.16	0.00047	0.000039	0.90	1.2	0.00021	0.00077	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	July		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	August		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.037	0.000053	0.011	0.35	0.089	0.0000045
	September		0.060	0.23	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.40	0.10	0.0000052
	October		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	November		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	December		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
		MINIMUM	0.032	0.12	0.00037	0.000031	0.71	0.94	0.00016	0.00061	0.00013	0.023	0.000033	0.0067	0.22	0.056	0.0000028
		MAXIMUM	0.093	0.35	0.0011	**0.000088**	2.4	3.0	0.00047	0.0018	0.00038	0.077	0.000095	0.020	0.74	0.16	0.0000090
		AVERAGE	0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.099	0.0000051
Decommissioning	**January**	**2053**	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	February		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	March		0.060	0.23	0.00069	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	April		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	May		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.086	0.0000044
	June		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	July		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	August		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000088	0.018	0.59	0.15	0.0000075
	September		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	October		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	November		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	December		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	January	**2054**	0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	February		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	March		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	April		0.047	0.18	0.00054	0.000044	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	May		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	June		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	July		0.074	0.28	0.00085	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.053	0.000075	0.015	0.50	0.13	0.0000064
	August		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	September		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	October		0.066	0.25	0.00075	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	November		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000054
	December		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	January	**2055**	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	February		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	March		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	April		0.050	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	May		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.080	0.0000040
	June		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	July		0.042	0.16	0.00048	0.000040	0.92	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.28	0.072	0.0000036
	August		0.049	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.034	0.000049	0.010	0.33	0.084	0.0000042
	September		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	October		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	November		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.086	0.0000044
	December		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.00011	0.0014	0.057	0.0025	0.0092	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	February		0.00011	0.0014	0.057	0.0025	0.0096	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	March		0.00011	0.0013	0.054	0.0024	0.0092	0.0030	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	April		0.000078	0.00097	0.039	0.0017	0.0054	0.0021	0.000040	0.43	0.0094	1.5	0.0040	0.000040	0.00016	0.0026
	May		0.000079	0.00098	0.040	0.0017	0.0052	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	June		0.000093	0.0012	0.047	0.0020	0.0060	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	July		0.000097	0.0012	0.049	0.0021	0.0060	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	August		0.000089	0.0011	0.045	0.0020	0.0051	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	September		0.000090	0.0011	0.046	0.0020	0.0052	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	October		0.000088	0.0011	0.045	0.0019	0.0053	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	November		0.000088	0.0011	0.045	0.0019	0.0057	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	December		0.000085	0.0011	0.043	0.0019	0.0059	0.0023	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	January	**2052**	0.000084	0.0011	0.043	0.0019	0.0063	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	February		0.000084	0.0011	0.043	0.0019	0.0067	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	March		0.000084	0.0011	0.043	0.0019	0.0071	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	April		0.000076	0.00095	0.039	0.0017	0.0057	0.0021	0.000040	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	May		0.000081	0.0010	0.041	0.0018	0.0056	0.0022	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00016	0.0027
	June		0.000096	0.0012	0.049	0.0021	0.0065	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	July		0.000099	0.0012	0.051	0.0022	0.0062	0.0027	0.000051	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	August		0.00010	0.0013	0.052	0.0022	0.0062	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	September		0.00012	0.0015	0.060	0.0026	0.0074	0.0032	0.000061	0.64	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	October		0.00012	0.0015	0.062	0.0027	0.0082	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	November		0.00012	0.0015	0.062	0.0027	0.0089	0.0034	0.000063	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	December		0.00012	0.0015	0.062	0.0027	0.0095	0.0034	0.000063	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
		MINIMUM	0.000063	0.00079	0.032	0.0014	0.0039	0.0018	0.000033	0.35	0.0077	1.3	0.0033	0.000033	0.00013	0.0022
		MAXIMUM	0.00029	0.0023	0.095	0.0055	0.016	0.010	0.00010	1.1	0.024	3.8	0.010	0.0029	0.00038	0.0063
		AVERAGE	0.00012	0.0014	0.058	0.0026	0.0086	0.0034	0.000059	0.63	0.014	2.3	0.0059	0.00017	0.00023	0.0039
Decommissioning	**January**	**2053**	0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	February		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	March		0.00012	0.0015	0.060	0.0026	0.010	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000062	0.00024	0.0040
	April		0.000094	0.0012	0.048	0.0021	0.0074	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	May		0.000099	0.0012	0.050	0.0022	0.0074	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0034
	June		0.00013	0.0016	0.066	0.0029	0.0098	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	July		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	August		0.00017	0.0021	0.087	0.0038	0.012	0.0047	0.000088	0.94	0.021	3.4	0.0088	0.000089	0.00035	0.0058
	September		0.00012	0.0016	0.063	0.0028	0.0085	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	October		0.00011	0.0014	0.056	0.0024	0.0076	0.0031	0.000057	0.61	0.013	2.2	0.0057	0.000058	0.00023	0.0038
	November		0.00011	0.0013	0.054	0.0024	0.0077	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	December		0.00011	0.0013	0.054	0.0024	0.0082	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0036
	January	**2054**	0.00011	0.0013	0.054	0.0024	0.0087	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0036
	February		0.00011	0.0013	0.054	0.0024	0.0091	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0036
	March		0.00011	0.0013	0.053	0.0023	0.0092	0.0029	0.000054	0.58	0.013	2.1	0.0055	0.000055	0.00021	0.0036
	April		0.000092	0.0012	0.047	0.0020	0.0076	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	May		0.000089	0.0011	0.046	0.0020	0.0067	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000047	0.00018	0.0030
	June		0.00012	0.0015	0.061	0.0026	0.0089	0.0033	0.000062	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	July		0.00015	0.0018	0.074	0.0032	0.011	0.0040	0.000075	0.80	0.018	2.9	0.0076	0.000076	0.00030	0.0050
	August		0.00013	0.0016	0.066	0.0029	0.0087	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	September		0.00013	0.0016	0.066	0.0029	0.0089	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0044
	October		0.00013	0.0016	0.066	0.0029	0.0091	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000068	0.00026	0.0044
	November		0.00012	0.0015	0.063	0.0027	0.0090	0.0034	0.000064	0.68	0.015	2.5	0.0064	0.000064	0.00025	0.0042
	December		0.00012	0.0015	0.062	0.0027	0.0095	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	January	**2055**	0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	February		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0042
	March		0.00012	0.0015	0.062	0.0027	0.011	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0042
	April		0.000099	0.0012	0.050	0.0022	0.0081	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	May		0.000091	0.0011	0.046	0.0020	0.0068	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	June		0.000095	0.0012	0.048	0.0021	0.0067	0.0026	0.000049	0.52	0.012	1.9	0.0049	0.000049	0.00019	0.0032
	July		0.000082	0.0010	0.042	0.0018	0.0048	0.0023	0.000043	0.45	0.0100	1.6	0.0043	0.000043	0.00017	0.0028
	August		0.000096	0.0012	0.049	0.0021	0.0057	0.0026	0.000049	0.52	0.012	1.9	0.0050	0.000050	0.00019	0.0033
	September		0.00010	0.0013	0.053	0.0023	0.0063	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	October		0.00010	0.0013	0.053	0.0023	0.0067	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	November		0.000099	0.0012	0.050	0.0022	0.0067	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0034
	December		0.000098	0.0012	0.050	0.0022	0.0072	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	February		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	March		0.045	0.17	0.00051	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	April		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0094	0.31	0.079	0.0000040
	May		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	June		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.11	0.0000053
	July		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	August		0.064	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	October		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	November		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000049
	December		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000050
	January	**2057**	0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000050
	February		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000050
	March		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000049
	April		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0097	0.32	0.081	0.0000041
	May		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	June		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000070	0.014	0.46	0.12	0.0000059
	July		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	August		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.43	0.11	0.0000054
	September		0.073	0.28	0.00084	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	October		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	November		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	December		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.56	0.14	0.0000071
		MINIMUM	0.042	0.16	0.00048	0.000040	0.92	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.28	0.072	0.0000036
		MAXIMUM	0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000088	0.018	0.59	0.15	0.0000075
		AVERAGE	0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
Reclamation	**January**	**2058**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2059**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2060**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.000098	0.0012	0.050	0.0022	0.0077	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	February		0.000098	0.0012	0.050	0.0022	0.0081	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	March		0.000088	0.0011	0.045	0.0020	0.0071	0.0024	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	April		0.000090	0.0011	0.046	0.0020	0.0070	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000047	0.00018	0.0031
	May		0.00010	0.0013	0.052	0.0023	0.0080	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	June		0.00012	0.0015	0.061	0.0027	0.0091	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00024	0.0041
	July		0.00013	0.0016	0.064	0.0028	0.0090	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	August		0.00012	0.0016	0.063	0.0028	0.0085	0.0034	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00025	0.0043
	September		0.00010	0.0013	0.052	0.0022	0.0065	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	October		0.00011	0.0013	0.055	0.0024	0.0072	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	November		0.00011	0.0014	0.057	0.0025	0.0081	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	December		0.00011	0.0014	0.057	0.0025	0.0087	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	January	**2057**	0.00011	0.0014	0.057	0.0025	0.0092	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	February		0.00011	0.0014	0.057	0.0025	0.0096	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	March		0.00011	0.0014	0.057	0.0025	0.0099	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	April		0.000093	0.0012	0.047	0.0021	0.0075	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	May		0.00011	0.0013	0.055	0.0024	0.0087	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	June		0.00013	0.0017	0.068	0.0030	0.011	0.0037	0.000070	0.74	0.016	2.7	0.0070	0.000070	0.00027	0.0046
	July		0.00013	0.0016	0.064	0.0028	0.0092	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	August		0.00012	0.0015	0.063	0.0027	0.0085	0.0034	0.000064	0.68	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	September		0.00014	0.0018	0.073	0.0032	0.010	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	October		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0054
	November		0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	December		0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000083	0.88	0.020	3.2	0.0084	0.000084	0.00033	0.0055
		MINIMUM	0.000082	0.0010	0.042	0.0018	0.0048	0.0023	0.000043	0.45	0.0100	1.6	0.0043	0.000043	0.00017	0.0028
		MAXIMUM	0.00017	0.0021	0.087	0.0038	0.013	0.0047	0.000088	0.94	0.021	3.4	0.0088	0.000089	0.00035	0.0058
		AVERAGE	0.00012	0.0014	0.059	0.0025	0.0087	0.0032	0.000060	0.63	0.014	2.3	0.0060	0.000060	0.00024	0.0039
Reclamation	**January**	**2058**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2059**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2060**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	Month	Year	mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2061	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2062	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2063	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2064	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2065	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2066	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Reclamation	January	2061	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2062	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2063	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2064	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2065	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2066	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	**February**		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July	**2067**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Post-Closure	**June**		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July	**≥2070**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	1.0E-02	0.25	0.090	0.0000045

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-1: Scenario 1: Application Case - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August	**2066**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	**February**		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July	**2067**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035
	January		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Post-Closure	**June**	**≥2070**	0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.003	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	2.5E-03	2.5E-03	0.000050	0.45	0.0100	1.9	5.0E-03	0.000050	0.00020	0.0035

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	May		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	June		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	July		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	October		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2026	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000031	1.7	0.000012	0.00000016	1.6	0.49	0.0000016	0.00000054	0.0000012	0.00069	0.00000038	0.29	0.58	0.00019	0.0000023
	May		0.0000049	4.2	0.000014	0.00000014	3.1	0.81	0.00000026	0.00000027	0.0000004	0.00010	5.6E-08	0.35	1.1	0.000061	0.0000033
	June		0.0000013	3.1	0.000028	0.00000028	2.3	0.94	6.8E-08	0.00000032	0.00000053	0.000019	1.0E-08	0.69	0.86	0.000043	0.0000050
	July		0.00000098	3.6	0.000054	0.00000056	2.7	1.5	4.6E-08	0.00000057	0.0000010	0.0000034	1.7E-09	1.4	1.1	0.000061	0.0000091
	August		0.00000085	2.2	0.000058	0.00000061	1.6	1.5	3.7E-08	0.00000057	0.0000011	0.00000088	4.5E-10	1.5	0.74	0.000054	0.0000093
	September		0.00000075	2.2	0.000038	0.00000039	1.5	1.1	2.8E-08	0.00000046	0.00000069	0.0000008	4.0E-10	0.93	0.63	0.000047	0.0000065
	October		0.00000086	3.9	0.000033	0.00000034	2.5	1.2	3.3E-08	0.0000005	0.0000006	0.0000013	5.9E-10	0.80	0.96	0.000057	0.0000063
	November		0.0000004	5.4	0.000011	0.00000012	3.2	0.80	2.5E-08	0.00000021	0.00000021	0.0000016	6.0E-10	0.28	1.1	0.000037	0.0000031
	December		0.00000025	5.9	0.0000045	4.3E-08	3.5	0.65	2.3E-08	0.00000011	8.1E-08	0.0000017	6.1E-10	0.11	1.2	0.000030	0.0000020
	January	2027	0.00000031	6.6	0.0000097	9.8E-08	3.2	0.72	2.3E-08	0.00000015	0.00000018	0.0000016	5.7E-10	0.24	1.1	0.000032	0.0000027
	February		0.00000039	5.6	0.000017	0.00000018	2.4	0.76	2.3E-08	0.00000022	0.00000032	0.0000012	4.6E-10	0.43	0.87	0.000032	0.0000036
	March		0.00000054	6.6	0.000029	0.0000003	3.2	1.1	3.3E-08	0.00000032	0.00000054	0.0000016	6.3E-10	0.73	1.2	0.000045	0.0000056
	April		0.00000058	3.6	0.000033	0.00000034	1.9	1.0	2.7E-08	0.00000036	0.00000061	0.00000096	4.2E-10	0.81	0.75	0.000040	0.0000057
	May		0.00000087	3.8	0.000039	0.0000004	2.2	1.3	3.3E-08	0.00000052	0.00000071	0.0000011	5.3E-10	0.95	0.86	0.000056	0.0000070
	June		0.00000075	4.8	0.000040	0.00000041	2.5	1.3	3.5E-08	0.00000046	0.00000073	0.0000013	5.6E-10	0.98	0.99	0.000052	0.0000071
	July		0.0000009	4.0	0.000068	0.00000071	2.2	1.7	4.5E-08	0.00000062	0.0000013	0.0000011	5.4E-10	1.7	0.98	0.000060	0.000011
	August		0.00000094	3.2	0.000041	0.00000043	1.9	1.3	3.3E-08	0.00000056	0.00000076	0.00000099	5.0E-10	1.0	0.77	0.000058	0.0000074
	September		0.00000065	5.5	0.000021	0.00000021	2.4	0.95	2.6E-08	0.00000036	0.00000038	0.0000012	5.2E-10	0.51	0.88	0.000045	0.0000044
	October		0.00000051	3.8	0.000026	0.00000027	2.2	0.91	2.6E-08	0.00000031	0.00000048	0.0000011	4.5E-10	0.65	0.82	0.000037	0.0000048
	November		0.00000054	4.3	0.000025	0.00000026	2.2	0.93	2.6E-08	0.00000032	0.00000047	0.0000011	4.7E-10	0.63	0.85	0.000039	0.0000048
	December		0.00000047	6.9	0.000018	0.00000019	2.9	0.89	2.7E-08	0.00000026	0.00000033	0.0000015	5.7E-10	0.44	1.1	0.000039	0.0000040
	January	2028	0.000011	6.8	0.0000018	2.8E-08	2.2	0.38	0.00000057	0.00000018	0.00000038	0.00024	0.00000013	0.047	0.75	0.000073	0.0000011
	February		0.00000012	10	0.00000063	3.7E-09	3.5	0.57	1.5E-08	4.3E-08	1.0E-08	0.0000013	4.4E-10	0.021	1.2	0.000019	0.0000014
	March		0.00000012	9.7	0.00000052	2.5E-09	3.5	0.57	1.5E-08	4.1E-08	8.0E-09	0.0000013	4.3E-10	0.014	1.2	0.000019	0.0000014
	April		0.0000048	8.5	0.000027	0.00000022	4.9	7.2	0.00000029	0.000025	0.0000014	0.00010	5.7E-08	0.48	1.9	0.000067	0.000029
	May		0.0000011	4.8	0.000043	0.00000031	9.6	27	0.0000002	0.00015	0.0000057	0.000016	7.1E-09	0.42	5.1	0.00013	0.00012
	June		0.00000092	5.5	0.000040	0.0000003	8.9	24	0.00000017	0.00014	0.0000054	0.000013	5.8E-09	0.41	5.0	0.00012	0.00011
	July		0.00000063	5.5	0.000061	0.00000046	12	36	0.00000023	0.00021	0.0000077	0.0000081	2.3E-09	0.65	6.7	0.00015	0.00016
	August		0.00000073	4.8	0.000051	0.00000041	11	34	0.00000023	0.00022	0.0000081	0.000010	3.9E-09	0.48	6.9	0.00015	0.00016
	September		0.0000005	5.0	0.000051	0.00000042	11	34	0.00000022	0.00022	0.0000080	0.0000056	1.4E-09	0.50	7.1	0.00015	0.00016
	October		0.00000026	6.6	0.000023	0.00000019	7.5	18	0.00000011	0.00011	0.0000041	0.0000024	5.0E-10	0.22	4.5	0.000084	0.000086
	November		0.00000026	9.2	0.000019	0.00000016	7.6	15	9.6E-08	0.000091	0.0000033	0.0000025	5.8E-10	0.20	4.2	0.000076	0.000072
	December		0.00000012	9.3	0.0000011	7.8E-09	3.8	1.9	1.8E-08	0.0000034	0.00000013	0.0000013	4.2E-10	0.028	1.4	0.000020	0.0000078
		MINIMUM	0.00000012	1.7	0.00000052	2.5E-09	1.5	0.38	1.5E-08	4.1E-08	8.0E-09	0.0000008	4.0E-10	0.014	0.58	0.000019	0.0000011
		MAXIMUM	0.000031	10	0.000068	0.00000071	12	36	0.0000016	0.00022	0.0000081	0.00069	0.00000038	1.7	7.1	0.00019	0.00016
		AVERAGE	0.0000021	5.3	0.000028	0.00000027	4.2	6.7	0.00000014	0.000036	0.0000017	0.000038	2.0E-08	0.57	2.0	0.000066	0.000031
Operations	January	2029	0.097	6.1	0.034	0.0000061	425	51	0.00030	0.0033	0.0032	0.021	0.000061	0.14	62	0.012	0.000011
	February		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000010
	March		0.11	5.2	0.037	0.0000068	456	65	0.00034	0.0036	0.0035	0.023	0.000067	0.22	75	0.013	0.000029
	April		0.087	4.5	0.030	0.0000058	448	71	0.00027	0.0031	0.0028	0.019	0.000054	0.61	62	0.010	0.00011
	May		0.096	4.8	0.033	0.0000063	456	73	0.00030	0.0034	0.0031	0.021	0.000060	0.33	70	0.012	0.00010
	June		0.097	4.8	0.033	0.0000063	456	74	0.00030	0.0034	0.0032	0.021	0.000060	0.42	70	0.012	0.00010
	July		0.10	4.9	0.035	0.0000066	456	74	0.00032	0.0035	0.0033	0.022	0.000063	0.43	72	0.012	0.000088
	August		0.092	4.6	0.032	0.0000061	458	76	0.00029	0.0033	0.0030	0.020	0.000058	0.45	69	0.011	0.00011
	September		0.093	4.6	0.032	0.0000061	457	75	0.00029	0.0033	0.0030	0.020	0.000058	0.48	69	0.011	0.00011
	October		0.11	5.2	0.037	0.0000069	456	75	0.00034	0.0037	0.0035	0.023	0.000067	0.33	79	0.013	0.000073
	November		0.11	5.2	0.037	0.0000068	456	66	0.00034	0.0036	0.0035	0.023	0.000067	0.22	76	0.013	0.000027
	December		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000010

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	May		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	June		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	July		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	October		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2026**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0046	0.00000068	2.0	0.0056	0.32	0.00025	0.0000011	3.2	0.016	2.5	0.0037	0.000063	0.0000012	0.0000075
	May		0.0053	0.00000024	4.9	0.0093	0.37	0.00025	0.00000097	4.2	0.029	3.4	0.0061	0.000073	0.00000019	0.0000027
	June		0.011	0.00000023	3.6	**0.010**	0.75	0.00050	0.0000015	7.1	0.025	5.3	0.0067	0.00015	5.4E-08	0.0000023
	July		0.022	0.00000038	4.2	**0.017**	1.5	0.00099	0.0000027	13	0.033	9.8	0.011	0.00030	4.1E-08	0.0000038
	August		0.024	0.00000037	2.5	**0.016**	1.6	0.0011	0.0000028	14	0.026	10	0.0098	0.00032	3.7E-08	0.0000036
	September		0.015	0.00000032	2.5	**0.011**	1.0	0.00068	0.0000019	9.2	0.021	6.8	0.0072	0.00021	2.6E-08	0.0000028
	October		0.013	0.00000036	4.5	**0.012**	0.87	0.00058	0.0000017	8.4	0.028	6.4	0.0081	0.00018	2.7E-08	0.0000030
	November		0.0043	0.00000016	6.3	0.0090	0.29	0.00020	0.00000081	3.7	0.029	3.1	0.0059	0.000059	1.7E-08	0.0000017
	December		0.0015	9.1E-08	6.9	0.0081	0.11	0.000075	0.00000051	2.2	0.030	2.1	0.0052	0.000021	1.4E-08	0.0000013
	January	**2027**	0.0037	0.00000012	7.8	0.0086	0.25	0.00017	0.00000073	3.3	0.029	2.8	0.0055	0.000050	1.6E-08	0.0000015
	February		0.0069	0.00000016	6.5	0.0086	0.45	0.00031	0.0000010	4.9	0.024	3.8	0.0055	0.000094	1.7E-08	0.0000017
	March		0.012	0.00000022	7.8	**0.013**	0.77	0.00053	0.0000016	7.9	0.033	6.0	0.0081	0.00016	2.7E-08	0.0000025
	April		0.013	0.00000025	4.2	**0.011**	0.88	0.00059	0.0000017	8.3	0.023	6.1	0.0069	0.00018	2.4E-08	0.0000024
	May		0.015	0.00000037	4.4	**0.013**	1.0	0.00069	0.0000020	9.6	0.026	7.2	0.0083	0.00021	2.9E-08	0.0000032
	June		0.016	0.00000032	5.6	**0.014**	1.1	0.00071	0.0000021	10	0.030	7.5	0.0087	0.00022	3.0E-08	0.0000031
	July		0.028	0.00000039	4.5	**0.019**	1.9	0.0012	0.0000033	17	0.033	12	0.012	0.00038	4.3E-08	0.0000042
	August		0.016	0.0000004	3.6	**0.012**	1.1	0.00074	0.0000021	10	0.025	7.6	0.0084	0.00022	3.0E-08	0.0000033
	September		0.0081	0.00000027	6.4	0.0092	0.55	0.00037	0.0000012	5.6	0.024	4.4	0.0063	0.00011	2.0E-08	0.0000023
	October		0.010	0.00000021	4.4	0.0100	0.70	0.00047	0.0000014	6.8	0.024	5.1	0.0064	0.00014	2.2E-08	0.0000021
	November		0.010	0.00000022	5.0	0.0100	0.68	0.00046	0.0000014	6.7	0.024	5.0	0.0064	0.00014	2.2E-08	0.0000022
	December		0.0071	0.00000019	8.1	0.0099	0.47	0.00032	0.0000011	5.2	0.028	4.1	0.0064	0.000096	2.0E-08	0.0000020
	January	**2028**	0.00049	0.00000024	8.0	0.0049	0.045	0.000037	0.00000035	1.2	0.019	1.1	0.0031	0.0000069	0.00000043	0.0000028
	February		0.000044	4.0E-08	12	0.0075	0.013	0.0000067	0.00000025	1.4	0.030	1.5	0.0048	0.0000008	8.9E-09	0.00000073
	March		0.0000016	3.9E-08	11	0.0074	0.0049	0.0000048	0.00000025	1.4	0.030	1.4	0.0047	0.00000022	8.8E-09	0.00000072
	April		0.0071	0.0000072	10	**0.020**	0.51	0.00040	0.0000058	5.7	0.044	14	0.021	0.00023	0.00000023	0.000014
	May		0.0047	0.000044	5.6	**0.046**	0.43	0.00051	0.000028	4.8	0.084	58	0.066	0.00060	0.00000017	0.000063
	June		0.0051	0.000041	6.4	**0.042**	0.42	0.00048	0.000026	4.7	0.080	55	0.059	0.00054	0.00000015	0.000058
	July		0.0084	0.000058	6.4	**0.060**	0.67	0.00076	0.000038	7.0	0.11	78	0.086	0.00082	0.0000002	0.000083
	August		0.0056	0.000062	5.6	**0.055**	0.49	0.00061	0.000039	5.3	0.10	79	0.081	0.00074	0.00000019	0.000085
	September		0.0061	0.000062	5.8	**0.056**	0.51	0.00063	0.000039	5.5	0.11	82	0.081	0.00073	0.00000018	0.000084
	October		0.0023	0.000032	7.7	**0.032**	0.22	0.00028	0.000020	3.0	0.069	46	0.045	0.00034	8.8E-08	0.000043
	November		0.0020	0.000026	11	**0.030**	0.20	0.00023	0.000016	3.1	0.068	39	0.039	0.00028	7.5E-08	0.000035
	December		0.000057	0.0000010	11	0.0091	0.020	0.000012	0.00000083	1.5	0.032	4.9	0.0077	0.0000098	1.1E-08	0.0000019
		MINIMUM	0.0000016	3.9E-08	2.0	0.0049	0.0049	0.0000048	0.00000025	1.2	0.016	1.1	0.0031	0.00000022	8.8E-09	0.00000072
		MAXIMUM	0.028	0.000062	12	**0.060**	1.9	0.0012	0.000039	17	0.11	82	0.086	0.00082	0.0000012	0.000085
		AVERAGE	0.0087	0.000010	6.2	**0.018**	0.61	0.00046	0.0000075	6.2	0.040	18	0.020	0.00023	0.00000011	0.000016
Operations	**January**	**2029**	0.0037	0.0085	7.2	**0.017**	0.14	0.11	0.00049	825	0.30	**2704**	0.83	0.011	0.0016	0.0015
	February		0.0040	0.0094	6.1	**0.018**	0.16	0.13	0.00054	885	0.35	**2901**	1.0	0.012	0.0018	0.0016
	March		0.0048	0.0094	6.1	**0.024**	0.22	0.13	0.00054	885	0.36	**2900**	1.0	0.013	0.0018	0.0016
	April		0.0094	0.0077	5.3	**0.052**	0.63	0.10	0.00046	868	0.33	**2847**	0.84	0.010	0.0015	0.0014
	May		0.0057	0.0084	5.6	**0.045**	0.33	0.11	0.00051	886	0.37	**2902**	0.94	0.011	0.0016	0.0015
	June		0.0070	0.0085	5.6	**0.046**	0.42	0.11	0.00051	885	0.37	**2901**	0.95	0.012	0.0016	0.0015
	July		0.0074	0.0089	5.8	**0.043**	0.44	0.12	0.00053	885	0.37	**2900**	0.98	0.012	0.0017	0.0016
	August		0.0072	0.0081	5.4	**0.049**	0.46	0.11	0.00049	889	0.37	**2914**	0.94	0.011	0.0016	0.0015
	September		0.0075	0.0082	5.4	**0.050**	0.49	0.11	0.00049	887	0.36	**2908**	0.93	0.011	0.0016	0.0015
	October		0.0060	0.0094	6.1	**0.037**	0.33	0.13	0.00056	885	0.40	**2900**	1.1	0.013	0.0018	0.0017
	November		0.0046	0.0094	6.1	**0.024**	0.21	0.13	0.00054	885	0.37	**2900**	1.0	0.013	0.0018	0.0016
	December		0.0040	0.0094	6.1	**0.018**	0.16	0.13	0.00054	885	0.35	**2900**	1.0	0.012	0.0018	0.0016

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.11	4.8	0.039	0.0000072	455	55	0.00036	0.0038	0.0037	0.025	0.000071	0.16	66	0.014	0.000016
	February		0.11	4.7	0.039	0.0000072	453	54	0.00035	0.0038	0.0037	0.025	0.000071	0.20	63	0.014	0.000024
	March		0.11	4.7	0.039	0.0000073	454	58	0.00036	0.0039	0.0037	0.025	0.000071	0.21	65	0.014	0.000038
	April		0.097	4.0	0.033	0.0000063	455	63	0.00030	0.0034	0.0031	0.021	0.000060	0.45	55	0.012	0.000098
	May		0.10	4.2	0.035	0.0000066	457	63	0.00032	0.0035	0.0033	0.022	0.000063	0.39	59	0.012	0.000092
	June		0.094	3.9	0.032	0.0000062	459	66	0.00029	0.0033	0.0030	0.020	0.000058	0.50	57	0.011	0.00011
	July	**2030**	0.093	3.9	0.032	0.0000062	457	69	0.00029	0.0033	0.0030	0.020	0.000058	0.56	56	0.011	0.00013
	August		0.097	4.1	0.034	0.0000064	457	68	0.00030	0.0035	0.0032	0.021	0.000061	0.45	58	0.012	0.00012
	September		0.096	4.0	0.033	0.0000063	458	67	0.00030	0.0034	0.0031	0.021	0.000060	0.42	58	0.012	0.00012
	October		0.10	4.2	0.035	0.0000066	459	64	0.00031	0.0035	0.0033	0.022	0.000063	0.38	59	0.012	0.00010
	November		0.11	4.7	0.039	0.0000072	456	61	0.00035	0.0039	0.0037	0.025	0.000070	0.18	67	0.013	0.000053
	December		0.11	4.8	0.039	0.0000073	454	56	0.00036	0.0039	0.0037	0.025	0.000072	0.19	64	0.014	0.000029
	January		0.12	4.3	0.041	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000074	0.18	61	0.014	0.000029
	February		0.12	4.4	0.040	0.0000074	456	52	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000015
	March		0.12	4.3	0.040	0.0000074	456	52	0.00036	0.0040	0.0038	0.026	0.000073	0.19	59	0.014	0.000031
	April		0.10	3.5	0.035	0.0000065	456	57	0.00031	0.0035	0.0033	0.022	0.000063	0.45	50	0.012	0.000084
	May		0.11	3.7	0.036	0.0000068	457	56	0.00033	0.0037	0.0034	0.023	0.000066	0.29	52	0.013	0.000086
	June		0.11	3.7	0.037	0.0000070	456	57	0.00033	0.0037	0.0035	0.023	0.000067	0.33	54	0.013	0.000084
	July	**2031**	0.11	3.7	0.037	0.0000069	457	57	0.00034	0.0037	0.0035	0.023	0.000067	0.34	53	0.013	0.000082
	August		0.11	3.7	0.036	0.0000069	457	60	0.00033	0.0037	0.0034	0.023	0.000066	0.37	53	0.013	0.000096
	September		0.10	3.6	0.036	0.0000068	457	58	0.00033	0.0036	0.0034	0.023	0.000065	0.36	53	0.013	0.000091
	October		0.11	3.9	0.039	0.0000073	459	58	0.00035	0.0039	0.0037	0.025	0.000071	0.30	56	0.013	0.000072
	November		0.12	4.3	0.041	0.0000075	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.16	63	0.014	0.000030
	December		0.12	4.4	0.041	0.0000075	457	52	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000019
	January		0.12	4.8	0.040	0.0000074	455	52	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000018
	February		0.12	5.0	0.040	0.0000074	456	52	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000017
	March		0.11	4.2	0.038	0.0000072	456	55	0.00035	0.0038	0.0036	0.024	0.000070	0.30	53	0.013	0.000069
	April		0.10	3.8	0.036	0.0000068	461	57	0.00033	0.0036	0.0034	0.023	0.000065	0.43	49	0.012	0.000094
	May		0.11	4.0	0.037	0.0000070	457	55	0.00034	0.0038	0.0035	0.024	0.000068	0.28	53	0.013	0.000084
	June		0.11	4.1	0.038	0.0000071	458	56	0.00035	0.0038	0.0036	0.024	0.000069	0.32	54	0.013	0.000071
	July	**2032**	0.10	3.7	0.035	0.0000066	455	58	0.00031	0.0035	0.0033	0.022	0.000063	0.49	49	0.012	0.00010
Operations	**August**		0.10	3.8	0.036	0.0000067	459	58	0.00032	0.0036	0.0034	0.023	0.000065	0.33	51	0.012	0.000096
	September		0.11	4.2	0.039	0.0000074	457	56	0.00036	0.0040	0.0037	0.025	0.000072	0.25	55	0.014	0.000075
	October		0.12	4.3	0.040	0.0000074	453	55	0.00036	0.0040	0.0038	0.025	0.000072	0.26	57	0.014	0.000057
	November		0.12	4.7	0.041	0.0000075	455	53	0.00037	0.0040	0.0039	0.026	0.000074	0.17	60	0.014	0.000031
	December		0.12	5.0	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000017
	January		0.12	4.6	0.041	0.0000075	458	53	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000018
	February		0.12	4.5	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000018
	March		0.12	4.4	0.041	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000022
	April		0.11	3.5	0.036	0.0000070	457	59	0.00033	0.0037	0.0034	0.023	0.000066	0.57	50	0.013	0.00010
	May		0.10	3.4	0.035	0.0000067	458	57	0.00032	0.0036	0.0034	0.023	0.000064	0.25	50	0.012	0.00010
	June		0.11	3.6	0.038	0.0000071	460	56	0.00034	0.0038	0.0036	0.024	0.000068	0.32	52	0.013	0.000092
	July	**2033**	0.11	3.7	0.039	0.0000073	458	56	0.00035	0.0039	0.0037	0.025	0.000071	0.30	54	0.014	0.000078
	August		0.11	3.5	0.037	0.0000070	460	58	0.00033	0.0037	0.0035	0.023	0.000067	0.36	52	0.013	0.000094
	September		0.11	3.6	0.038	0.0000071	458	57	0.00034	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.000081
	October		0.11	3.8	0.040	0.0000074	455	55	0.00036	0.0040	0.0037	0.025	0.000072	0.28	54	0.014	0.000068
	November		0.11	3.9	0.040	0.0000074	458	56	0.00036	0.0039	0.0037	0.025	0.000072	0.24	57	0.014	0.000058
	December		0.12	4.4	0.040	0.0000074	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	January		0.12	4.5	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000018
	February		0.12	4.5	0.040	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000022
	March		0.12	4.1	0.041	0.0000077	456	54	0.00038	0.0041	0.0039	0.026	0.000075	0.21	58	0.014	0.000043
	April		0.10	3.6	0.036	0.0000068	459	57	0.00032	0.0036	0.0034	0.023	0.000065	0.44	51	0.012	0.000085
	May		0.11	3.8	0.039	0.0000073	458	56	0.00035	0.0039	0.0037	0.025	0.000070	0.20	56	0.013	0.000073
	June		0.099	3.3	0.034	0.0000066	455	60	0.00031	0.0035	0.0032	0.022	0.000062	0.68	48	0.012	0.00012
	July	**2034**	0.095	3.1	0.033	0.0000064	455	62	0.00030	0.0034	0.0031	0.021	0.000060	0.57	47	0.011	0.00013
	August		0.097	3.2	0.033	0.0000064	456	63	0.00030	0.0034	0.0032	0.021	0.000061	0.39	48	0.012	0.00013
	September		0.10	3.4	0.035	0.0000067	457	59	0.00032	0.0036	0.0033	0.022	0.000064	0.37	49	0.012	0.00012
	October		0.11	3.9	0.039	0.0000073	459	57	0.00035	0.0039	0.0037	0.025	0.000070	0.21	55	0.014	0.000088
	November		0.12	4.1	0.041	0.0000076	456	55	0.00037	0.0041	0.0039	0.026	0.000074	0.20	60	0.014	0.000049
	December		0.12	4.2	0.041	0.0000076	456	53	0.00037	0.0040	0.0038	0.026	0.000074	0.20	59	0.014	0.000038
	January		0.12	4.4	0.040	0.0000074	455	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000020
	February	**2035**	0.12	4.4	0.041	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000074	0.16	61	0.014	0.000026
	March		0.12	4.5	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0045	0.0100	5.6	**0.019**	0.16	0.13	0.00057	883	0.32	**2892**	0.89	0.012	0.0019	0.0017
	February		0.0052	0.0099	5.5	**0.021**	0.19	0.13	0.00057	879	0.31	**2880**	0.85	0.011	0.0019	0.0017
	March		0.0051	0.0100	5.6	**0.025**	0.20	0.13	0.00058	881	0.33	**2885**	0.88	0.012	0.0019	0.0018
	April		0.0079	0.0085	4.7	**0.044**	0.46	0.11	0.00051	883	0.30	**2895**	0.75	0.0100	0.0016	0.0015
	May		0.0072	0.0089	5.0	**0.041**	0.39	0.11	0.00053	887	0.32	**2907**	0.80	0.011	0.0017	0.0016
	June		0.0084	0.0082	4.6	**0.048**	0.51	0.11	0.00049	891	0.31	**2920**	0.77	0.010	0.0016	0.0015
	July	**2030**	0.0090	0.0082	4.5	**0.055**	0.57	0.10	0.00050	887	0.32	**2906**	0.76	0.0099	0.0016	0.0015
	August		0.0077	0.0086	4.8	**0.050**	0.45	0.11	0.00052	888	0.32	**2909**	0.78	0.010	0.0016	0.0015
	September		0.0073	0.0084	4.7	**0.049**	0.43	0.11	0.00051	888	0.32	**2910**	0.78	0.010	0.0016	0.0015
	October		0.0069	0.0088	4.9	**0.043**	0.38	0.11	0.00053	891	0.32	**2919**	0.80	0.010	0.0017	0.0016
	November		0.0044	0.0099	5.6	**0.028**	0.17	0.13	0.00058	886	0.34	**2903**	0.90	0.012	0.0019	0.0017
	December		0.0050	0.010	5.6	**0.022**	0.19	0.13	0.00058	882	0.32	**2890**	0.87	0.012	0.0019	0.0018
	January		0.0051	0.010	5.1	**0.021**	0.18	0.13	0.00060	885	0.31	**2900**	0.82	0.011	0.0020	0.0018
	February		0.0045	0.010	5.2	**0.017**	0.13	0.13	0.00059	885	0.31	**2901**	0.84	0.011	0.0020	0.0018
	March		0.0053	0.010	5.1	**0.022**	0.19	0.13	0.00059	885	0.30	**2899**	0.80	0.011	0.0020	0.0018
	April		0.0084	0.0088	4.1	**0.040**	0.46	0.11	0.00052	886	0.28	**2903**	0.69	0.0098	0.0017	0.0016
	May		0.0060	0.0093	4.3	**0.037**	0.29	0.11	0.00055	888	0.29	**2908**	0.70	0.0100	0.0018	0.0016
	June		0.0069	0.0094	4.4	**0.037**	0.33	0.12	0.00056	884	0.29	**2898**	0.73	0.010	0.0018	0.0017
	July	**2031**	0.0070	0.0094	4.3	**0.038**	0.35	0.12	0.00056	886	0.29	**2905**	0.72	0.010	0.0018	0.0017
	August		0.0072	0.0092	4.3	**0.042**	0.37	0.11	0.00055	887	0.29	**2907**	0.72	0.010	0.0018	0.0016
	September		0.0071	0.0092	4.3	**0.040**	0.37	0.11	0.00055	887	0.29	**2907**	0.71	0.010	0.0018	0.0016
	October		0.0066	0.0099	4.6	**0.034**	0.30	0.12	0.00058	890	0.30	**2917**	0.76	0.011	0.0019	0.0017
	November		0.0047	0.010	5.1	**0.021**	0.15	0.13	0.00060	886	0.32	**2905**	0.85	0.012	0.0020	0.0018
	December		0.0047	0.010	5.2	**0.018**	0.15	0.13	0.00060	886	0.31	**2904**	0.83	0.011	0.0020	0.0018
	January		0.0046	0.010	5.7	**0.018**	0.14	0.13	0.00059	884	0.31	**2896**	0.84	0.011	0.0020	0.0018
	February		0.0046	0.010	5.8	**0.017**	0.13	0.13	0.00059	885	0.31	**2901**	0.85	0.011	0.0020	0.0018
	March		0.0067	0.0098	4.9	**0.033**	0.30	0.12	0.00057	886	0.29	**2902**	0.72	0.010	0.0019	0.0017
	April		0.0082	0.0091	4.4	**0.042**	0.43	0.11	0.00054	894	0.27	**2929**	0.66	0.0097	0.0018	0.0016
	May		0.0062	0.0095	4.7	**0.036**	0.27	0.12	0.00057	887	0.29	**2907**	0.70	0.010	0.0018	0.0017
	June	**2032**	0.0069	0.0097	4.8	**0.034**	0.32	0.12	0.00057	888	0.29	**2911**	0.73	0.010	0.0019	0.0017
	July		0.0089	0.0088	4.3	**0.045**	0.50	0.11	0.00053	883	0.28	**2894**	0.66	0.0095	0.0017	0.0016
Operations	**August**		0.0066	0.0091	4.5	**0.040**	0.33	0.11	0.00054	892	0.29	**2922**	0.69	0.0098	0.0017	0.0016
	September		0.0060	0.010	5.0	**0.033**	0.25	0.12	0.00059	888	0.30	**2909**	0.74	0.011	0.0019	0.0018
	October		0.0061	0.010	5.0	**0.029**	0.25	0.12	0.00059	879	0.30	**2880**	0.76	0.011	0.0019	0.0018
	November		0.0051	0.010	5.5	**0.021**	0.17	0.13	0.00060	884	0.31	**2895**	0.82	0.011	0.0020	0.0018
	December		0.0046	0.010	5.9	**0.017**	0.13	0.13	0.00059	887	0.31	**2907**	0.85	0.011	0.0020	0.0018
	January		0.0047	0.010	5.4	**0.017**	0.13	0.13	0.00059	888	0.31	**2910**	0.85	0.011	0.0020	0.0018
	February		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	887	0.31	**2906**	0.85	0.011	0.0020	0.0018
	March		0.0049	0.010	5.2	**0.018**	0.15	0.13	0.00060	886	0.31	**2904**	0.84	0.011	0.0020	0.0018
	April		0.010	0.0092	4.1	**0.044**	0.59	0.11	0.00055	888	0.28	**2909**	0.68	0.0099	0.0018	0.0016
	May		0.0057	0.0090	4.0	**0.041**	0.25	0.11	0.00054	888	0.28	**2911**	0.67	0.0097	0.0017	0.0016
	June		0.0069	0.0096	4.3	**0.038**	0.32	0.12	0.00057	893	0.29	**2925**	0.69	0.010	0.0018	0.0017
	July	**2033**	0.0067	0.0099	4.4	**0.035**	0.30	0.12	0.00059	889	0.29	**2912**	0.72	0.011	0.0019	0.0018
	August		0.0074	0.0094	4.2	**0.040**	0.37	0.11	0.00056	894	0.29	**2928**	0.70	0.010	0.0018	0.0017
	September		0.0069	0.0096	4.3	**0.036**	0.32	0.12	0.00057	890	0.29	**2915**	0.72	0.010	0.0019	0.0017
	October		0.0066	0.010	4.5	**0.032**	0.28	0.12	0.00059	884	0.29	**2896**	0.73	0.011	0.0019	0.0018
	November		0.0059	0.010	4.6	**0.029**	0.24	0.12	0.00059	889	0.30	**2914**	0.77	0.011	0.0019	0.0018
	December		0.0047	0.010	5.2	**0.017**	0.14	0.13	0.00059	884	0.31	**2897**	0.84	0.011	0.0020	0.0018
	January		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2902**	0.85	0.011	0.0020	0.0018
	February		0.0049	0.010	5.3	**0.018**	0.15	0.13	0.00059	885	0.31	**2901**	0.84	0.011	0.0020	0.0018
	March		0.0058	0.011	4.9	**0.024**	0.21	0.13	0.00061	885	0.30	**2902**	0.79	0.011	0.0020	0.0018
	April		0.0086	0.0091	4.2	**0.039**	0.45	0.11	0.00054	891	0.28	**2919**	0.69	0.0099	0.0017	0.0016
	May		0.0053	0.0099	4.5	**0.032**	0.20	0.12	0.00058	890	0.30	**2915**	0.75	0.011	0.0019	0.0017
	June		0.012	0.0087	3.8	**0.049**	0.71	0.11	0.00052	882	0.28	**2891**	0.65	0.0095	0.0017	0.0016
	July	**2034**	0.0099	0.0084	3.6	**0.053**	0.59	0.10	0.00051	883	0.28	**2895**	0.63	0.0092	0.0016	0.0015
	August		0.0075	0.0085	3.7	**0.052**	0.40	0.10	0.00052	884	0.28	**2898**	0.65	0.0094	0.0016	0.0015
	September		0.0072	0.0089	4.0	**0.046**	0.37	0.11	0.00054	886	0.29	**2904**	0.65	0.0096	0.0017	0.0016
	October		0.0053	0.0099	4.5	**0.035**	0.20	0.12	0.00059	891	0.30	**2918**	0.73	0.010	0.0019	0.0018
	November		0.0054	0.010	4.9	**0.025**	0.19	0.13	0.00061	884	0.31	**2898**	0.80	0.011	0.0020	0.0018
	December		0.0055	0.010	5.0	**0.023**	0.19	0.13	0.00060	885	0.30	**2899**	0.80	0.011	0.0020	0.0018
	January		0.0048	0.010	5.2	**0.017**	0.14	0.13	0.00059	884	0.31	**2895**	0.84	0.011	0.0020	0.0018
	February	**2035**	0.0050	0.010	5.1	**0.019**	0.15	0.13	0.00060	885	0.31	**2901**	0.83	0.011	0.0020	0.0018
	March		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2901**	0.85	0.011	0.0020	0.0018

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.11	3.8	0.038	0.0000072	457	55	0.00035	0.0038	0.0036	0.024	0.000069	0.35	54	0.013	0.000067
	May		0.10	3.4	0.035	0.0000068	460	57	0.00032	0.0036	0.0033	0.023	0.000064	0.43	50	0.012	0.000095
	June		0.10	3.4	0.036	0.0000068	459	58	0.00033	0.0036	0.0034	0.023	0.000065	0.34	52	0.012	0.000096
	July		0.10	3.4	0.036	0.0000069	457	57	0.00033	0.0037	0.0034	0.023	0.000065	0.36	50	0.013	0.000098
	August	**2035**	0.11	3.5	0.037	0.0000070	457	58	0.00034	0.0038	0.0035	0.024	0.000067	0.34	52	0.013	0.000097
	September		0.11	3.6	0.037	0.0000070	457	56	0.00034	0.0038	0.0035	0.024	0.000068	0.32	52	0.013	0.000086
	October		0.12	3.8	0.040	0.0000075	458	55	0.00036	0.0040	0.0038	0.025	0.000073	0.26	56	0.014	0.000063
	November		0.12	4.3	0.041	0.0000076	456	54	0.00037	0.0040	0.0039	0.026	0.000074	0.16	62	0.014	0.000026
	December		0.12	4.4	0.040	0.0000074	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	January		0.12	4.5	0.040	0.0000074	457	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	February		0.12	4.5	0.040	0.0000074	457	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	March		0.12	4.2	0.041	0.0000076	456	53	0.00037	0.0041	0.0039	0.026	0.000075	0.20	59	0.014	0.000040
	April		0.10	3.3	0.035	0.0000067	458	59	0.00031	0.0035	0.0033	0.022	0.000063	0.56	48	0.012	0.00011
	May		0.11	3.5	0.036	0.0000069	458	57	0.00033	0.0037	0.0034	0.023	0.000066	0.26	51	0.013	0.000094
	June		0.11	3.6	0.037	0.0000070	458	58	0.00034	0.0038	0.0035	0.024	0.000067	0.34	52	0.013	0.000092
	July	**2036**	0.11	3.7	0.038	0.0000072	460	57	0.00035	0.0039	0.0036	0.024	0.000069	0.34	51	0.013	0.000094
	August		0.12	4.0	0.040	0.0000075	458	55	0.00037	0.0040	0.0038	0.026	0.000073	0.27	57	0.014	0.000056
	September		0.11	3.8	0.039	0.0000074	458	56	0.00036	0.0039	0.0037	0.025	0.000071	0.30	54	0.014	0.000075
	October		0.11	3.9	0.039	0.0000074	458	56	0.00036	0.0039	0.0037	0.025	0.000072	0.28	56	0.014	0.000066
	November		0.12	4.3	0.041	0.0000075	456	54	0.00037	0.0040	0.0039	0.026	0.000074	0.16	62	0.014	0.000030
	December		0.12	4.5	0.040	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	January		0.12	4.3	0.040	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	February		0.12	4.0	0.041	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.22	58	0.014	0.000046
	March		0.12	4.0	0.040	0.0000074	457	53	0.00036	0.0039	0.0038	0.025	0.000072	0.20	59	0.014	0.000039
	April		0.10	3.2	0.035	0.0000066	457	58	0.00031	0.0035	0.0033	0.022	0.000063	0.45	49	0.012	0.00010
	May		0.12	3.7	0.040	0.0000075	457	55	0.00036	0.0040	0.0038	0.025	0.000072	0.23	54	0.014	0.000074
	June		0.098	3.1	0.034	0.0000065	456	59	0.00031	0.0034	0.0032	0.021	0.000061	0.52	49	0.012	0.00010
	July	**2037**	0.099	3.1	0.034	0.0000066	455	61	0.00031	0.0035	0.0032	0.022	0.000062	0.50	48	0.012	0.00012
	August		0.11	3.3	0.036	0.0000069	458	56	0.00033	0.0037	0.0034	0.023	0.000066	0.28	51	0.013	0.000098
	September		0.10	3.3	0.035	0.0000067	455	56	0.00032	0.0036	0.0033	0.022	0.000064	0.36	49	0.012	0.000096
	October		0.11	3.7	0.039	0.0000074	457	57	0.00036	0.0039	0.0037	0.025	0.000071	0.21	59	0.014	0.000068
Operations	**November**		0.12	4.1	0.041	0.0000076	457	54	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000029
	December		0.12	4.3	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	January		0.12	4.2	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000021
	February		0.12	4.3	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000022
	March		0.11	3.5	0.037	0.0000071	459	56	0.00034	0.0038	0.0035	0.024	0.000068	0.34	52	0.013	0.000084
	April		0.10	3.2	0.035	0.0000066	456	57	0.00032	0.0035	0.0033	0.022	0.000063	0.42	48	0.012	0.00010
	May		0.11	3.5	0.038	0.0000071	457	56	0.00034	0.0038	0.0036	0.024	0.000068	0.27	53	0.013	0.000086
	June		0.11	3.6	0.038	0.0000072	458	56	0.00035	0.0038	0.0036	0.024	0.000070	0.32	55	0.013	0.000069
	July	**2038**	0.11	3.4	0.036	0.0000069	459	58	0.00033	0.0037	0.0034	0.023	0.000066	0.34	52	0.013	0.000096
	August		0.11	3.6	0.039	0.0000074	456	56	0.00036	0.0039	0.0037	0.025	0.000071	0.30	53	0.014	0.000077
	September		0.10	3.3	0.036	0.0000069	454	58	0.00033	0.0036	0.0034	0.023	0.000066	0.42	52	0.013	0.000092
	October		0.11	3.5	0.037	0.0000071	456	57	0.00034	0.0038	0.0035	0.024	0.000068	0.30	52	0.013	0.000093
	November		0.12	3.9	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.19	61	0.014	0.000046
	December		0.12	4.3	0.040	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000022
	January		0.12	4.3	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000023
	February		0.11	3.7	0.040	0.0000074	458	55	0.00036	0.0039	0.0037	0.025	0.000072	0.26	55	0.014	0.000067
	March		0.12	3.9	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.22	58	0.014	0.000051
	April		0.12	3.8	0.040	0.0000074	458	55	0.00036	0.0039	0.0037	0.025	0.000072	0.25	56	0.014	0.000059
	May		0.12	3.8	0.041	0.0000076	458	55	0.00037	0.0041	0.0039	0.026	0.000074	0.25	57	0.014	0.000058
	June		0.12	3.8	0.040	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000073	0.29	57	0.014	0.000055
	July	**2039**	0.10	3.2	0.035	0.0000067	460	58	0.00032	0.0035	0.0033	0.022	0.000063	0.38	50	0.012	0.00010
	August		0.096	3.0	0.033	0.0000064	455	62	0.00030	0.0034	0.0031	0.021	0.000060	0.55	47	0.012	0.00013
	September		0.11	3.3	0.036	0.0000069	458	57	0.00033	0.0037	0.0034	0.023	0.000066	0.29	52	0.013	0.000096
	October		0.11	3.5	0.038	0.0000071	455	58	0.00034	0.0038	0.0035	0.024	0.000068	0.30	53	0.013	0.000096
	November		0.11	3.8	0.039	0.0000073	457	56	0.00036	0.0039	0.0037	0.025	0.000071	0.22	59	0.014	0.000056
	December		0.12	4.3	0.040	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000025
	January		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000025
	February		0.12	4.5	0.040	0.0000075	457	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	March	**2040**	0.11	3.6	0.036	0.0000069	456	56	0.00033	0.0036	0.0034	0.023	0.000066	0.41	50	0.013	0.000088
	April		0.10	3.5	0.036	0.0000068	459	56	0.00033	0.0036	0.0034	0.023	0.000065	0.34	51	0.012	0.000094
	May		0.11	3.6	0.037	0.0000070	459	59	0.00033	0.0037	0.0034	0.023	0.000066	0.36	52	0.013	0.000099
	June		0.10	3.4	0.035	0.0000067	456	58	0.00032	0.0035	0.0033	0.022	0.000063	0.44	50	0.012	0.00010

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.0075	0.0097	4.5	**0.033**	0.35	0.12	0.00057	887	0.29	**2906**	0.73	0.010	0.0019	0.0017
	May		0.0083	0.0090	4.0	**0.041**	0.44	0.11	0.00054	894	0.28	**2928**	0.68	0.0098	0.0017	0.0016
	June		0.0069	0.0091	4.0	**0.040**	0.34	0.11	0.00055	890	0.29	**2917**	0.69	0.0099	0.0018	0.0016
	July		0.0073	0.0092	4.0	**0.041**	0.36	0.11	0.00055	886	0.28	**2904**	0.67	0.0099	0.0018	0.0016
	August	**2035**	0.0071	0.0095	4.2	**0.041**	0.35	0.12	0.00056	888	0.29	**2908**	0.69	0.010	0.0018	0.0017
	September		0.0068	0.0095	4.2	**0.037**	0.32	0.12	0.00056	887	0.29	**2907**	0.70	0.010	0.0018	0.0017
	October		0.0063	0.010	4.5	**0.030**	0.26	0.13	0.00060	889	0.30	**2912**	0.75	0.011	0.0020	0.0018
	November		0.0050	0.010	5.1	**0.019**	0.16	0.13	0.00060	886	0.31	**2902**	0.84	0.011	0.0020	0.0018
	December		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2899**	0.84	0.011	0.0020	0.0018
	January		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.011	0.0020	0.0018
	February		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.012	0.0020	0.0018
	March		0.0056	0.010	5.0	**0.023**	0.20	0.13	0.00061	885	0.30	**2900**	0.79	0.011	0.0020	0.0018
	April		0.010	0.0088	3.9	**0.046**	0.58	0.11	0.00053	889	0.28	**2913**	0.66	0.0096	0.0017	0.0016
	May		0.0058	0.0093	4.1	**0.039**	0.25	0.11	0.00055	890	0.29	**2916**	0.68	0.0099	0.0018	0.0017
	June		0.0072	0.0095	4.3	**0.039**	0.35	0.12	0.00056	890	0.29	**2915**	0.70	0.010	0.0018	0.0017
	July	**2036**	0.0072	0.0097	4.4	**0.040**	0.34	0.12	0.00058	893	0.29	**2925**	0.69	0.010	0.0019	0.0017
	August		0.0064	0.010	4.7	**0.029**	0.27	0.13	0.00060	890	0.30	**2916**	0.77	0.011	0.0020	0.0018
	September		0.0067	0.0100	4.5	**0.034**	0.30	0.12	0.00059	889	0.29	**2913**	0.73	0.011	0.0019	0.0018
	October		0.0065	0.010	4.6	**0.032**	0.28	0.12	0.00059	889	0.30	**2914**	0.75	0.011	0.0019	0.0018
	November		0.0050	0.010	5.1	**0.020**	0.16	0.13	0.00060	886	0.31	**2902**	0.83	0.011	0.0020	0.0018
	December		0.0047	0.010	5.4	**0.017**	0.13	0.13	0.00059	887	0.31	**2907**	0.85	0.011	0.0020	0.0018
	January		0.0047	0.010	5.1	**0.017**	0.13	0.13	0.00059	888	0.31	**2909**	0.85	0.011	0.0020	0.0018
	February		0.0058	0.010	4.7	**0.025**	0.22	0.13	0.00060	886	0.30	**2903**	0.78	0.011	0.0020	0.0018
	March		0.0056	0.010	4.7	**0.023**	0.20	0.13	0.00059	887	0.30	**2908**	0.79	0.011	0.0019	0.0018
	April		0.0084	0.0088	3.7	**0.043**	0.46	0.11	0.00053	888	0.28	**2908**	0.66	0.0096	0.0017	0.0016
	May		0.0059	0.010	4.3	**0.032**	0.23	0.12	0.00060	888	0.29	**2909**	0.73	0.011	0.0020	0.0018
	June		0.0094	0.0086	3.6	**0.046**	0.54	0.11	0.00051	884	0.28	**2898**	0.67	0.0095	0.0017	0.0015
	July	**2037**	0.0091	0.0087	3.6	**0.050**	0.52	0.11	0.00053	884	0.28	**2896**	0.65	0.0095	0.0017	0.0016
	August		0.0063	0.0093	3.9	**0.039**	0.28	0.11	0.00056	889	0.29	**2914**	0.68	0.0099	0.0018	0.0017
	September		0.0072	0.0090	3.8	**0.040**	0.36	0.11	0.00054	884	0.28	**2896**	0.66	0.0096	0.0017	0.0016
	October		0.0054	0.010	4.4	**0.030**	0.20	0.12	0.00059	888	0.31	**2908**	0.79	0.011	0.0019	0.0018
Operations	**November**		0.0052	0.010	4.9	**0.020**	0.16	0.13	0.00060	887	0.31	**2907**	0.83	0.011	0.0020	0.0018
	December		0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.011	0.0020	0.0018
	January		0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.31	**2898**	0.85	0.011	0.0020	0.0018
	February		0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.31	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0073	0.0095	4.1	**0.036**	0.34	0.12	0.00056	890	0.29	**2917**	0.69	0.010	0.0018	0.0017
	April		0.0080	0.0089	3.7	**0.042**	0.42	0.11	0.00053	886	0.27	**2902**	0.65	0.0095	0.0017	0.0016
	May		0.0063	0.0096	4.1	**0.035**	0.27	0.12	0.00057	888	0.29	**2908**	0.71	0.010	0.0018	0.0017
	June		0.0071	0.0098	4.2	**0.032**	0.33	0.12	0.00058	888	0.29	**2910**	0.74	0.011	0.0019	0.0017
	July	**2038**	0.0070	0.0093	4.0	**0.040**	0.34	0.11	0.00055	891	0.29	**2919**	0.69	0.0100	0.0018	0.0017
	August		0.0067	0.0100	4.2	**0.034**	0.30	0.12	0.00059	886	0.29	**2903**	0.72	0.011	0.0019	0.0018
	September		0.0082	0.0092	3.9	**0.040**	0.43	0.11	0.00055	881	0.29	**2888**	0.70	0.010	0.0018	0.0016
	October		0.0064	0.0095	4.1	**0.038**	0.29	0.12	0.00057	885	0.29	**2899**	0.69	0.010	0.0018	0.0017
	November		0.0053	0.010	4.6	**0.024**	0.19	0.13	0.00060	886	0.31	**2902**	0.81	0.011	0.0020	0.0018
	December		0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.011	0.0020	0.0018
	January		0.0048	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0065	0.010	4.4	**0.030**	0.26	0.12	0.00059	888	0.30	**2910**	0.74	0.011	0.0019	0.0018
	March		0.0060	0.010	4.6	**0.025**	0.22	0.13	0.00061	886	0.30	**2905**	0.78	0.011	0.0020	0.0018
	April		0.0063	0.010	4.5	**0.028**	0.25	0.12	0.00059	889	0.30	**2912**	0.75	0.011	0.0019	0.0018
	May		0.0063	0.010	4.5	**0.028**	0.25	0.13	0.00061	889	0.30	**2912**	0.77	0.011	0.0020	0.0018
	June		0.0070	0.010	4.5	**0.027**	0.29	0.13	0.00060	886	0.30	**2904**	0.77	0.011	0.0020	0.0018
	July	**2039**	0.0076	0.0089	3.7	**0.042**	0.39	0.11	0.00053	892	0.28	**2923**	0.67	0.0097	0.0017	0.0016
	August		0.0098	0.0085	3.5	**0.052**	0.57	0.10	0.00051	884	0.28	**2896**	0.64	0.0093	0.0016	0.0015
	September		0.0064	0.0093	3.9	**0.038**	0.28	0.11	0.00055	890	0.29	**2915**	0.69	0.0099	0.0018	0.0016
	October		0.0067	0.0096	4.1	**0.038**	0.30	0.12	0.00057	884	0.30	**2896**	0.71	0.010	0.0018	0.0017
	November		0.0056	0.0100	4.5	**0.026**	0.21	0.12	0.00058	887	0.31	**2907**	0.79	0.011	0.0019	0.0018
	December		0.0048	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.011	0.0020	0.0018
	January		0.0049	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2899**	0.85	0.011	0.0020	0.0018
	February		0.0050	0.010	5.4	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.012	0.0020	0.0018
	March	**2040**	0.0083	0.0093	4.3	**0.038**	0.42	0.11	0.00055	884	0.28	**2898**	0.68	0.0099	0.0018	0.0016
	April		0.0072	0.0091	4.1	**0.038**	0.34	0.11	0.00054	890	0.28	**2916**	0.68	0.0098	0.0018	0.0016
	May		0.0075	0.0093	4.2	**0.040**	0.36	0.11	0.00056	890	0.30	**2917**	0.70	0.010	0.0018	0.0017
	June		0.0086	0.0089	4.0	**0.042**	0.45	0.11	0.00053	884	0.28	**2897**	0.67	0.0097	0.0017	0.0016

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.098	3.2	0.034	0.0000065	456	61	0.00031	0.0035	0.0032	0.022	0.000061	0.45	48	0.012	0.00012
	August		0.12	3.9	0.040	0.0000075	459	57	0.00036	0.0040	0.0038	0.025	0.000072	0.21	55	0.014	0.000090
	September	**2040**	0.12	3.9	0.040	0.0000075	457	56	0.00036	0.0040	0.0038	0.025	0.000073	0.27	56	0.014	0.000071
	October		0.11	3.8	0.039	0.0000073	460	58	0.00035	0.0039	0.0037	0.025	0.000070	0.30	55	0.013	0.000084
	November		0.12	4.4	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.16	63	0.014	0.000032
	December		0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	January		0.12	4.6	0.040	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000027
	February		0.12	4.6	0.040	0.0000075	458	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000027
	March		0.12	4.3	0.040	0.0000075	457	54	0.00036	0.0040	0.0038	0.025	0.000073	0.24	58	0.014	0.000047
	April		0.11	3.5	0.036	0.0000070	456	59	0.00033	0.0037	0.0034	0.023	0.000066	0.46	51	0.013	0.00010
	May		0.11	3.7	0.038	0.0000072	458	57	0.00035	0.0039	0.0036	0.024	0.000069	0.20	52	0.013	0.000092
	June	**2041**	0.11	3.7	0.038	0.0000073	456	57	0.00035	0.0038	0.0036	0.024	0.000070	0.32	54	0.013	0.000076
	July		0.10	3.5	0.036	0.0000068	457	59	0.00032	0.0036	0.0034	0.023	0.000064	0.44	51	0.012	0.00010
	August		0.096	3.1	0.033	0.0000065	454	63	0.00030	0.0034	0.0031	0.021	0.000060	0.79	47	0.011	0.00014
	September		0.098	3.3	0.034	0.0000065	457	63	0.00031	0.0035	0.0032	0.022	0.000061	0.28	48	0.012	0.00014
	October		0.11	3.6	0.037	0.0000071	458	57	0.00033	0.0038	0.0035	0.023	0.000067	0.25	52	0.013	0.00011
	November		0.12	4.0	0.041	0.0000077	458	58	0.00037	0.0041	0.0038	0.026	0.000074	0.16	60	0.014	0.000076
	December		0.12	4.5	0.041	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000029
	January		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000028
	February		0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000028
	March		0.12	4.3	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.20	59	0.014	0.000047
	April		0.10	3.6	0.036	0.0000069	456	58	0.00033	0.0036	0.0034	0.023	0.000065	0.44	52	0.012	0.000085
	May		0.11	3.8	0.039	0.0000074	461	57	0.00035	0.0039	0.0037	0.025	0.000070	0.22	54	0.013	0.000090
	June	**2042**	0.10	3.4	0.035	0.0000068	457	62	0.00032	0.0036	0.0033	0.022	0.000063	0.62	51	0.012	0.00012
	July		0.097	3.2	0.034	0.0000065	457	65	0.00030	0.0034	0.0032	0.021	0.000061	0.46	48	0.012	0.00014
	August		0.098	3.3	0.034	0.0000066	459	63	0.00031	0.0035	0.0032	0.022	0.000062	0.47	48	0.012	0.00014
	September		0.10	3.4	0.035	0.0000068	459	61	0.00031	0.0036	0.0033	0.022	0.000063	0.45	51	0.012	0.00012
	October		0.10	3.4	0.035	0.0000068	457	61	0.00032	0.0036	0.0033	0.022	0.000064	0.34	49	0.012	0.00012
	November		0.12	4.0	0.041	0.0000077	457	57	0.00037	0.0041	0.0038	0.026	0.000074	0.15	59	0.014	0.000074
	December		0.12	4.5	0.040	0.0000075	455	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	January		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
Operations	**February**		0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.5	0.040	0.0000075	457	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	April		0.11	3.8	0.038	0.0000073	456	56	0.00034	0.0038	0.0036	0.024	0.000069	0.48	53	0.013	0.000083
	May		0.10	3.5	0.035	0.0000068	460	58	0.00032	0.0036	0.0033	0.022	0.000064	0.26	50	0.012	0.00010
	June	**2043**	0.099	3.3	0.034	0.0000066	455	60	0.00031	0.0035	0.0032	0.022	0.000062	0.46	48	0.012	0.00011
	July		0.099	3.3	0.034	0.0000067	456	60	0.00031	0.0035	0.0032	0.022	0.000062	0.46	50	0.012	0.00012
	August		0.098	3.2	0.034	0.0000066	456	62	0.00031	0.0035	0.0032	0.021	0.000061	0.48	47	0.012	0.00014
	September		0.098	3.3	0.034	0.0000066	456	62	0.00031	0.0035	0.0032	0.021	0.000061	0.51	49	0.012	0.00013
	October		0.10	3.4	0.035	0.0000068	459	60	0.00032	0.0036	0.0033	0.022	0.000064	0.34	49	0.012	0.00012
	November		0.11	3.8	0.038	0.0000073	458	56	0.00035	0.0039	0.0036	0.024	0.000070	0.23	53	0.013	0.000091
	December		0.12	4.2	0.041	0.0000078	456	56	0.00037	0.0041	0.0039	0.026	0.000075	0.17	61	0.014	0.000054
	January		0.12	4.5	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000030
	February		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.4	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.17	61	0.014	0.000034
	April		0.11	3.6	0.037	0.0000072	462	59	0.00034	0.0038	0.0035	0.024	0.000068	0.39	51	0.013	0.00010
	May		0.11	3.8	0.039	0.0000074	457	57	0.00035	0.0039	0.0037	0.025	0.000071	0.29	55	0.014	0.000082
	June		0.11	3.7	0.038	0.0000073	457	57	0.00035	0.0038	0.0036	0.024	0.000070	0.30	54	0.013	0.000079
	July	**2044**	0.098	3.2	0.034	0.0000066	457	60	0.00031	0.0034	0.0032	0.021	0.000061	0.49	48	0.012	0.00011
	August		0.11	3.6	0.038	0.0000072	458	58	0.00034	0.0038	0.0036	0.024	0.000068	0.27	53	0.013	0.000098
	September		0.12	3.8	0.040	0.0000076	457	58	0.00036	0.0040	0.0038	0.025	0.000072	0.29	55	0.014	0.000081
	October		0.12	4.0	0.041	0.0000077	457	56	0.00037	0.0040	0.0038	0.026	0.000074	0.25	57	0.014	0.000066
	November		0.12	4.2	0.041	0.0000077	456	55	0.00037	0.0040	0.0039	0.026	0.000075	0.17	62	0.014	0.000039
	December		0.12	4.4	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000032
	January		0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.11	4.2	0.039	0.0000074	455	55	0.00035	0.0038	0.0037	0.025	0.000071	0.30	59	0.013	0.000047
	April		0.10	3.4	0.036	0.0000068	456	57	0.00032	0.0036	0.0034	0.023	0.000064	0.27	50	0.012	0.000099
	May	**2045**	0.10	3.5	0.036	0.0000070	460	58	0.00033	0.0037	0.0034	0.023	0.000066	0.35	52	0.013	0.00010
	June		0.10	3.4	0.036	0.0000069	456	58	0.00032	0.0036	0.0034	0.023	0.000065	0.38	51	0.012	0.000099
	July		0.10	3.5	0.036	0.0000069	458	59	0.00033	0.0036	0.0034	0.023	0.000065	0.38	50	0.013	0.00011
	August		0.11	3.6	0.037	0.0000071	459	59	0.00034	0.0038	0.0035	0.024	0.000068	0.33	53	0.013	0.000097
	September		0.11	3.7	0.038	0.0000073	457	58	0.00035	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.000089

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.0084	0.0086	3.8	**0.049**	0.45	0.11	0.00052	886	0.28	**2903**	0.64	0.0094	0.0017	0.0016
	August		0.0058	0.010	4.6	**0.034**	0.20	0.12	0.00060	891	0.31	**2920**	0.73	0.011	0.0019	0.0018
	September	**2040**	0.0066	0.010	4.6	**0.031**	0.27	0.12	0.00060	888	0.30	**2908**	0.75	0.011	0.0020	0.0018
	October		0.0070	0.0099	4.4	**0.035**	0.30	0.12	0.00058	892	0.30	**2924**	0.74	0.011	0.0019	0.0017
	November		0.0052	0.010	5.2	**0.019**	0.15	0.13	0.00060	886	0.32	**2903**	0.84	0.012	0.0020	0.0018
	December		0.0050	0.010	5.4	**0.017**	0.13	0.13	0.00059	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	January		0.0051	0.010	5.4	**0.017**	0.13	0.13	0.00060	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	February		0.0051	0.010	5.4	**0.017**	0.13	0.13	0.00059	889	0.32	**2912**	0.85	0.011	0.0020	0.0018
	March		0.0065	0.010	5.1	**0.024**	0.24	0.13	0.00059	886	0.30	**2904**	0.78	0.011	0.0020	0.0018
	April		0.0091	0.0093	4.2	**0.041**	0.48	0.11	0.00055	885	0.29	**2899**	0.69	0.010	0.0018	0.0017
	May		0.0055	0.0097	4.4	**0.036**	0.19	0.12	0.00058	888	0.29	**2911**	0.70	0.010	0.0019	0.0017
	June	**2041**	0.0074	0.0098	4.4	**0.033**	0.33	0.12	0.00058	886	0.30	**2903**	0.73	0.011	0.0019	0.0017
	July		0.0088	0.0091	4.1	**0.042**	0.45	0.11	0.00054	887	0.29	**2906**	0.69	0.0099	0.0017	0.0016
	August		0.013	0.0084	3.6	**0.055**	0.83	0.10	0.00051	882	0.28	**2889**	0.64	0.0093	0.0016	0.0015
	September		0.0061	0.0087	3.8	**0.050**	0.27	0.11	0.00053	886	0.28	**2905**	0.64	0.0094	0.0017	0.0016
	October		0.0062	0.0094	4.2	**0.039**	0.25	0.11	0.00057	890	0.30	**2916**	0.69	0.0100	0.0018	0.0017
	November		0.0052	0.010	4.8	**0.029**	0.15	0.13	0.00061	889	0.32	**2912**	0.80	0.011	0.0020	0.0018
	December		0.0051	0.010	5.3	**0.017**	0.13	0.13	0.00060	886	0.32	**2905**	0.85	0.011	0.0020	0.0018
	January		0.0051	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2899**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.011	0.0020	0.0018
	March		0.0060	0.010	5.1	**0.023**	0.19	0.13	0.00060	886	0.31	**2904**	0.80	0.011	0.0020	0.0018
	April		0.0089	0.0092	4.3	**0.037**	0.45	0.11	0.00054	884	0.29	**2898**	0.71	0.010	0.0018	0.0016
	May		0.0060	0.0099	4.5	**0.034**	0.22	0.12	0.00059	895	0.30	**2932**	0.72	0.010	0.0019	0.0018
	June		0.011	0.0089	4.0	**0.047**	0.65	0.11	0.00054	888	0.29	**2909**	0.68	0.0098	0.0017	0.0016
	July	**2042**	0.0086	0.0086	3.7	**0.054**	0.47	0.10	0.00052	886	0.29	**2904**	0.65	0.0094	0.0016	0.0015
	August		0.0089	0.0087	3.8	**0.051**	0.48	0.11	0.00053	891	0.29	**2919**	0.65	0.0094	0.0017	0.0016
	September		0.0090	0.0088	3.9	**0.045**	0.46	0.11	0.00054	890	0.30	**2918**	0.68	0.0098	0.0017	0.0016
	October		0.0070	0.0090	4.0	**0.046**	0.34	0.11	0.00055	888	0.29	**2909**	0.66	0.0096	0.0017	0.0016
	November		0.0052	0.010	4.7	**0.028**	0.14	0.13	0.00061	886	0.32	**2904**	0.78	0.011	0.0020	0.0018
	December		0.0051	0.010	5.3	**0.017**	0.13	0.13	0.00059	884	0.32	**2895**	0.84	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2902**	0.85	0.011	0.0020	0.0018
Operations	**February**		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.012	0.0020	0.0018
	March		0.0052	0.010	5.4	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.012	0.0020	0.0018
	April		0.0098	0.0096	4.4	**0.035**	0.49	0.12	0.00057	885	0.29	**2898**	0.71	0.010	0.0019	0.0017
	May		0.0061	0.0090	4.1	**0.040**	0.25	0.11	0.00054	892	0.28	**2922**	0.67	0.0097	0.0017	0.0016
	June		0.0090	0.0087	3.9	**0.045**	0.47	0.11	0.00052	884	0.28	**2895**	0.66	0.0095	0.0017	0.0016
	July	**2043**	0.0091	0.0087	3.9	**0.045**	0.48	0.11	0.00053	885	0.29	**2900**	0.67	0.0096	0.0017	0.0016
	August		0.0091	0.0086	3.8	**0.051**	0.49	0.11	0.00053	885	0.28	**2901**	0.64	0.0093	0.0017	0.0016
	September		0.0095	0.0086	3.8	**0.050**	0.52	0.11	0.00052	884	0.29	**2898**	0.65	0.0095	0.0017	0.0016
	October		0.0073	0.0090	4.0	**0.046**	0.34	0.11	0.00054	892	0.29	**2922**	0.66	0.0096	0.0017	0.0016
	November		0.0061	0.0098	4.4	**0.034**	0.22	0.12	0.00059	889	0.30	**2913**	0.70	0.010	0.0019	0.0017
	December		0.0056	0.011	4.9	**0.024**	0.16	0.13	0.00061	884	0.32	**2898**	0.81	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.14	0.13	0.00060	886	0.32	**2905**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	884	0.32	**2898**	0.84	0.011	0.0020	0.0018
	March		0.0057	0.010	5.2	**0.019**	0.17	0.13	0.00059	886	0.32	**2904**	0.83	0.011	0.0020	0.0018
	April		0.0082	0.0095	4.2	**0.041**	0.39	0.12	0.00057	897	0.29	**2938**	0.69	0.010	0.0018	0.0017
	May		0.0071	0.0099	4.4	**0.033**	0.29	0.12	0.00059	887	0.30	**2907**	0.73	0.011	0.0019	0.0018
	June		0.0071	0.0098	4.4	**0.033**	0.30	0.12	0.00058	887	0.30	**2907**	0.73	0.010	0.0019	0.0017
	July	**2044**	0.0093	0.0086	3.8	**0.046**	0.50	0.11	0.00052	888	0.28	**2909**	0.65	0.0094	0.0017	0.0015
	August		0.0065	0.0096	4.3	**0.037**	0.26	0.12	0.00058	889	0.30	**2912**	0.71	0.010	0.0018	0.0017
	September		0.0071	0.010	4.5	**0.033**	0.29	0.12	0.00060	887	0.30	**2906**	0.74	0.011	0.0019	0.0018
	October		0.0066	0.010	4.7	**0.029**	0.25	0.13	0.00061	886	0.31	**2904**	0.77	0.011	0.0020	0.0018
	November		0.0056	0.010	5.0	**0.020**	0.16	0.13	0.00061	885	0.32	**2901**	0.83	0.011	0.0020	0.0018
	December		0.0053	0.010	5.2	**0.018**	0.14	0.13	0.00060	886	0.32	**2905**	0.84	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2901**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2903**	0.85	0.011	0.0020	0.0018
	March		0.0076	0.0099	4.9	**0.024**	0.31	0.12	0.00058	884	0.31	**2897**	0.79	0.011	0.0019	0.0017
	April		0.0061	0.0091	4.0	**0.038**	0.26	0.11	0.00054	885	0.29	**2899**	0.67	0.0097	0.0017	0.0016
	May	**2045**	0.0076	0.0092	4.1	**0.039**	0.36	0.11	0.00055	892	0.29	**2924**	0.69	0.0099	0.0018	0.0016
	June		0.0079	0.0091	4.0	**0.039**	0.38	0.11	0.00054	885	0.29	**2902**	0.68	0.0098	0.0017	0.0016
	July		0.0079	0.0092	4.1	**0.042**	0.38	0.11	0.00055	889	0.29	**2912**	0.67	0.0098	0.0018	0.0016
	August		0.0073	0.0095	4.2	**0.038**	0.33	0.12	0.00057	891	0.30	**2919**	0.71	0.010	0.0018	0.0017
	September		0.0073	0.0097	4.4	**0.036**	0.32	0.12	0.00058	888	0.30	**2909**	0.71	0.010	0.0019	0.0017

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October		0.12	3.8	0.040	0.0000075	457	56	0.00036	0.0040	0.0037	0.025	0.000072	0.27	56	0.014	0.000073
	November	**2045**	0.12	4.1	0.041	0.0000078	456	55	0.00037	0.0041	0.0039	0.026	0.000075	0.19	60	0.014	0.000047
	December		0.12	4.4	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000033
	January		0.12	4.3	0.041	0.0000077	457	55	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000039
	February		0.12	4.5	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.0	0.040	0.0000075	457	56	0.00036	0.0040	0.0037	0.025	0.000072	0.28	56	0.014	0.000066
	April		0.11	3.8	0.039	0.0000074	458	57	0.00035	0.0039	0.0037	0.025	0.000071	0.26	55	0.014	0.000081
	May		0.11	3.6	0.037	0.0000070	458	58	0.00033	0.0037	0.0035	0.023	0.000067	0.34	53	0.013	0.000091
	June		0.11	3.5	0.036	0.0000070	456	58	0.00033	0.0036	0.0034	0.023	0.000066	0.40	51	0.013	0.000096
	July	**2046**	0.098	3.2	0.034	0.0000065	456	59	0.00031	0.0034	0.0032	0.021	0.000061	0.43	48	0.012	0.00011
	August		0.099	3.2	0.034	0.0000066	456	61	0.00031	0.0035	0.0032	0.022	0.000062	0.47	49	0.012	0.00012
	September		0.10	3.4	0.036	0.0000069	459	60	0.00032	0.0036	0.0034	0.023	0.000065	0.39	51	0.012	0.00012
	October		0.10	3.4	0.036	0.0000069	459	58	0.00033	0.0036	0.0034	0.023	0.000065	0.34	51	0.012	0.00010
	November		0.12	3.9	0.040	0.0000076	458	58	0.00036	0.0040	0.0038	0.025	0.000072	0.20	57	0.014	0.000087
	December		0.12	4.3	0.041	0.0000077	455	55	0.00037	0.0040	0.0039	0.026	0.000074	0.16	62	0.014	0.000037
	January		0.12	4.4	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.040	0.0000075	457	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.3	0.041	0.0000077	457	55	0.00037	0.0040	0.0039	0.026	0.000075	0.18	61	0.014	0.000042
	April		0.11	3.6	0.037	0.0000072	457	57	0.00034	0.0038	0.0035	0.024	0.000068	0.40	52	0.013	0.000087
	May		0.10	3.4	0.036	0.0000069	458	58	0.00032	0.0036	0.0034	0.023	0.000065	0.35	50	0.012	0.00010
	June		0.11	3.7	0.039	0.0000074	457	57	0.00035	0.0039	0.0036	0.025	0.000070	0.28	54	0.013	0.000087
	July	**2047**	0.10	3.3	0.035	0.0000068	458	59	0.00032	0.0036	0.0033	0.022	0.000064	0.47	49	0.012	0.00011
	August		0.099	3.2	0.034	0.0000067	455	61	0.00031	0.0035	0.0032	0.022	0.000062	0.46	48	0.012	0.00013
	September		0.10	3.5	0.036	0.0000070	459	58	0.00033	0.0037	0.0034	0.023	0.000066	0.35	51	0.013	0.00010
	October		0.11	3.7	0.038	0.0000074	459	58	0.00035	0.0039	0.0036	0.024	0.000070	0.25	55	0.013	0.000095
	November		0.12	4.2	0.041	0.0000078	456	55	0.00037	0.0041	0.0039	0.026	0.000075	0.19	60	0.014	0.000047
	December		0.12	4.4	0.040	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000031
	January		0.12	4.4	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000036
	February		0.12	4.5	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000032
	March		0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000031
	April		0.11	4.0	0.038	0.0000073	455	55	0.00035	0.0038	0.0036	0.024	0.000070	0.28	55	0.013	0.000065
Operations	**May**		0.12	4.0	0.041	0.0000077	457	56	0.00037	0.0041	0.0039	0.026	0.000074	0.23	57	0.014	0.000067
	June		0.12	3.9	0.040	0.0000077	458	57	0.00037	0.0040	0.0038	0.026	0.000073	0.28	55	0.014	0.000076
	July	**2048**	0.098	3.2	0.034	0.0000067	455	61	0.00031	0.0034	0.0032	0.021	0.000061	0.75	48	0.012	0.00012
	August		0.095	3.1	0.033	0.0000064	455	62	0.00030	0.0034	0.0031	0.021	0.000059	0.43	46	0.011	0.00014
	September		0.097	3.1	0.033	0.0000065	458	63	0.00030	0.0034	0.0032	0.021	0.000061	0.41	48	0.012	0.00014
	October		0.11	3.5	0.036	0.0000070	458	58	0.00033	0.0037	0.0034	0.023	0.000066	0.24	53	0.013	0.00011
	November		0.12	4.1	0.041	0.0000078	456	58	0.00038	0.0041	0.0039	0.026	0.000075	0.15	61	0.014	0.000068
	December		0.12	4.3	0.041	0.0000077	455	55	0.00037	0.0040	0.0039	0.026	0.000074	0.17	60	0.014	0.000043
	January		0.12	4.0	0.040	0.0000076	458	56	0.00036	0.0040	0.0038	0.025	0.000072	0.24	57	0.014	0.000066
	February		0.12	4.4	0.040	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000035
	March		0.11	4.1	0.039	0.0000074	456	55	0.00035	0.0038	0.0037	0.025	0.000070	0.29	58	0.013	0.000052
	April		0.11	3.8	0.040	0.0000075	459	57	0.00036	0.0040	0.0037	0.025	0.000072	0.22	54	0.014	0.000085
	May		0.11	3.6	0.037	0.0000071	458	57	0.00034	0.0037	0.0035	0.023	0.000067	0.34	52	0.013	0.000089
	June		0.10	3.4	0.035	0.0000069	455	58	0.00032	0.0036	0.0034	0.023	0.000064	0.38	50	0.012	0.00011
	July	**2049**	0.095	3.1	0.033	0.0000064	455	62	0.00030	0.0033	0.0031	0.021	0.000059	0.54	47	0.011	0.00013
	August		0.098	3.2	0.034	0.0000066	456	62	0.00031	0.0035	0.0032	0.021	0.000061	0.46	49	0.012	0.00013
	September		0.100	3.3	0.034	0.0000067	456	62	0.00031	0.0035	0.0032	0.022	0.000062	0.52	50	0.012	0.00013
	October		0.10	3.3	0.035	0.0000067	456	61	0.00031	0.0035	0.0033	0.022	0.000063	0.36	49	0.012	0.00013
	November		0.11	3.8	0.039	0.0000074	457	57	0.00035	0.0039	0.0036	0.025	0.000070	0.21	54	0.013	0.000100
	December		0.12	4.2	0.041	0.0000077	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.14	63	0.014	0.000048
	January		0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000036
	February		0.12	4.3	0.040	0.0000076	456	55	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000036
	March		0.12	4.1	0.041	0.0000077	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.17	61	0.014	0.000046
	April		0.10	3.2	0.035	0.0000068	456	58	0.00032	0.0035	0.0033	0.022	0.000064	0.42	49	0.012	0.00010
	May		0.11	3.5	0.038	0.0000073	456	57	0.00035	0.0039	0.0036	0.024	0.000070	0.25	54	0.013	0.000092
	June		0.11	3.4	0.037	0.0000071	456	58	0.00034	0.0037	0.0035	0.024	0.000067	0.38	50	0.013	0.00010
	July	**2050**	0.12	3.7	0.040	0.0000076	456	58	0.00036	0.0040	0.0037	0.025	0.000072	0.27	57	0.014	0.000079
	August		0.11	3.7	0.039	0.0000075	457	58	0.00036	0.0039	0.0037	0.025	0.000071	0.28	55	0.014	0.000082
	September		0.10	3.2	0.035	0.0000068	456	58	0.00032	0.0036	0.0033	0.022	0.000064	0.39	50	0.012	0.00010
	October		0.12	3.7	0.040	0.0000076	457	58	0.00036	0.0040	0.0038	0.025	0.000072	0.24	57	0.014	0.000082
	November		0.12	4.0	0.041	0.0000078	456	56	0.00037	0.0041	0.0039	0.026	0.000075	0.21	59	0.014	0.000059
	December		0.12	4.2	0.041	0.0000077	457	56	0.00037	0.0040	0.0039	0.026	0.000074	0.14	63	0.014	0.000039

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October	**2045**	0.0069	0.010	4.5	**0.031**	0.27	0.12	0.00060	887	0.30	**2908**	0.75	0.011	0.0019	0.0018
	November		0.0059	0.010	4.9	**0.023**	0.19	0.13	0.00061	885	0.31	**2898**	0.81	0.011	0.0020	0.0018
	December		0.0054	0.010	5.2	**0.018**	0.15	0.13	0.00060	885	0.32	**2902**	0.84	0.011	0.0020	0.0018
	January	**2046**	0.0056	0.010	5.1	**0.020**	0.16	0.13	0.00060	886	0.32	**2904**	0.82	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00060	888	0.32	**2909**	0.85	0.011	0.0020	0.0018
	March		0.0072	0.010	4.7	**0.029**	0.28	0.12	0.00059	888	0.30	**2908**	0.75	0.011	0.0019	0.0018
	April		0.0065	0.0099	4.4	**0.033**	0.25	0.12	0.00059	890	0.30	**2915**	0.74	0.011	0.0019	0.0018
	May		0.0076	0.0094	4.2	**0.037**	0.35	0.11	0.00056	889	0.30	**2913**	0.71	0.010	0.0018	0.0017
	June		0.0083	0.0092	4.1	**0.039**	0.40	0.11	0.00055	886	0.29	**2903**	0.69	0.0099	0.0018	0.0016
	July		0.0084	0.0086	3.8	**0.045**	0.44	0.11	0.00052	886	0.28	**2903**	0.65	0.0094	0.0017	0.0015
	August		0.0090	0.0087	3.8	**0.048**	0.48	0.11	0.00052	885	0.29	**2901**	0.66	0.0095	0.0017	0.0016
	September		0.0081	0.0091	4.0	**0.044**	0.40	0.11	0.00055	891	0.29	**2918**	0.68	0.0098	0.0018	0.0016
	October		0.0074	0.0091	4.0	**0.039**	0.34	0.11	0.00055	891	0.29	**2918**	0.69	0.0099	0.0018	0.0016
	November		0.0058	0.010	4.6	**0.033**	0.20	0.12	0.00061	889	0.31	**2913**	0.75	0.011	0.0020	0.0018
	December		0.0055	0.010	5.0	**0.019**	0.15	0.13	0.00060	884	0.32	**2896**	0.84	0.011	0.0020	0.0018
	January	**2047**	0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2899**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2905**	0.85	0.012	0.0020	0.0018
	March		0.0058	0.010	5.1	**0.021**	0.18	0.13	0.00061	887	0.32	**2907**	0.82	0.011	0.0020	0.0018
	April		0.0086	0.0095	4.2	**0.036**	0.41	0.12	0.00057	886	0.29	**2904**	0.70	0.010	0.0018	0.0017
	May		0.0075	0.0091	4.0	**0.040**	0.35	0.11	0.00054	889	0.28	**2912**	0.67	0.0097	0.0017	0.0016
	June		0.0069	0.0098	4.4	**0.034**	0.28	0.12	0.00058	888	0.30	**2908**	0.72	0.010	0.0019	0.0017
	July		0.0092	0.0089	3.9	**0.045**	0.49	0.11	0.00054	889	0.28	**2912**	0.66	0.0096	0.0017	0.0016
	August		0.0088	0.0087	3.8	**0.048**	0.47	0.11	0.00053	884	0.29	**2896**	0.65	0.0095	0.0017	0.0016
	September		0.0076	0.0092	4.1	**0.040**	0.35	0.11	0.00055	890	0.29	**2916**	0.69	0.0099	0.0018	0.0016
	October		0.0064	0.0098	4.3	**0.036**	0.24	0.12	0.00059	890	0.31	**2916**	0.73	0.011	0.0019	0.0017
	November		0.0060	0.010	4.9	**0.023**	0.19	0.13	0.00061	886	0.32	**2902**	0.81	0.011	0.0020	0.0018
	December		0.0052	0.010	5.2	**0.018**	0.14	0.13	0.00060	887	0.32	**2907**	0.85	0.012	0.0020	0.0018
	January	**2048**	0.0055	0.010	5.2	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.83	0.011	0.0020	0.0018
	February		0.0053	0.010	5.3	**0.018**	0.14	0.13	0.00060	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	March		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2902**	0.85	0.011	0.0020	0.0018
	April		0.0071	0.0098	4.7	**0.029**	0.28	0.12	0.00057	883	0.30	**2895**	0.74	0.010	0.0019	0.0017
Operations	**May**		0.0063	0.010	4.7	**0.028**	0.22	0.13	0.00061	887	0.31	**2906**	0.76	0.011	0.0020	0.0018
	June		0.0071	0.010	4.6	**0.031**	0.28	0.13	0.00061	888	0.30	**2910**	0.75	0.011	0.0020	0.0018
	July		0.013	0.0086	3.8	**0.049**	0.78	0.11	0.00052	882	0.28	**2891**	0.65	0.0095	0.0017	0.0015
	August		0.0083	0.0084	3.6	**0.051**	0.44	0.10	0.00051	884	0.28	**2895**	0.62	0.0091	0.0016	0.0015
	September		0.0081	0.0085	3.7	**0.051**	0.41	0.10	0.00052	888	0.29	**2910**	0.64	0.0093	0.0016	0.0015
	October		0.0060	0.0093	4.2	**0.039**	0.23	0.11	0.00056	888	0.30	**2911**	0.69	0.0099	0.0018	0.0017
	November		0.0054	0.011	4.8	**0.026**	0.14	0.13	0.00062	886	0.33	**2902**	0.81	0.011	0.0020	0.0019
	December		0.0058	0.010	5.0	**0.021**	0.17	0.13	0.00060	884	0.31	**2897**	0.81	0.011	0.0020	0.0018
	January	**2049**	0.0066	0.010	4.7	**0.028**	0.24	0.13	0.00060	888	0.31	**2911**	0.76	0.011	0.0020	0.0018
	February		0.0053	0.010	5.2	**0.018**	0.14	0.13	0.00060	886	0.33	**2903**	0.85	0.011	0.0020	0.0018
	March		0.0074	0.0099	4.9	**0.024**	0.29	0.12	0.00058	884	0.31	**2897**	0.78	0.011	0.0019	0.0017
	April		0.0061	0.010	4.5	**0.032**	0.21	0.12	0.00060	890	0.30	**2918**	0.72	0.011	0.0019	0.0018
	May		0.0077	0.0094	4.2	**0.036**	0.35	0.12	0.00056	889	0.29	**2912**	0.70	0.010	0.0018	0.0017
	June		0.0080	0.0090	4.0	**0.041**	0.39	0.11	0.00054	884	0.29	**2897**	0.66	0.0096	0.0017	0.0016
	July		0.010	0.0083	3.6	**0.050**	0.56	0.10	0.00051	884	0.28	**2895**	0.64	0.0092	0.0016	0.0015
	August		0.0089	0.0086	3.8	**0.049**	0.47	0.11	0.00053	884	0.29	**2897**	0.66	0.0094	0.0017	0.0016
	September		0.0098	0.0088	3.8	**0.048**	0.54	0.11	0.00053	885	0.29	**2899**	0.67	0.0096	0.0017	0.0016
	October		0.0076	0.0088	3.8	**0.047**	0.36	0.11	0.00054	884	0.29	**2897**	0.65	0.0095	0.0017	0.0016
	November		0.0058	0.0098	4.4	**0.035**	0.20	0.12	0.00059	887	0.30	**2906**	0.70	0.010	0.0019	0.0018
	December		0.0054	0.010	5.0	**0.021**	0.13	0.13	0.00061	885	0.33	**2900**	0.84	0.012	0.0020	0.0018
	January	**2050**	0.0053	0.010	5.1	**0.017**	0.13	0.13	0.00060	886	0.33	**2903**	0.85	0.011	0.0020	0.0018
	February		0.0053	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.33	**2903**	0.85	0.011	0.0020	0.0018
	March		0.0058	0.010	4.9	**0.020**	0.17	0.13	0.00060	886	0.32	**2905**	0.82	0.011	0.0020	0.0018
	April		0.0086	0.0089	3.8	**0.040**	0.43	0.11	0.00053	886	0.28	**2903**	0.66	0.0096	0.0017	0.0016
	May		0.0065	0.0098	4.2	**0.034**	0.25	0.12	0.00058	885	0.30	**2899**	0.72	0.010	0.0019	0.0017
	June		0.0082	0.0094	4.0	**0.040**	0.38	0.11	0.00056	885	0.29	**2900**	0.67	0.0099	0.0018	0.0017
	July		0.0069	0.010	4.4	**0.031**	0.26	0.12	0.00060	886	0.31	**2903**	0.76	0.011	0.0019	0.0018
	August		0.0070	0.010	4.3	**0.032**	0.28	0.12	0.00059	887	0.31	**2907**	0.74	0.011	0.0019	0.0018
	September		0.0083	0.0090	3.8	**0.040**	0.40	0.11	0.00054	886	0.29	**2903**	0.68	0.0097	0.0017	0.0016
	October		0.0064	0.010	4.4	**0.031**	0.23	0.13	0.00060	887	0.32	**2907**	0.77	0.011	0.0020	0.0018
	November		0.0063	0.010	4.7	**0.024**	0.21	0.13	0.00061	885	0.31	**2901**	0.79	0.011	0.0020	0.0018
	December		0.0054	0.010	4.9	**0.018**	0.14	0.13	0.00060	887	0.33	**2905**	0.85	0.011	0.0020	0.0018

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000038
	February		0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000039
	March		0.12	3.9	0.041	0.0000077	456	56	0.00037	0.0040	0.0038	0.026	0.000074	0.21	59	0.014	0.000061
	April		0.100	3.1	0.034	0.0000068	455	61	0.00031	0.0035	0.0033	0.022	0.000062	0.75	48	0.012	0.00012
	May		0.098	3.1	0.034	0.0000066	456	63	0.00031	0.0035	0.0032	0.022	0.000062	0.28	49	0.012	0.00014
	June		0.10	3.3	0.036	0.0000069	459	59	0.00032	0.0036	0.0034	0.023	0.000065	0.33	52	0.012	0.00011
	July		0.099	3.1	0.034	0.0000067	458	62	0.00031	0.0035	0.0032	0.022	0.000062	0.50	49	0.012	0.00013
	August		0.097	3.0	0.033	0.0000066	458	65	0.00030	0.0034	0.0032	0.021	0.000061	0.50	48	0.012	0.00015
	September		0.10	3.2	0.035	0.0000069	456	59	0.00032	0.0036	0.0033	0.022	0.000064	0.33	50	0.012	0.00012
	October		0.11	3.4	0.037	0.0000071	457	57	0.00033	0.0037	0.0035	0.023	0.000067	0.29	51	0.013	0.00010
	November		0.12	3.7	0.040	0.0000077	457	59	0.00036	0.0040	0.0038	0.025	0.000073	0.23	57	0.014	0.000091
	December		0.12	4.0	0.041	0.0000077	457	57	0.00037	0.0040	0.0039	0.026	0.000074	0.17	62	0.014	0.000049
	January	**2052**	0.069	5.2	0.024	0.0000045	457	49	0.00021	0.0023	0.0022	0.015	0.000043	0.13	56	0.0082	0.000036
	February		0.061	5.4	0.021	0.0000041	454	47	0.00019	0.0021	0.0020	0.013	0.000038	0.12	53	0.0073	0.000035
	March		0.061	5.4	0.021	0.0000041	453	47	0.00019	0.0021	0.0020	0.013	0.000038	0.12	53	0.0073	0.000036
	April		0.039	3.4	0.013	0.0000029	456	56	0.00012	0.0014	0.0013	0.0085	0.000024	0.42	47	0.0047	0.00010
	May		0.042	3.6	0.015	0.0000031	455	54	0.00013	0.0015	0.0014	0.0093	0.000027	0.36	46	0.0051	0.00010
	June		0.045	3.9	0.016	0.0000032	456	55	0.00014	0.0016	0.0015	0.0099	0.000028	0.28	49	0.0054	0.00010
	July		0.038	3.2	0.013	0.0000028	455	57	0.00012	0.0014	0.0012	0.0082	0.000023	0.51	45	0.0046	0.00012
	August		0.037	3.1	0.013	0.0000027	456	59	0.00011	0.0014	0.0012	0.0080	0.000023	0.37	47	0.0045	0.00012
	September		0.048	4.1	0.016	0.0000034	456	53	0.00015	0.0017	0.0016	0.010	0.000030	0.24	48	0.0058	0.00010
	October		0.056	4.8	0.019	0.0000038	455	50	0.00017	0.0019	0.0018	0.012	0.000035	0.22	49	0.0067	0.000071
	November		0.064	5.6	0.022	0.0000042	458	47	0.00020	0.0022	0.0021	0.014	0.000040	0.14	52	0.0076	0.000039
	December		0.062	5.5	0.021	0.0000041	454	46	0.00019	0.0021	0.0020	0.014	0.000039	0.12	53	0.0074	0.000035
		MINIMUM	0.037	3.0	0.013	0.0000027	425	46	0.00011	0.0014	0.0012	0.0080	0.000023	0.12	45	0.0045	0.000010
		MAXIMUM	0.12	6.1	0.041	0.0000078	462	76	0.00038	0.0041	0.0039	0.026	0.000075	0.79	79	0.014	0.00015
		AVERAGE	0.11	3.9	0.037	0.0000070	457	57	0.00034	0.0037	0.0035	0.024	0.000067	0.29	56	0.013	0.000073
Decommissioning	**January**	**2053**	0.0043	5.2	0.0015	0.00000046	440	72	0.000013	0.00015	0.00014	0.00096	0.0000027	0.19	85	0.00055	0.000031
	February		0.0000063	4.8	0.000020	0.00000015	441	75	5.1E-08	0.0000047	0.00000048	0.000021	1.3E-08	0.19	89	0.000042	0.000025
	March		0.000061	4.8	0.000047	0.00000021	425	75	0.00000024	0.000021	0.0000029	0.000033	4.7E-08	0.30	86	0.000057	0.000036
	April		0.000014	4.7	0.000058	0.00000039	281	72	0.00000021	0.00014	0.0000059	0.000019	1.5E-08	0.53	59	0.00012	0.00013
	May		0.0000049	4.6	0.000041	0.00000035	304	70	0.00000017	0.00016	0.0000058	0.000016	9.1E-09	0.36	64	0.00013	0.00011
	June		0.0000054	4.5	0.000037	0.00000032	355	74	0.00000015	0.00013	0.0000049	0.000018	1.0E-08	0.32	74	0.00011	0.000094
	July		0.0000053	4.5	0.000045	0.00000035	324	73	0.00000016	0.00013	0.0000051	0.000017	9.7E-09	0.43	68	0.00011	0.00011
	August		0.000035	4.4	0.000061	0.0000004	324	73	0.00000025	0.00012	0.0000057	0.000024	2.9E-08	0.57	67	0.00011	0.00010
	September		0.000014	4.3	0.000062	0.00000042	262	72	0.00000023	0.00016	0.0000066	0.000018	1.4E-08	0.55	56	0.00013	0.00014
	October		0.000014	4.2	0.000045	0.00000037	306	71	0.00000021	0.00017	0.0000067	0.000018	1.5E-08	0.36	65	0.00013	0.00012
	November		0.0000067	4.2	0.000031	0.00000029	367	74	0.00000014	0.00012	0.0000047	0.000018	1.1E-08	0.26	77	0.00010	0.000087
	December		0.0000063	4.0	0.000020	0.00000015	442	75	5.1E-08	0.0000053	0.00000051	0.000021	1.3E-08	0.19	89	0.000042	0.000026
	January	**2054**	0.0000047	3.9	0.000017	0.00000013	439	74	4.1E-08	0.0000038	0.00000039	0.000019	1.2E-08	0.19	88	0.000040	0.000020
	February		0.0000042	3.9	0.000015	0.00000012	440	74	3.8E-08	0.0000045	0.00000039	0.000019	1.2E-08	0.19	88	0.000040	0.000019
	March		0.000011	3.8	0.000023	0.00000017	414	73	8.5E-08	0.000032	0.0000016	0.000020	1.6E-08	0.24	84	0.000056	0.000036
	April		0.000041	3.7	0.000054	0.00000031	348	72	0.00000023	0.000082	0.0000045	0.000026	3.3E-08	0.50	71	0.000089	0.000077
	May		0.000011	3.7	0.000047	0.00000035	293	71	0.00000019	0.00015	0.0000060	0.000017	1.3E-08	0.42	62	0.00012	0.00012
	June		0.0000037	3.6	0.000035	0.00000031	345	74	0.00000015	0.00014	0.0000053	0.000016	9.2E-09	0.34	72	0.00012	0.000098
	July		0.0000062	3.5	0.000042	0.00000033	325	72	0.00000016	0.00013	0.0000049	0.000017	1.1E-08	0.42	68	0.00011	0.000100
	August		0.000035	3.4	0.000070	0.00000044	271	72	0.00000029	0.00016	0.0000071	0.000023	2.8E-08	0.66	57	0.00013	0.00013
	September		0.000012	3.3	0.000045	0.00000035	305	72	0.0000002	0.00016	0.0000064	0.000017	1.4E-08	0.39	65	0.00013	0.00012
	October		0.0000088	3.2	0.000039	0.00000034	329	73	0.00000018	0.00016	0.0000062	0.000017	1.2E-08	0.35	69	0.00013	0.00011
	November		0.000017	3.1	0.000030	0.00000021	381	72	0.00000013	0.000066	0.0000030	0.000020	1.8E-08	0.28	78	0.000075	0.000058
	December		0.0000042	3.0	0.000015	0.00000012	439	74	3.8E-08	0.0000037	0.00000036	0.000019	1.2E-08	0.19	88	0.000040	0.000018
	January	**2055**	0.0000039	2.9	0.000014	0.0000001	437	73	3.7E-08	0.0000074	0.00000048	0.000018	1.1E-08	0.19	88	0.000041	0.000017
	February		0.0000039	2.9	0.000013	9.5E-08	440	74	3.5E-08	0.0000046	0.00000038	0.000018	1.2E-08	0.19	89	0.000040	0.000016
	March		0.0000039	2.8	0.000013	9.4E-08	440	74	3.4E-08	0.0000032	0.00000033	0.000018	1.1E-08	0.19	88	0.000039	0.000015
	April		0.000059	2.7	0.000042	0.00000025	358	70	0.00000031	0.00015	0.0000072	0.000028	4.5E-08	0.22	75	0.00012	0.000078
	May		0.000013	2.7	0.000026	0.00000027	350	71	0.00000018	0.00018	0.0000067	0.000017	1.5E-08	0.19	74	0.00013	0.000093
	June		0.000057	2.5	0.000043	0.00000029	356	73	0.00000033	0.00019	0.0000085	0.000028	4.4E-08	0.20	75	0.00014	0.000096
	July		0.000012	2.5	0.000029	0.00000033	314	69	0.00000021	0.00023	0.0000084	0.000015	1.4E-08	0.19	68	0.00016	0.00011
	August		0.000024	2.4	0.000035	0.00000035	329	73	0.00000026	0.00025	0.0000096	0.000018	2.2E-08	0.18	71	0.00017	0.00012
	September		0.0000036	2.3	0.000026	0.00000032	357	75	0.00000018	0.00022	0.0000079	0.000015	9.5E-09	0.19	76	0.00015	0.00011
	October		0.000015	2.3	0.000028	0.00000029	369	75	0.0000002	0.00019	0.0000073	0.000018	1.7E-08	0.19	78	0.00014	0.00010
	November		0.000011	2.2	0.000020	0.00000018	404	74	0.00000011	0.000083	0.0000033	0.000018	1.5E-08	0.19	83	0.000081	0.000053
	December		0.0000039	2.0	0.000013	9.4E-08	437	73	3.4E-08	0.0000039	0.00000035	0.000018	1.1E-08	0.19	88	0.000039	0.000016

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.0054	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.33	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0054	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.33	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0063	0.010	4.6	**0.024**	0.21	0.13	0.00060	885	0.31	**2899**	0.79	0.011	0.0020	0.0018
	April		0.013	0.0088	3.7	**0.048**	0.79	0.11	0.00053	882	0.29	**2892**	0.66	0.0096	0.0017	0.0016
	May		0.0065	0.0087	3.6	**0.048**	0.27	0.11	0.00053	884	0.29	**2898**	0.65	0.0094	0.0017	0.0016
	June		0.0073	0.0091	3.9	**0.040**	0.33	0.11	0.00055	891	0.30	**2920**	0.69	0.0098	0.0018	0.0016
	July		0.0096	0.0087	3.6	**0.047**	0.51	0.11	0.00052	889	0.29	**2911**	0.66	0.0095	0.0017	0.0016
	August		0.0095	0.0085	3.5	**0.053**	0.51	0.10	0.00052	888	0.29	**2910**	0.65	0.0094	0.0016	0.0015
	September		0.0072	0.0090	3.8	**0.042**	0.32	0.11	0.00055	884	0.30	**2898**	0.66	0.0097	0.0017	0.0016
	October		0.0070	0.0094	4.0	**0.037**	0.29	0.11	0.00056	886	0.29	**2904**	0.68	0.0099	0.0018	0.0017
	November		0.0064	0.010	4.4	**0.032**	0.23	0.12	0.00061	888	0.32	**2909**	0.76	0.011	0.0020	0.0018
	December		0.0058	0.010	4.8	**0.020**	0.16	0.13	0.00061	887	0.33	**2907**	0.84	0.011	0.0020	0.0018
	January	**2052**	0.0035	0.0060	6.2	**0.017**	0.12	0.084	0.00035	887	0.30	**2905**	0.75	0.0086	0.0012	0.0011
	February		0.0032	0.0054	6.4	**0.016**	0.11	0.076	0.00032	881	0.28	**2886**	0.71	0.0080	0.0010	0.00095
	March		0.0033	0.0053	6.4	**0.016**	0.12	0.075	0.00031	879	0.28	**2881**	0.71	0.0080	0.0010	0.00094
	April		0.0064	0.0034	4.0	**0.039**	0.42	0.054	0.00022	886	0.28	**2903**	0.64	0.0067	0.00066	0.00065
	May		0.0057	0.0037	4.3	**0.038**	0.36	0.056	0.00024	884	0.27	**2896**	0.62	0.0067	0.00072	0.00070
	June		0.0047	0.0040	4.5	**0.036**	0.28	0.059	0.00025	884	0.29	**2897**	0.65	0.0070	0.00076	0.00074
	July		0.0076	0.0033	3.8	**0.045**	0.53	0.051	0.00022	883	0.27	**2894**	0.60	0.0064	0.00063	0.00064
	August		0.0055	0.0032	3.7	**0.044**	0.37	0.051	0.00021	884	0.28	**2898**	0.64	0.0066	0.00062	0.00062
	September		0.0041	0.0042	4.8	**0.035**	0.23	0.061	0.00027	885	0.28	**2901**	0.64	0.0070	0.00080	0.00078
	October		0.0042	0.0049	5.7	**0.027**	0.21	0.069	0.00030	883	0.28	**2895**	0.65	0.0074	0.00094	0.00088
	November		0.0035	0.0056	6.7	**0.018**	0.13	0.078	0.00033	889	0.28	**2914**	0.69	0.0080	0.0011	0.00099
	December		0.0033	0.0054	6.5	**0.016**	0.11	0.076	0.00032	880	0.28	**2885**	0.70	0.0080	0.0010	0.00095
		MINIMUM	0.0032	0.0032	3.5	**0.016**	0.11	0.051	0.00021	825	0.27	**2704**	0.60	0.0064	0.00062	0.00062
		MAXIMUM	0.013	0.011	7.2	**0.055**	0.83	0.13	0.00062	897	0.40	**2938**	1.1	0.013	0.0020	0.0019
		AVERAGE	0.0066	0.0094	4.6	**0.032**	0.29	0.12	0.00056	886	0.30	**2904**	0.76	0.010	0.0018	0.0017
Decommissioning	**January**	**2053**	0.00093	0.00038	6.2	**0.019**	0.18	0.041	0.000029	255	0.41	305	1.1	0.0091	0.000073	0.00010
	February		0.00060	0.0000033	5.7	**0.019**	0.19	0.040	0.0000060	184	0.43	7.7	1.2	0.0095	0.00000012	0.000040
	March		0.0024	0.000012	5.6	**0.023**	0.30	0.038	0.0000090	180	0.42	22	1.2	0.0092	0.0000011	0.000046
	April		0.0055	0.000043	5.5	**0.051**	0.54	0.025	0.000029	119	0.33	60	0.81	0.0064	0.00000038	0.000082
	May		0.0032	0.000045	5.4	**0.043**	0.37	0.027	0.000031	127	0.34	56	0.86	0.0068	0.00000019	0.000083
	June		0.0026	0.000038	5.3	**0.038**	0.32	0.032	0.000026	148	0.38	47	1.00	0.0079	0.00000018	0.000077
	July		0.0041	0.000039	5.2	**0.044**	0.43	0.029	0.000027	136	0.36	51	0.92	0.0073	0.0000002	0.000079
	August		0.0063	0.000038	5.1	**0.044**	0.59	0.029	0.000026	138	0.36	51	0.92	0.0072	0.00000071	0.000075
	September		0.0058	0.000048	5.0	**0.056**	0.56	0.023	0.000033	110	0.32	65	0.76	0.0061	0.0000004	0.000089
	October		0.0030	0.000050	5.0	**0.045**	0.36	0.027	0.000033	128	0.35	62	0.87	0.0068	0.00000035	0.000088
	November		0.0015	0.000036	5.0	**0.035**	0.25	0.033	0.000025	153	0.39	45	1.0	0.0080	0.00000019	0.000074
	December		0.00060	0.0000035	4.8	**0.019**	0.19	0.040	0.0000061	184	0.43	8.0	1.2	0.0095	0.00000012	0.000040
	January	**2054**	0.00050	0.0000029	4.7	**0.019**	0.19	0.040	0.0000049	183	0.42	5.9	1.2	0.0095	9.8E-08	0.000038
	February		0.00047	0.0000030	4.6	**0.019**	0.19	0.039	0.0000047	183	0.42	5.8	1.2	0.0094	9.1E-08	0.000038
	March		0.0012	0.000011	4.5	**0.024**	0.23	0.037	0.0000093	173	0.40	16	1.1	0.0090	0.00000023	0.000046
	April		0.0051	0.000027	4.3	**0.038**	0.51	0.031	0.000018	148	0.36	36	0.98	0.0077	0.00000078	0.000063
	May		0.0040	0.000045	4.3	**0.048**	0.43	0.026	0.000030	123	0.33	58	0.84	0.0066	0.00000031	0.000082
	June		0.0026	0.000042	4.2	**0.041**	0.34	0.031	0.000028	144	0.37	51	0.97	0.0076	0.00000016	0.000080
	July		0.0039	0.000038	4.1	**0.043**	0.43	0.029	0.000026	136	0.36	48	0.92	0.0073	0.00000022	0.000076
	August		0.0074	0.000048	3.9	**0.055**	0.68	0.024	0.000031	116	0.32	64	0.79	0.0063	0.00000075	0.000086
	September		0.0035	0.000048	3.9	**0.047**	0.39	0.027	0.000031	127	0.35	60	0.87	0.0068	0.00000033	0.000085
	October		0.0028	0.000047	3.8	**0.044**	0.35	0.029	0.000031	137	0.36	57	0.93	0.0073	0.00000027	0.000085
	November		0.0018	0.000021	3.7	**0.030**	0.28	0.034	0.000015	159	0.39	28	1.1	0.0083	0.00000034	0.000056
	December		0.00047	0.0000028	3.6	**0.019**	0.19	0.040	0.0000045	183	0.42	5.5	1.2	0.0095	9.1E-08	0.000038
	January	**2055**	0.00038	0.0000037	3.5	**0.019**	0.19	0.039	0.0000045	182	0.42	6.0	1.2	0.0094	7.7E-08	0.000038
	February		0.00035	0.0000029	3.4	**0.019**	0.19	0.040	0.0000039	184	0.42	5.3	1.2	0.0095	7.2E-08	0.000038
	March		0.00035	0.0000025	3.3	**0.019**	0.19	0.040	0.0000036	184	0.42	4.8	1.2	0.0095	7.1E-08	0.000037
	April		0.00079	0.000048	3.2	**0.033**	0.21	0.032	0.000027	150	0.38	49	1.00	0.0078	0.0000011	0.000079
	May		0.00041	0.000052	3.2	**0.036**	0.17	0.031	0.000032	145	0.38	57	0.98	0.0076	0.00000029	0.000086
	June		0.00062	0.000059	3.0	**0.037**	0.19	0.032	0.000034	148	0.39	62	1.00	0.0078	0.0000011	0.000091
	July		0.00050	0.000066	2.9	**0.040**	0.17	0.028	0.000040	130	0.36	71	0.89	0.0069	0.0000003	0.00010
	August		0.00039	0.000073	2.8	**0.044**	0.17	0.029	0.000044	136	0.38	78	0.93	0.0073	0.00000052	0.00011
	September		0.00036	0.000063	2.7	**0.041**	0.17	0.032	0.000039	147	0.40	68	1.0	0.0079	0.00000015	0.00010
	October		0.00036	0.000056	2.7	**0.039**	0.18	0.032	0.000035	152	0.40	61	1.0	0.0080	0.00000034	0.000093
	November		0.00035	0.000025	2.6	**0.028**	0.18	0.036	0.000017	168	0.41	30	1.1	0.0087	0.00000021	0.000060
	December		0.00035	0.0000027	2.4	**0.019**	0.19	0.039	0.0000037	182	0.41	5.2	1.2	0.0094	7.1E-08	0.000037

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.0000028	2.0	0.000011	7.4E-08	440	73	2.9E-08	0.0000027	0.00000024	0.000018	1.1E-08	0.19	88	0.000038	0.000012
	February		0.0000025	1.9	0.000010	6.8E-08	442	73	2.8E-08	0.0000025	0.00000022	0.000018	1.1E-08	0.19	89	0.000037	0.000011
	March		0.000025	1.8	0.000026	0.00000021	380	72	0.00000019	0.00014	0.0000056	0.000020	2.4E-08	0.19	79	0.00011	0.000068
	April		0.0000090	1.7	0.000019	0.00000018	395	73	0.00000012	0.00011	0.0000041	0.000017	1.4E-08	0.19	82	0.000094	0.000060
	May		0.0000077	1.6	0.000018	0.00000016	403	73	0.0000001	0.000092	0.0000035	0.000017	1.3E-08	0.19	83	0.000086	0.000050
	June		0.000026	1.6	0.000025	0.00000019	401	74	0.00000018	0.00011	0.0000048	0.000021	2.5E-08	0.19	83	0.000098	0.000061
	July		0.0000043	1.5	0.000022	0.00000026	363	73	0.00000016	0.00018	0.0000066	0.000015	1.0E-08	0.19	77	0.00013	0.000091
	August		0.000056	1.4	0.000041	0.00000028	351	72	0.00000033	0.00020	0.0000087	0.000026	4.3E-08	0.19	75	0.00015	0.000098
	September		0.0000058	1.3	0.000026	0.00000032	333	72	0.0000002	0.00024	0.0000087	0.000014	1.1E-08	0.18	72	0.00016	0.00012
	October		0.0000051	1.2	0.000024	0.00000029	375	77	0.00000017	0.00021	0.0000074	0.000015	1.1E-08	0.19	80	0.00014	0.00010
	November		0.0000024	1.1	0.000013	0.00000012	424	74	5.9E-08	0.000048	0.0000018	0.000017	1.1E-08	0.19	86	0.000061	0.000034
	December		0.0000025	1.0	0.000010	6.7E-08	440	73	2.8E-08	0.0000025	0.00000021	0.000017	1.1E-08	0.19	88	0.000037	0.000011
	January	**2057**	0.00000078	0.96	0.0000061	3.5E-08	441	72	1.7E-08	0.0000011	7.6E-08	0.000016	1.0E-08	0.19	88	0.000036	0.0000048
	February		0.00000029	0.88	0.0000048	2.5E-08	437	72	1.4E-08	0.00000067	3.6E-08	0.000015	9.9E-09	0.19	88	0.000035	0.0000027
	March		0.0000021	0.80	0.0000055	2.5E-08	441	72	2.0E-08	0.00000074	9.4E-08	0.000016	1.1E-08	0.19	89	0.000035	0.0000027
	April		0.000030	0.74	0.000026	0.00000021	384	74	0.00000021	0.00016	0.0000066	0.000020	2.7E-08	0.19	80	0.00012	0.000073
	May		0.00000036	0.65	0.000013	0.00000015	402	74	9.4E-08	0.00012	0.0000041	0.000014	9.1E-09	0.19	83	0.000095	0.000058
	June		0.00000043	0.55	0.0000097	0.0000001	426	74	6.2E-08	0.000071	0.0000025	0.000015	9.7E-09	0.20	87	0.000072	0.000033
	July		0.000024	0.48	0.000027	0.00000026	375	76	0.00000023	0.00021	0.0000080	0.000019	2.4E-08	0.19	79	0.00014	0.000095
	August		0.000018	0.40	0.000026	0.00000028	374	77	0.00000022	0.00023	0.0000086	0.000017	1.9E-08	0.19	80	0.00015	0.00011
	September		0.00000044	0.31	0.000019	0.00000026	383	78	0.00000016	0.00021	0.0000073	0.000013	8.7E-09	0.19	81	0.00014	0.000098
	October		0.00000029	0.22	0.0000096	0.00000011	414	73	6.4E-08	0.000073	0.0000026	0.000014	9.4E-09	0.19	85	0.000072	0.000037
	November		0.00000031	0.14	0.0000067	5.6E-08	430	72	3.3E-08	0.000028	0.0000010	0.000015	9.8E-09	0.19	87	0.000049	0.000016
	December		0.00000029	0.059	0.0000050	2.8E-08	440	72	1.5E-08	0.0000028	0.00000011	0.000015	1.0E-08	0.19	88	0.000036	0.0000037
		MINIMUM	0.00000029	0.059	0.0000048	2.5E-08	262	69	1.4E-08	0.00000067	3.6E-08	0.000013	8.7E-09	0.18	56	0.000035	0.0000027
		MAXIMUM	0.0043	5.2	0.0015	0.00000046	442	78	0.000013	0.00025	0.00014	0.00096	0.0000027	0.66	89	0.00055	0.00014
		AVERAGE	0.000085	2.5	0.000052	0.00000022	381	73	0.00000036	0.00011	0.0000065	0.000034	6.1E-08	0.26	79	0.00010	0.000066

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-2: Scenario 1: Application Case - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.00027	0.0000022	2.3	**0.019**	0.19	0.040	0.0000029	184	0.42	3.8	1.2	0.0095	5.8E-08	0.000036
	February		0.00025	0.0000020	2.2	**0.019**	0.19	0.040	0.0000027	184	0.42	3.4	1.2	0.0095	5.3E-08	0.000036
	March		0.00031	0.000041	2.2	**0.032**	0.18	0.034	0.000025	158	0.39	43	1.1	0.0083	0.00000048	0.000075
	April		0.00028	0.000032	2.1	**0.030**	0.18	0.036	0.000020	164	0.40	36	1.1	0.0086	0.00000021	0.000067
	May		0.00028	0.000027	2.0	**0.028**	0.18	0.036	0.000017	168	0.40	29	1.1	0.0087	0.00000018	0.000062
	June		0.00028	0.000035	1.9	**0.031**	0.18	0.036	0.000021	167	0.41	37	1.1	0.0087	0.00000049	0.000068
	July		0.00029	0.000053	1.8	**0.037**	0.17	0.032	0.000032	150	0.39	56	1.0	0.0079	0.00000016	0.000089
	August		0.00032	0.000061	1.7	**0.038**	0.17	0.031	0.000035	146	0.38	63	0.99	0.0077	0.0000010	0.000092
	September		0.00026	0.000070	1.6	**0.043**	0.16	0.029	0.000042	137	0.38	74	0.94	0.0073	0.00000021	0.00011
	October		0.00023	0.000059	1.5	**0.041**	0.18	0.033	0.000036	155	0.41	64	1.1	0.0083	0.00000018	0.000097
	November		0.00024	0.000015	1.4	**0.025**	0.19	0.038	0.000010	177	0.41	19	1.2	0.0092	7.2E-08	0.000049
	December		0.00025	0.0000020	1.3	**0.019**	0.19	0.040	0.0000027	184	0.41	3.4	1.2	0.0095	5.3E-08	0.000036
	January	**2057**	0.00011	0.0000014	1.2	**0.019**	0.19	0.040	0.0000011	184	0.41	1.7	1.2	0.0095	2.5E-08	0.000034
	February		0.000071	0.0000011	1.1	**0.019**	0.19	0.040	0.00000063	183	0.41	1.1	1.2	0.0094	1.7E-08	0.000033
	March		0.000072	0.0000013	0.98	**0.019**	0.19	0.040	0.00000064	184	0.41	1.2	1.2	0.0095	4.7E-08	0.000033
	April		0.00015	0.000048	0.90	**0.035**	0.18	0.034	0.000027	160	0.40	49	1.1	0.0084	0.00000058	0.000082
	May		0.000076	0.000034	0.80	**0.032**	0.18	0.036	0.000020	167	0.41	37	1.1	0.0087	6.6E-08	0.000068
	June		0.000092	0.000021	0.68	**0.026**	0.19	0.039	0.000012	178	0.41	20	1.2	0.0093	4.8E-08	0.000055
	July		0.00015	0.000061	0.59	**0.040**	0.18	0.033	0.000035	155	0.40	62	1.1	0.0083	0.0000005	0.000096
	August		0.00010	0.000067	0.49	**0.043**	0.18	0.033	0.000039	155	0.41	69	1.1	0.0083	0.0000004	0.00010
	September		0.000085	0.000059	0.40	**0.041**	0.18	0.034	0.000035	158	0.41	63	1.1	0.0084	0.00000011	0.000096
	October		0.000076	0.000021	0.30	**0.027**	0.18	0.037	0.000013	172	0.41	24	1.1	0.0090	4.8E-08	0.000055
	November		0.000075	0.0000089	0.20	**0.022**	0.19	0.039	0.0000052	179	0.41	9.6	1.2	0.0093	2.9E-08	0.000042
	December		0.000072	0.0000018	0.10	**0.019**	0.19	0.040	0.00000099	184	0.41	1.7	1.2	0.0095	1.8E-08	0.000034
		MINIMUM	0.000071	0.0000011	0.10	**0.019**	0.16	0.023	0.00000063	110	0.32	1.1	0.76	0.0061	1.7E-08	0.000033
		MAXIMUM	0.0074	0.00038	6.2	**0.056**	0.68	0.041	0.000044	255	0.43	305	1.2	0.0095	0.000073	0.00011
		AVERAGE	0.0013	0.000037	3.0	**0.032**	0.25	0.034	0.000021	160	0.39	41	1.1	0.0083	0.0000015	0.000068

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2026	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2027	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2028	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	January	2029	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	January	2025	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2026	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2027	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2028	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	January	2029	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

GOLDER
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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2030	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2031	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2032	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2033	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2034	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	January	2030	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2031	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2032	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2033	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2034	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2035	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2036	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2037	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2038	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2039	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2040	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2036	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	January	2037	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	January	2038	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2040	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July	2040	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2041	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	January	2042	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	January	2045	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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Operations

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	July	2040	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	January	2041	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	January	2042	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	October	2045	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2046	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2047	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
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	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2048	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2049	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2050	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October	**2045**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2046**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	January	**2047**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2048**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**May**		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2049**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2050**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2051	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2052	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Decommissioning	January	2053	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2054	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2055	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2052**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Decommissioning	**January**	**2053**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2054**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2055**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	January	2056	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2057	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Reclamation	January	2058	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0067	0.025	0.000076	0.0000064	0.12	0.19	0.000032	0.00013	0.000026	0.0040	0.0000064	0.0013	0.034	0.011	0.00000057
	April		0.022	0.085	0.00026	0.000021	0.51	0.66	0.00011	0.00042	0.000089	0.016	0.000023	0.0048	0.16	0.039	0.0000020
	May		0.035	0.13	0.00040	0.000033	0.60	1.00	0.00017	0.00066	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	June		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.049	0.0000083	0.000033	0.0000066	0.0010	0.0000017	0.00033	0.0089	0.0030	0.00000015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2059	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000033	0.00013	0.000027	0.0041	0.0000067	0.0013	0.035	0.012	0.00000059
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00074	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000033
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2060	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	April		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000013	0.0021	0.0000033	0.00067	0.018	0.0059	0.0000003
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2057**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000013	0.00017	0.0059	0.00022	0.00032	0.00033	0.0000064	0.060	0.0013	0.25	0.00033	0.0000065	0.000026	0.00045
	April		0.000044	0.00055	0.023	0.0010	0.0012	0.0012	0.000023	0.25	0.0055	0.88	0.0012	0.000023	0.000091	0.0015
	May		0.000067	0.00086	0.031	0.0012	0.0017	0.0017	0.000034	0.31	0.0069	1.3	0.0017	0.000034	0.00013	0.0023
	June		0.000089	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.7	0.0023	0.000045	0.00018	0.0031
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0021	0.000042	0.00017	0.0029
	September		0.000056	0.00073	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0059	1.1	0.0014	0.000028	0.00011	0.0020
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0014	0.000027	0.00011	0.0019
	November		0.0000033	0.000043	0.0015	0.000058	0.000084	0.000084	0.0000017	0.016	0.00034	0.065	0.000084	0.0000017	0.0000066	0.00012
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000013	0.00017	0.0061	0.00023	0.00034	0.00034	0.0000067	0.062	0.0014	0.26	0.00034	0.0000067	0.000027	0.00046
	May		0.000075	0.00096	0.034	0.0013	0.0019	0.0019	0.000038	0.35	0.0078	1.5	0.0019	0.000038	0.00015	0.0026
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0021	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0019	0.000037	0.00015	0.0026
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0016	0.000032	0.00013	0.0022
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0018	0.000035	0.00014	0.0024
	October		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.000082	0.0000016	0.0000064	0.00011
	April		0.000040	0.00051	0.018	0.00069	0.0010	0.0010	0.000020	0.19	0.0041	0.78	0.0010	0.000020	0.000080	0.0014
	May		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0016	0.000032	0.00013	0.0022
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0021	0.000042	0.00017	0.0029
	July		0.000075	0.00097	0.035	0.0013	0.0019	0.0019	0.000038	0.35	0.0078	1.5	0.0019	0.000038	0.00015	0.0026
	August		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	September		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0019	0.000038	0.00015	0.0026
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0014	0.000027	0.00011	0.0019
	November		0.0000066	0.000085	0.0031	0.00012	0.00017	0.00017	0.0000033	0.031	0.00069	0.13	0.00017	0.0000033	0.000013	0.00023
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.000082	0.0000016	0.0000064	0.00011

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**January**	**2061**	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	April		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.023	0.087	0.00026	0.000022	0.39	0.65	0.00011	0.00043	0.000088	0.014	0.000022	0.0044	0.12	0.039	0.0000020
	June		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	July		0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2062**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.0087	0.033	0.000099	0.0000082	0.15	0.25	0.000042	0.00016	0.000033	0.0052	0.0000083	0.0017	0.044	0.015	0.00000074
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	November		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2063**	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	February		0.0037	0.014	0.000042	0.0000035	0.064	0.11	0.000018	0.000070	0.000014	0.0022	0.0000036	0.00072	0.019	0.0063	0.00000032
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.016	0.060	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.0094	0.000015	0.0031	0.081	0.027	0.0000014
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2064**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000080	0.00032	0.000064	0.0100	0.000016	0.0032	0.086	0.029	0.0000014
	June		0.026	0.099	0.00030	0.000025	0.45	0.74	0.00012	0.00049	0.000099	0.015	0.000025	0.0050	0.13	0.044	0.0000022
	July		0.021	0.080	0.00024	0.000020	0.36	0.60	0.00010	0.00040	0.000081	0.013	0.000020	0.0041	0.11	0.036	0.0000018
	August		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.015	0.057	0.00017	0.000014	0.26	0.43	0.000072	0.00029	0.000058	0.0090	0.000015	0.0029	0.077	0.026	0.0000013
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2065**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000094	0.17	0.28	0.000048	0.00019	0.000038	0.0059	0.0000096	0.0019	0.051	0.017	0.00000085
	April		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	May		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00024	0.00095	0.00019	0.030	0.000048	0.0097	0.26	0.086	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	November		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	January	**2066**	0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	February		0.015	0.056	0.00017	0.000014	0.26	0.42	0.000071	0.00028	0.000057	0.0088	0.000014	0.0029	0.076	0.025	0.0000013
	March		0.022	0.083	0.00025	0.000021	0.37	0.62	0.00010	0.00041	0.000083	0.013	0.000021	0.0042	0.11	0.037	0.0000019

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	January	2061	0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.000082	0.0000016	0.0000064	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.00057	0.000011	0.000045	0.00078
	April		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0015	0.000030	0.00012	0.0021
	May		0.000044	0.00056	0.020	0.00076	0.0011	0.0011	0.000022	0.20	0.0045	0.86	0.0011	0.000022	0.000088	0.0015
	June		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	July		0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0025	0.000050	0.00020	0.0035
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0021	0.000042	0.00017	0.0029
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	October		0.000067	0.00087	0.031	0.0012	0.0017	0.0017	0.000034	0.32	0.0070	1.3	0.0017	0.000034	0.00013	0.0023
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.00025	0.0000050	0.047	0.0010	0.19	0.00025	0.0000050	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2062	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.00041	0.0000081	0.075	0.0017	0.31	0.00041	0.0000081	0.000032	0.00056
	April		0.000017	0.00021	0.0076	0.00029	0.00042	0.00042	0.0000083	0.078	0.0017	0.32	0.00042	0.0000083	0.000033	0.00058
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0019	0.000037	0.00015	0.0026
	June		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0022	0.000043	0.00017	0.0030
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0016	0.000032	0.00013	0.0022
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	October		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0011	0.000023	0.000090	0.0016
	November		0.000030	0.00038	0.014	0.00052	0.00076	0.00076	0.000015	0.14	0.0031	0.58	0.00076	0.000015	0.000060	0.0010
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2063	0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00016	0.0000032	0.000013	0.00022
	February		0.0000071	0.000091	0.0033	0.00012	0.00018	0.00018	0.0000036	0.033	0.00074	0.14	0.00018	0.0000036	0.000014	0.00025
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.00041	0.0000081	0.075	0.0017	0.31	0.00041	0.0000081	0.000032	0.00056
	April		0.000030	0.00039	0.014	0.00053	0.00077	0.00077	0.000015	0.14	0.0031	0.59	0.00077	0.000015	0.000061	0.0011
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0019	0.000037	0.00015	0.0026
	June		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0019	0.000038	0.00015	0.0026
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0022	0.000044	0.00017	0.0030
	August		0.000074	0.00096	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0019	0.000037	0.00015	0.0026
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0018	0.000035	0.00014	0.0024
	October		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0013	0.000026	0.00010	0.0018
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2064	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00016	0.0000032	0.000013	0.00022
	April		0.000030	0.00038	0.014	0.00052	0.00076	0.00076	0.000015	0.14	0.0031	0.58	0.00076	0.000015	0.000060	0.0010
	May		0.000032	0.00041	0.015	0.00056	0.00081	0.00082	0.000016	0.15	0.0033	0.63	0.00082	0.000016	0.000064	0.0011
	June		0.000050	0.00064	0.023	0.00086	0.0013	0.0013	0.000025	0.23	0.0052	0.97	0.0013	0.000025	0.000100	0.0017
	July		0.000040	0.00052	0.019	0.00070	0.0010	0.0010	0.000020	0.19	0.0042	0.79	0.0010	0.000020	0.000081	0.0014
	August		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0020	0.000039	0.00015	0.0027
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.0019	0.000037	0.34	0.0076	1.4	0.0019	0.000037	0.00015	0.0025
	October		0.000029	0.00037	0.013	0.00050	0.00073	0.00073	0.000015	0.14	0.0030	0.56	0.00073	0.000015	0.000058	0.0010
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2065	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.0088	0.00033	0.00048	0.00048	0.0000096	0.089	0.0020	0.37	0.00048	0.0000096	0.000038	0.00066
	April		0.000056	0.00073	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0059	1.1	0.0014	0.000028	0.00011	0.0020
	May		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0013	0.000026	0.00010	0.0018
	June		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0022	0.000043	0.00017	0.0030
	July		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0021	0.000042	0.00017	0.0029
	August		0.000096	0.0012	0.044	0.0017	0.0024	0.0024	0.000048	0.45	0.0100	1.9	0.0024	0.000048	0.00019	0.0033
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.0019	0.000037	0.34	0.0076	1.4	0.0019	0.000037	0.00015	0.0025
	October		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0016	0.000032	0.00013	0.0022
	November		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0015	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0011	0.000023	0.000090	0.0016
	January	2066	0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0011	0.000023	0.000090	0.0016
	February		0.000028	0.00037	0.013	0.00049	0.00072	0.00072	0.000014	0.13	0.0029	0.55	0.00072	0.000014	0.000057	0.00099
	March		0.000042	0.00054	0.019	0.00072	0.0011	0.0011	0.000021	0.20	0.0043	0.81	0.0011	0.000021	0.000084	0.0014

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.86	0.00014	0.00057	0.00012	0.018	0.000029	0.0058	0.15	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.69	0.00012	0.00046	0.000093	0.014	0.000023	0.0047	0.12	0.041	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.028	0.11	0.00032	0.000026	0.48	0.79	0.00013	0.00053	0.00011	0.016	0.000027	0.0054	0.14	0.047	0.0000024
	May		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	June		0.033	0.12	0.00037	0.000031	0.57	0.94	0.00016	0.00062	0.00013	0.020	0.000032	0.0064	0.17	0.056	0.0000028
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.028	0.000045	0.0091	0.24	0.080	0.0000040
	September		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	November		0.0048	0.018	0.000054	0.0000045	0.082	0.14	0.000023	0.000090	0.000018	0.0028	0.0000046	0.00092	0.024	0.0081	0.00000041
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
		MAXIMUM	0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
		AVERAGE	0.027	0.10	0.00031	0.000026	0.47	0.78	0.00013	0.00052	0.00010	0.016	0.000026	0.0053	0.14	0.047	0.0000023
Post-Closure	**January**	**≥2070**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.024	0.092	0.00028	0.000023	0.42	0.69	0.00012	0.00046	0.000093	0.014	0.000023	0.0047	0.12	0.041	0.0000021
	May		0.035	0.13	0.00040	0.000033	0.60	1.00	0.00017	0.00066	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	October		0.032	0.12	0.00036	0.000030	0.55	0.91	0.00015	0.00060	0.00012	0.019	0.000031	0.0062	0.16	0.054	0.0000027
	November		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000033	0.00013	0.000027	0.0041	0.0000067	0.0013	0.035	0.012	0.00000059
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
		MAXIMUM	0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
		AVERAGE	0.029	0.11	0.00033	0.000028	0.50	0.84	0.00014	0.00055	0.00011	0.017	0.000028	0.0057	0.15	0.050	0.0000025

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-3: Scenario 1: Application Case - East Freshwater Diversion

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0015	0.000030	0.00012	0.0021
	May		0.000058	0.00074	0.027	0.0010	0.0015	0.0015	0.000029	0.27	0.0060	1.1	0.0015	0.000029	0.00012	0.0020
	June		0.000040	0.00051	0.018	0.00069	0.0010	0.0010	0.000020	0.19	0.0041	0.78	0.0010	0.000020	0.000080	0.0014
	July		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0011	0.000023	0.000090	0.0016
	August		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0013	0.000026	0.00010	0.0018
	September		0.000046	0.00060	0.021	0.00081	0.0012	0.0012	0.000023	0.22	0.0048	0.91	0.0012	0.000023	0.000093	0.0016
	October		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.00057	0.000011	0.000045	0.00078
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.00025	0.0000050	0.047	0.0010	0.19	0.00025	0.0000050	0.000020	0.00035
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.000082	0.0000016	0.0000064	0.00011
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00016	0.0000032	0.000013	0.00022
	April		0.000053	0.00068	0.024	0.00092	0.0013	0.0013	0.000027	0.25	0.0055	1.0	0.0013	0.000027	0.00011	0.0018
	May		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0014	0.000027	0.00011	0.0019
	June		0.000063	0.00081	0.029	0.0011	0.0016	0.0016	0.000032	0.29	0.0065	1.2	0.0016	0.000032	0.00013	0.0022
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0022	0.000044	0.00017	0.0030
	August		0.000090	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.8	0.0023	0.000045	0.00018	0.0031
	September		0.000089	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.7	0.0023	0.000045	0.00018	0.0031
	October		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0019	0.000038	0.00015	0.0027
	November		0.0000091	0.00012	0.0042	0.00016	0.00023	0.00023	0.0000046	0.043	0.00095	0.18	0.00023	0.0000046	0.000018	0.00032
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.000082	0.0000016	0.0000064	0.00011
		MAXIMUM	0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0025	0.000050	0.00020	0.0035
		AVERAGE	0.000052	0.00067	0.024	0.00091	0.0013	0.0013	0.000026	0.25	0.0054	1.0	0.0013	0.000026	0.00010	0.0018
Post-Closure	**January**	**≥2070**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00016	0.0000032	0.000013	0.00022
	April		0.000046	0.00060	0.021	0.00081	0.0012	0.0012	0.000023	0.22	0.0048	0.91	0.0012	0.000023	0.000093	0.0016
	May		0.000067	0.00086	0.031	0.0012	0.0017	0.0017	0.000034	0.31	0.0070	1.3	0.0017	0.000034	0.00013	0.0023
	June		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0019	0.000038	0.00015	0.0026
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
	August		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0020	0.000039	0.00015	0.0027
	September		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0019	0.000038	0.00015	0.0026
	October		0.000061	0.00078	0.028	0.0011	0.0015	0.0016	0.000031	0.29	0.0063	1.2	0.0016	0.000031	0.00012	0.0021
	November		0.000013	0.00017	0.0061	0.00023	0.00034	0.00034	0.0000067	0.062	0.0014	0.26	0.00034	0.0000067	0.000027	0.00046
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00016	0.0000032	0.000013	0.00022
		MAXIMUM	0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0020	0.000040	0.00016	0.0028
		AVERAGE	0.000056	0.00072	0.026	0.00097	0.0014	0.0014	0.000028	0.26	0.0058	1.1	0.0014	0.000028	0.00011	0.0019

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0057	0.028	0.00011	0.0000066	3.3	0.58	0.00019	0.000088	0.00012	0.080	0.000045	0.012	1.1	0.023	0.0000015
	April		0.011	0.048	0.00016	0.000012	2.5	0.63	0.00017	0.00020	0.00012	0.063	0.000040	0.010	0.87	0.029	0.0000017
	May		0.016	0.065	0.00022	0.000016	2.5	0.76	0.00019	0.00029	0.00013	0.064	0.000043	0.011	0.86	0.037	0.0000021
	June		0.025	0.098	0.00032	0.000024	3.0	1.0	0.00025	0.00045	0.00017	0.075	0.000055	0.013	1.0	0.052	0.0000029
	July		0.037	0.15	0.00046	0.000036	3.2	1.4	0.00031	0.00069	0.00022	0.084	0.000068	0.016	1.1	0.074	0.0000040
	August		0.050	0.19	0.00061	0.000048	3.6	1.8	0.00038	0.00092	0.00028	0.095	0.000082	0.019	1.2	0.096	0.0000051
	September		0.053	0.21	0.00064	**0.000051**	3.3	1.8	0.00038	0.00099	0.00028	0.088	0.000081	0.018	1.1	0.10	0.0000053
	October		0.053	0.21	0.00064	**0.000051**	3.0	1.8	0.00036	0.00099	0.00027	0.081	0.000077	0.017	0.99	0.099	0.0000052
	November		0.051	0.20	0.00061	0.000049	2.7	1.7	0.00034	0.00096	0.00025	0.075	0.000072	0.016	0.90	0.095	0.0000049
	December		0.051	0.20	0.00061	0.000049	2.7	1.7	0.00034	0.00095	0.00025	0.073	0.000071	0.016	0.88	0.094	0.0000049
	January	**2026**	0.050	0.19	0.00059	0.000048	2.5	1.6	0.00032	0.00093	0.00024	0.070	0.000069	0.015	0.84	0.092	0.0000048
	February		0.050	0.19	0.00059	0.000048	2.5	1.6	0.00032	0.00093	0.00024	0.070	0.000069	0.015	0.84	0.092	0.0000048
	March		0.049	0.19	0.00058	0.000047	2.5	1.6	0.00032	0.00092	0.00024	0.069	0.000068	0.015	0.83	0.091	0.0000047
	April		0.044	0.17	0.00052	0.000042	2.1	1.4	0.00028	0.00082	0.00021	0.059	0.000059	0.013	0.70	0.081	0.0000042
	May		0.060	0.23	0.00071	**0.000057**	2.9	2.0	0.00038	0.0011	0.00029	0.080	0.000080	0.018	0.95	0.11	0.0000057
	June		0.063	0.24	0.00075	**0.000061**	3.0	2.1	0.00040	0.0012	0.00030	0.083	0.000084	0.019	0.98	0.12	0.0000060
	July		0.071	0.27	0.00084	**0.000068**	3.3	2.3	0.00045	0.0013	0.00034	0.092	0.000094	0.021	1.1	0.13	0.0000067
	August		0.061	0.24	0.00072	**0.000059**	2.8	2.0	0.00038	0.0011	0.00029	0.078	0.000080	0.018	0.91	0.11	0.0000058
	September		0.059	0.23	0.00069	**0.000056**	2.7	1.9	0.00037	0.0011	0.00028	0.074	0.000077	0.017	0.87	0.11	0.0000055
	October		0.060	0.23	0.00070	**0.000057**	2.7	1.9	0.00037	0.0011	0.00028	0.075	0.000078	0.017	0.87	0.11	0.0000056
	November		0.063	0.24	0.00074	**0.000060**	2.8	2.0	0.00039	0.0012	0.00029	0.078	0.000081	0.018	0.92	0.11	0.0000059
	December		0.059	0.23	0.00069	**0.000056**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000077	0.017	0.86	0.11	0.0000055
	January	**2027**	0.057	0.22	0.00067	**0.000055**	2.6	1.8	0.00035	0.0011	0.00027	0.072	0.000074	0.016	0.84	0.10	0.0000054
	February		0.050	0.19	0.00059	0.000048	2.2	1.6	0.00031	0.00093	0.00023	0.062	0.000065	0.014	0.73	0.091	0.0000047
	March		0.045	0.17	0.00053	0.000043	2.0	1.4	0.00028	0.00084	0.00021	0.056	0.000058	0.013	0.66	0.082	0.0000042
	April		0.042	0.16	0.00050	0.000040	1.9	1.4	0.00026	0.00079	0.00020	0.052	0.000055	0.012	0.61	0.077	0.0000039
	May		0.046	0.18	0.00054	0.000044	2.0	1.5	0.00028	0.00086	0.00021	0.057	0.000059	0.013	0.66	0.083	0.0000043
	June		0.053	0.20	0.00062	0.000051	2.3	1.7	0.00033	0.00100	0.00025	0.065	0.000069	0.015	0.76	0.096	0.0000050
	July		0.053	0.20	0.00062	0.000051	2.3	1.7	0.00033	0.00099	0.00025	0.065	0.000068	0.015	0.76	0.096	0.0000050
	August		0.061	0.23	0.00072	**0.000058**	2.7	2.0	0.00037	0.0011	0.00028	0.075	0.000078	0.017	0.87	0.11	0.0000057
	September		0.077	0.29	0.00090	**0.000073**	3.3	2.4	0.00047	0.0014	0.00035	0.094	0.000098	0.022	1.1	0.14	0.0000071
	October		0.082	0.31	0.00096	**0.000078**	3.5	2.6	0.00050	0.0015	0.00038	0.100	0.00010	0.023	1.2	0.15	0.0000076
	November		0.072	0.27	0.00084	**0.000068**	3.1	2.3	0.00044	0.0013	0.00033	0.087	0.000092	0.020	1.0	0.13	0.0000067
	December		0.072	0.27	0.00084	**0.000068**	3.1	2.3	0.00044	0.0013	0.00033	0.087	0.000092	0.020	1.0	0.13	0.0000067
	January	**2028**	0.072	0.27	0.00084	**0.000068**	3.1	2.3	0.00044	0.0013	0.00033	0.087	0.000092	0.020	1.0	0.13	0.0000067
	February		0.072	0.27	0.00084	**0.000068**	3.1	2.3	0.00044	0.0013	0.00033	0.087	0.000092	0.020	1.0	0.13	0.0000067
	March		0.070	0.27	0.00096	**0.000067**	3.2	2.9	0.00045	0.0013	0.00038	0.094	0.000090	0.020	1.0	0.13	0.0000087
	April		0.058	0.22	0.0011	**0.000057**	2.9	3.7	0.00041	0.0011	0.00041	0.093	0.000074	0.019	0.84	0.10	0.000011
	May		0.052	0.20	0.00089	**0.000051**	2.3	3.0	0.00035	0.0010	0.00034	0.074	0.000064	0.015	0.67	0.094	0.0000090
	June		0.065	0.25	0.0011	**0.000064**	2.7	3.5	0.00042	0.0013	0.00041	0.088	0.000079	0.019	0.80	0.12	0.000011
	July		0.077	0.29	0.0012	**0.000075**	3.0	3.9	0.00048	0.0015	0.00045	0.096	0.000091	0.021	0.88	0.14	0.000012
	August		0.083	0.32	0.0012	**0.000080**	3.0	3.9	0.00050	0.0016	0.00046	0.096	0.000096	0.022	0.89	0.15	0.000012
	September		0.089	0.34	0.0013	**0.000086**	3.1	4.1	0.00053	0.0017	0.00049	0.10	0.00010	0.023	0.92	0.16	0.000012
	October		0.10	0.38	0.0015	**0.000097**	3.4	4.5	0.00060	0.0019	0.00054	0.11	0.00011	0.026	1.0	0.18	0.000014
	November		0.10	0.39	0.0015	**0.000098**	3.4	4.5	0.00060	0.0019	0.00054	0.11	0.00012	0.026	1.0	0.18	0.000014
	December		0.10	0.39	0.0015	**0.000098**	3.4	4.5	0.00060	0.0019	0.00054	0.11	0.00011	0.026	1.0	0.18	0.000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	1.9	0.57	0.00017	0.000050	0.00012	0.052	0.000040	0.010	0.61	0.021	0.0000014
		MAXIMUM	0.10	0.39	0.0015	**0.000098**	3.6	4.5	0.00060	0.0019	0.00054	0.11	0.00012	0.026	1.2	0.18	0.000014
		AVERAGE	0.056	0.22	0.00073	**0.000054**	2.9	2.1	0.00037	0.0011	0.00029	0.081	0.000077	0.017	0.93	0.10	0.0000063
Operations	**January**	**2029**	0.10	0.39	0.0015	**0.000098**	3.4	4.5	0.00060	0.0019	0.00054	0.11	0.00011	0.026	1.0	0.18	0.000014
	February		0.10	0.39	0.0015	**0.000098**	3.4	4.5	0.00060	0.0019	0.00054	0.11	0.00011	0.026	1.0	0.18	0.000013
	March		0.091	0.34	0.0013	**0.000087**	3.0	3.9	0.00053	0.0017	0.00048	0.097	0.00010	0.023	0.90	0.16	0.000012
	April		0.072	0.27	0.0010	**0.000069**	2.3	3.0	0.00041	0.0014	0.00037	0.074	0.000080	0.018	0.69	0.13	0.0000091
	May		0.073	0.28	0.0010	**0.000070**	2.3	3.0	0.00042	0.0014	0.00037	0.073	0.000081	0.018	0.68	0.13	0.0000090
	June		0.078	0.29	0.0010	**0.000074**	2.3	3.1	0.00044	0.0015	0.00038	0.076	0.000085	0.019	0.70	0.14	0.0000092
	July		0.097	0.37	0.0013	**0.000093**	2.9	3.8	0.00054	0.0018	0.00047	0.092	0.00011	0.023	0.86	0.17	0.000011
	August		0.11	0.43	0.0015	**0.00011**	3.2	4.2	0.00062	0.0021	0.00053	0.10	0.00012	0.026	0.97	0.20	0.000013
	September		0.11	0.40	0.0014	**0.00010**	2.9	3.9	0.00058	0.0020	0.00049	0.095	0.00011	0.024	0.89	0.18	0.000012
	October		0.11	0.43	0.0015	**0.00011**	3.1	4.1	0.00062	0.0021	0.00052	0.10	0.00012	0.026	0.95	0.20	0.000012
	November		0.11	0.43	0.0015	**0.00011**	3.1	4.1	0.00062	0.0022	0.00052	0.10	0.00012	0.026	0.94	0.20	0.000012
	December		0.11	0.43	0.0014	**0.00011**	3.1	4.1	0.00061	0.0021	0.00052	0.100	0.00012	0.026	0.94	0.20	0.000012

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	January	2025	0.000053	0.000073	0.090	0.0075	0.0043	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.00012	0.084	0.0069	0.0061	0.0041	0.000045	1.3	0.028	1.4	0.0046	0.000048	0.00015	0.00088
	April		0.000052	0.00026	0.068	0.0053	0.0056	0.0033	0.000040	1.00	0.022	1.3	0.0040	0.000042	0.00013	0.0011
	May		0.000060	0.00038	0.070	0.0053	0.0064	0.0035	0.000043	1.0	0.022	1.4	0.0044	0.000046	0.00015	0.0014
	June		0.000080	0.00059	0.084	0.0062	0.0082	0.0042	0.000055	1.2	0.026	1.9	0.0056	0.000058	0.00019	0.0020
	July		0.00010	0.00090	0.096	0.0067	0.0098	0.0049	0.000068	1.3	0.029	2.4	0.0068	0.000070	0.00024	0.0029
	August		0.00013	0.0012	0.11	0.0074	0.012	0.0057	0.000082	1.5	0.033	2.9	0.0082	0.000085	0.00030	0.0037
	September		0.00013	0.0013	0.11	0.0068	0.012	0.0054	0.000081	1.4	0.030	2.9	0.0081	0.000083	0.00030	0.0039
	October		0.00013	0.0013	0.098	0.0062	0.012	0.0051	0.000077	1.3	0.028	2.8	0.0078	0.000079	0.00028	0.0039
	November		0.00012	0.0013	0.091	0.0056	0.011	0.0047	0.000072	1.2	0.026	2.6	0.0073	0.000074	0.00027	0.0037
	December		0.00012	0.0012	0.089	0.0055	0.012	0.0046	0.000071	1.1	0.025	2.6	0.0072	0.000073	0.00026	0.0037
	January	2026	0.00012	0.0012	0.085	0.0052	0.012	0.0044	0.000069	1.1	0.024	2.5	0.0069	0.000070	0.00026	0.0036
	February		0.00012	0.0012	0.085	0.0052	0.012	0.0044	0.000069	1.1	0.024	2.5	0.0069	0.000070	0.00026	0.0036
	March		0.00012	0.0012	0.085	0.0052	0.013	0.0044	0.000068	1.1	0.024	2.5	0.0068	0.000070	0.00025	0.0035
	April		0.00010	0.0011	0.073	0.0044	0.0099	0.0038	0.000059	0.92	0.020	2.2	0.0060	0.000061	0.00022	0.0031
	May		0.00014	0.0015	0.098	0.0059	0.014	0.0051	0.000080	1.2	0.027	2.9	0.0081	0.000082	0.00030	0.0043
	June		0.00015	0.0015	0.10	0.0061	0.013	0.0053	0.000084	1.3	0.028	3.1	0.0085	0.000086	0.00032	0.0045
	July		0.00016	0.0017	0.11	0.0067	0.014	0.0059	0.000094	1.4	0.031	3.4	0.0094	0.000096	0.00035	0.0050
	August		0.00014	0.0015	0.097	0.0057	0.011	0.0050	0.000080	1.2	0.027	2.9	0.0081	0.000082	0.00030	0.0043
	September		0.00013	0.0014	0.093	0.0054	0.010	0.0048	0.000077	1.2	0.025	2.8	0.0077	0.000079	0.00029	0.0042
	October		0.00014	0.0015	0.093	0.0054	0.011	0.0048	0.000078	1.2	0.026	2.8	0.0078	0.000079	0.00029	0.0042
	November		0.00014	0.0015	0.098	0.0057	0.012	0.0051	0.000081	1.2	0.027	3.0	0.0082	0.000083	0.00031	0.0044
	December		0.00013	0.0014	0.092	0.0054	0.012	0.0048	0.000077	1.2	0.025	2.8	0.0077	0.000078	0.00029	0.0042
	January	2027	0.00013	0.0014	0.089	0.0052	0.012	0.0046	0.000074	1.1	0.024	2.7	0.0075	0.000076	0.00028	0.0040
	February		0.00011	0.0012	0.078	0.0045	0.010	0.0040	0.000065	0.97	0.021	2.4	0.0065	0.000066	0.00024	0.0035
	March		0.00010	0.0011	0.070	0.0041	0.0092	0.0036	0.000058	0.87	0.019	2.1	0.0059	0.000060	0.00022	0.0032
	April		0.000095	0.0010	0.065	0.0038	0.0085	0.0034	0.000055	0.82	0.018	2.0	0.0055	0.000056	0.00021	0.0030
	May		0.00010	0.0011	0.071	0.0041	0.0089	0.0037	0.000059	0.88	0.019	2.2	0.0059	0.000061	0.00022	0.0032
	June		0.00012	0.0013	0.082	0.0048	0.0098	0.0043	0.000069	1.0	0.022	2.5	0.0069	0.000070	0.00026	0.0037
	July		0.00012	0.0013	0.082	0.0047	0.0088	0.0043	0.000068	1.0	0.022	2.5	0.0069	0.000070	0.00026	0.0037
	August		0.00014	0.0015	0.093	0.0054	0.0097	0.0049	0.000078	1.2	0.026	2.9	0.0079	0.000080	0.00030	0.0043
	September		0.00017	0.0019	0.12	0.0068	0.013	0.0061	0.000098	1.5	0.032	3.6	0.0099	0.00010	0.00037	0.0054
	October		0.00018	0.0020	0.12	0.0072	0.015	0.0065	0.00010	1.6	0.034	3.8	0.011	0.00011	0.00039	0.0057
	November		0.00016	0.0017	0.11	0.0063	0.013	0.0057	0.000092	1.4	0.030	3.4	0.0092	0.000094	0.00035	0.0050
	December		0.00016	0.0017	0.11	0.0063	0.014	0.0057	0.000092	1.4	0.030	3.4	0.0092	0.000094	0.00035	0.0050
	January	2028	0.00016	0.0017	0.11	0.0063	0.015	0.0057	0.000092	1.4	0.030	3.4	0.0092	0.000094	0.00035	0.0050
	February		0.00016	0.0017	0.11	0.0063	0.016	0.0057	0.000092	1.4	0.030	3.4	0.0092	0.000094	0.00035	0.0050
	March		0.00029	0.0017	0.11	0.0071	0.017	0.011	0.00010	1.3	0.030	3.7	0.010	0.0029	0.00038	0.0054
	April		0.00049	0.0015	0.086	0.0075	0.014	0.019	0.00011	1.1	0.026	3.9	0.011	0.0078	0.00039	0.0053
	May		0.00037	0.0013	0.072	0.0058	0.011	0.014	0.000090	0.89	0.021	3.2	0.0092	0.0055	0.00032	0.0045
	June		0.00043	0.0017	0.088	0.0068	0.014	0.017	0.00011	1.1	0.025	3.9	0.011	0.0062	0.00039	0.0055
	July		0.00046	0.0020	0.100	0.0074	0.016	0.017	0.00012	1.2	0.028	4.4	0.012	0.0063	0.00044	0.0063
	August		0.00044	0.0021	0.10	0.0072	0.016	0.016	0.00012	1.2	0.028	4.5	0.012	0.0057	0.00045	0.0066
	September		0.00045	0.0022	0.11	0.0074	0.017	0.016	0.00013	1.3	0.030	4.7	0.013	0.0056	0.00047	0.0070
	October		0.00049	0.0025	0.12	0.0082	0.020	0.018	0.00014	1.4	0.033	5.2	0.014	0.0060	0.00053	0.0079
	November		0.00049	0.0026	0.12	0.0081	0.020	0.018	0.00014	1.4	0.033	5.2	0.015	0.0059	0.00053	0.0079
	December		0.00048	0.0025	0.12	0.0081	0.021	0.018	0.00014	1.4	0.033	5.2	0.014	0.0059	0.00053	0.0079
		MINIMUM	0.000052	0.000073	0.065	0.0038	0.0043	0.0033	0.000040	0.82	0.018	1.3	0.0040	0.000042	0.00013	0.00080
		MAXIMUM	0.00049	0.0026	0.12	0.0082	0.021	0.019	0.00014	1.6	0.034	5.2	0.015	0.0078	0.00053	0.0079
		AVERAGE	0.00019	0.0014	0.094	0.0061	0.012	0.0072	0.000082	1.2	0.027	3.0	0.0083	0.0013	0.00030	0.0042
Operations	January	2029	0.00048	0.0025	0.12	0.0081	0.022	0.018	0.00014	1.4	0.033	5.2	0.014	0.0059	0.00053	0.0079
	February		0.00048	0.0025	0.12	0.0081	0.023	0.018	0.00014	1.4	0.033	5.2	0.014	0.0059	0.00053	0.0079
	March		0.00042	0.0023	0.11	0.0071	0.020	0.015	0.00013	1.3	0.029	4.6	0.013	0.0050	0.00047	0.0070
	April		0.00031	0.0018	0.084	0.0053	0.015	0.011	0.000096	0.98	0.022	3.6	0.0098	0.0035	0.00036	0.0055
	May		0.00030	0.0018	0.085	0.0052	0.015	0.011	0.000096	0.98	0.022	3.5	0.0097	0.0033	0.00036	0.0055
	June		0.00030	0.0019	0.089	0.0054	0.015	0.011	0.000100	1.0	0.023	3.7	0.010	0.0032	0.00038	0.0058
	July		0.00036	0.0024	0.11	0.0065	0.019	0.013	0.00012	1.3	0.029	4.6	0.012	0.0036	0.00046	0.0072
	August		0.00040	0.0028	0.13	0.0072	0.021	0.014	0.00014	1.4	0.032	5.2	0.014	0.0037	0.00053	0.0082
	September		0.00036	0.0026	0.12	0.0065	0.019	0.012	0.00013	1.3	0.030	4.8	0.013	0.0031	0.00049	0.0077
	October		0.00037	0.0028	0.12	0.0069	0.020	0.013	0.00014	1.4	0.032	5.1	0.014	0.0032	0.00052	0.0082
	November		0.00037	0.0028	0.12	0.0069	0.021	0.012	0.00014	1.4	0.032	5.1	0.014	0.0031	0.00052	0.0082
	December		0.00037	0.0028	0.12	0.0068	0.022	0.012	0.00013	1.4	0.032	5.1	0.014	0.0031	0.00052	0.0081

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2030	0.11	0.43	0.0014	**0.00011**	3.1	4.1	0.00061	0.0021	0.00052	0.100	0.00012	0.026	0.94	0.20	0.000012
	February		0.11	0.41	0.0014	**0.00010**	2.9	3.9	0.00058	0.0020	0.00049	0.095	0.00011	0.024	0.89	0.19	0.000012
	March		0.089	0.34	0.0011	**0.000085**	2.4	3.2	0.00048	0.0017	0.00040	0.078	0.000095	0.020	0.73	0.15	0.0000095
	April		0.085	0.32	0.0011	**0.000081**	2.3	3.0	0.00046	0.0016	0.00038	0.073	0.000090	0.019	0.69	0.15	0.0000089
	May		0.088	0.33	0.0011	**0.000084**	2.3	3.0	0.00047	0.0017	0.00039	0.075	0.000093	0.020	0.70	0.15	0.0000091
	June		0.077	0.29	0.00095	**0.000073**	2.0	2.6	0.00041	0.0015	0.00034	0.063	0.000081	0.017	0.60	0.13	0.0000078
	July		0.075	0.28	0.00091	**0.000071**	1.9	2.4	0.00039	0.0014	0.00032	0.060	0.000078	0.016	0.57	0.13	0.0000073
	August		0.082	0.31	0.00099	**0.000078**	2.0	2.6	0.00043	0.0016	0.00035	0.065	0.000086	0.018	0.61	0.14	0.0000079
	September		0.076	0.29	0.00090	**0.000072**	1.8	2.4	0.00039	0.0014	0.00032	0.059	0.000078	0.016	0.56	0.13	0.0000072
	October		0.076	0.29	0.00091	**0.000072**	1.8	2.4	0.00039	0.0014	0.00032	0.059	0.000079	0.016	0.56	0.13	0.0000072
	November		0.070	0.26	0.00083	**0.000066**	1.7	2.2	0.00036	0.0013	0.00029	0.053	0.000072	0.015	0.51	0.12	0.0000065
	December		0.065	0.24	0.00076	**0.000061**	1.5	2.0	0.00033	0.0012	0.00027	0.049	0.000067	0.014	0.47	0.11	0.0000060
	January	2031	0.061	0.23	0.00072	**0.000058**	1.4	1.9	0.00031	0.0011	0.00025	0.046	0.000063	0.013	0.44	0.11	0.0000057
	February		0.061	0.23	0.00072	**0.000057**	1.4	1.9	0.00031	0.0011	0.00025	0.046	0.000063	0.013	0.44	0.10	0.0000056
	March		0.056	0.21	0.00066	**0.000053**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000058	0.012	0.40	0.097	0.0000052
	April		0.049	0.19	0.00058	0.000047	1.1	1.5	0.00025	0.00093	0.00020	0.037	0.000051	0.010	0.35	0.085	0.0000045
	May		0.051	0.19	0.00060	0.000049	1.2	1.6	0.00026	0.00097	0.00021	0.038	0.000053	0.011	0.36	0.089	0.0000047
	June		0.064	0.24	0.00074	**0.000060**	1.5	1.9	0.00032	0.0012	0.00026	0.047	0.000065	0.013	0.45	0.11	0.0000058
	July		0.079	0.30	0.00092	**0.000075**	1.8	2.4	0.00040	0.0015	0.00032	0.058	0.000081	0.017	0.55	0.14	0.0000071
	August		0.094	0.36	0.0011	**0.000089**	2.1	2.8	0.00048	0.0018	0.00038	0.069	0.000096	0.020	0.66	0.16	0.0000084
	September		0.095	0.36	0.0011	**0.000090**	2.1	2.8	0.00048	0.0018	0.00038	0.069	0.000097	0.020	0.66	0.16	0.0000085
	October		0.092	0.35	0.0011	**0.000087**	2.1	2.7	0.00047	0.0017	0.00037	0.067	0.000094	0.019	0.64	0.16	0.0000082
	November		0.085	0.32	0.00098	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000086	0.018	0.59	0.15	0.0000075
	December		0.082	0.31	0.00095	**0.000078**	1.9	2.5	0.00042	0.0016	0.00033	0.060	0.000084	0.017	0.57	0.14	0.0000073
	January	2032	0.077	0.29	0.00089	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000079	0.016	0.54	0.13	0.0000069
	February		0.077	0.29	0.00088	**0.000072**	1.7	2.3	0.00039	0.0014	0.00031	0.056	0.000078	0.016	0.53	0.13	0.0000068
	March		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.100	0.0000051
	April		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.39	0.097	0.0000049
	May		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.10	0.0000051
	June		0.071	0.27	0.00082	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000063
	July		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000072	0.015	0.49	0.12	0.0000062
	August		0.078	0.30	0.00090	**0.000074**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000069
	September		0.092	0.35	0.0011	**0.000087**	2.0	2.7	0.00046	0.0017	0.00037	0.066	0.000094	0.019	0.63	0.16	0.0000081
	October		0.099	0.38	0.0011	**0.000094**	2.2	2.9	0.00050	0.0019	0.00040	0.071	0.00010	0.020	0.68	0.17	0.0000087
	November		0.098	0.37	0.0011	**0.000092**	2.2	2.9	0.00049	0.0018	0.00039	0.070	0.000100	0.020	0.67	0.17	0.0000086
	December		0.096	0.37	0.0011	**0.000091**	2.1	2.8	0.00049	0.0018	0.00038	0.069	0.000098	0.020	0.66	0.17	0.0000084
	January	2033	0.083	0.31	0.00095	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	February		0.078	0.30	0.00090	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.13	0.0000068
	March		0.075	0.28	0.00085	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.053	0.000076	0.015	0.51	0.13	0.0000065
	April		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	May		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	June		0.078	0.29	0.00089	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000068
	July		0.097	0.37	0.0011	**0.000092**	2.1	2.8	0.00049	0.0018	0.00039	0.069	0.000099	0.020	0.66	0.17	0.0000085
	August		0.11	0.40	0.0012	**0.00010**	2.4	3.1	0.00054	0.0020	0.00042	0.076	0.00011	0.022	0.73	0.18	0.0000093
	September		0.11	0.42	0.0013	**0.00011**	2.5	3.3	0.00056	0.0021	0.00044	0.080	0.00011	0.023	0.76	0.19	0.0000097
	October		0.11	0.43	0.0013	**0.00011**	2.5	3.3	0.00057	0.0021	0.00045	0.080	0.00011	0.023	0.77	0.19	0.0000098
	November		0.099	0.38	0.0011	**0.000094**	2.2	2.9	0.00050	0.0019	0.00039	0.071	0.00010	0.020	0.68	0.17	0.0000086
	December		0.096	0.36	0.0011	**0.000091**	2.1	2.8	0.00048	0.0018	0.00038	0.068	0.000098	0.020	0.65	0.17	0.0000083
	January	2034	0.095	0.36	0.0011	**0.000090**	2.1	2.8	0.00048	0.0018	0.00038	0.068	0.000097	0.020	0.65	0.16	0.0000083
	February		0.094	0.36	0.0011	**0.000089**	2.1	2.8	0.00048	0.0018	0.00037	0.067	0.000096	0.019	0.64	0.16	0.0000082
	March		0.078	0.29	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000068
	April		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	May		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.49	0.13	0.0000063
	June		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000050
	July		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	August		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	September		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	October		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	November		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	December		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	January	2035	0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	February		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	March		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.00037	0.0028	0.12	0.0068	0.022	0.012	0.00013	1.4	0.032	5.1	0.014	0.0031	0.00052	0.0081
	February		0.00035	0.0027	0.12	0.0064	0.022	0.012	0.00013	1.3	0.030	4.8	0.013	0.0029	0.00049	0.0077
	March		0.00028	0.0022	0.097	0.0053	0.018	0.0094	0.00011	1.1	0.025	3.9	0.011	0.0022	0.00040	0.0064
	April		0.00026	0.0021	0.092	0.0049	0.016	0.0086	0.000099	1.0	0.023	3.7	0.010	0.0020	0.00038	0.0061
	May		0.00026	0.0022	0.095	0.0050	0.017	0.0086	0.00010	1.1	0.024	3.8	0.010	0.0019	0.00039	0.0062
	June		0.00022	0.0019	0.082	0.0042	0.013	0.0070	0.000087	0.91	0.020	3.3	0.0088	0.0014	0.00034	0.0054
	July	**2030**	0.00020	0.0018	0.078	0.0039	0.012	0.0063	0.000083	0.87	0.019	3.1	0.0083	0.0011	0.00032	0.0052
	August		0.00021	0.0020	0.086	0.0042	0.013	0.0065	0.000090	0.94	0.021	3.4	0.0091	0.0011	0.00035	0.0057
	September		0.00019	0.0019	0.078	0.0038	0.011	0.0057	0.000082	0.86	0.019	3.1	0.0082	0.00082	0.00032	0.0052
	October		0.00018	0.0019	0.079	0.0038	0.011	0.0056	0.000082	0.87	0.019	3.1	0.0083	0.00077	0.00032	0.0052
	November		0.00017	0.0017	0.072	0.0034	0.011	0.0050	0.000075	0.79	0.018	2.9	0.0075	0.00066	0.00029	0.0048
	December		0.00015	0.0016	0.066	0.0031	0.010	0.0046	0.000069	0.73	0.016	2.6	0.0069	0.00059	0.00027	0.0044
	January		0.00014	0.0015	0.063	0.0029	0.0100	0.0043	0.000065	0.69	0.015	2.5	0.0065	0.00054	0.00025	0.0042
	February		0.00014	0.0015	0.062	0.0029	0.010	0.0043	0.000065	0.68	0.015	2.5	0.0065	0.00053	0.00025	0.0041
	March		0.00013	0.0014	0.057	0.0027	0.0096	0.0039	0.000060	0.63	0.014	2.3	0.0060	0.00047	0.00023	0.0038
	April		0.00011	0.0012	0.050	0.0023	0.0080	0.0033	0.000052	0.55	0.012	2.0	0.0052	0.00036	0.00020	0.0034
	May		0.00011	0.0013	0.052	0.0024	0.0079	0.0034	0.000054	0.57	0.013	2.1	0.0054	0.00032	0.00021	0.0035
	June		0.00014	0.0016	0.065	0.0030	0.0096	0.0041	0.000067	0.70	0.016	2.5	0.0067	0.00036	0.00026	0.0043
	July	**2031**	0.00017	0.0019	0.080	0.0036	0.012	0.0049	0.000083	0.87	0.019	3.2	0.0083	0.00040	0.00032	0.0053
	August		0.00020	0.0023	0.095	0.0043	0.014	0.0058	0.000098	1.0	0.023	3.7	0.0098	0.00042	0.00038	0.0063
	September		0.00020	0.0023	0.096	0.0043	0.014	0.0058	0.000099	1.0	0.023	3.8	0.0099	0.00038	0.00039	0.0064
	October		0.00019	0.0023	0.093	0.0042	0.014	0.0055	0.000095	1.0	0.022	3.6	0.0096	0.00035	0.00037	0.0062
	November		0.00018	0.0021	0.085	0.0038	0.013	0.0051	0.000088	0.93	0.021	3.3	0.0088	0.00031	0.00034	0.0057
	December		0.00017	0.0020	0.083	0.0037	0.013	0.0049	0.000085	0.90	0.020	3.3	0.0085	0.00030	0.00033	0.0056
	January		0.00016	0.0019	0.078	0.0035	0.013	0.0046	0.000080	0.85	0.019	3.1	0.0080	0.00028	0.00031	0.0052
	February		0.00016	0.0019	0.077	0.0034	0.013	0.0046	0.000079	0.84	0.019	3.0	0.0079	0.00027	0.00031	0.0052
	March		0.00012	0.0014	0.058	0.0026	0.0093	0.0034	0.000060	0.63	0.014	2.3	0.0060	0.00019	0.00023	0.0039
	April		0.00012	0.0014	0.056	0.0025	0.0090	0.0033	0.000058	0.61	0.014	2.2	0.0058	0.00017	0.00023	0.0038
	May		0.00012	0.0014	0.059	0.0026	0.0091	0.0034	0.000060	0.63	0.014	2.3	0.0060	0.00016	0.00024	0.0039
	June		0.00015	0.0017	0.071	0.0032	0.011	0.0041	0.000073	0.77	0.017	2.8	0.0073	0.00018	0.00029	0.0048
	July	**2032**	0.00014	0.0017	0.071	0.0031	0.010	0.0040	0.000073	0.77	0.017	2.8	0.0073	0.00017	0.00029	0.0048
Operations	**August**		0.00016	0.0019	0.079	0.0035	0.011	0.0044	0.000080	0.85	0.019	3.1	0.0081	0.00017	0.00032	0.0053
	September		0.00019	0.0023	0.092	0.0041	0.013	0.0052	0.000094	1.00	0.022	3.6	0.0094	0.00019	0.00037	0.0062
	October		0.00020	0.0024	0.100	0.0044	0.015	0.0056	0.00010	1.1	0.024	3.9	0.010	0.00020	0.00040	0.0067
	November		0.00020	0.0024	0.098	0.0043	0.015	0.0055	0.00010	1.1	0.023	3.8	0.010	0.00019	0.00039	0.0066
	December		0.00019	0.0024	0.097	0.0042	0.016	0.0054	0.000099	1.0	0.023	3.8	0.0099	0.00019	0.00039	0.0065
	January		0.00017	0.0020	0.083	0.0036	0.014	0.0046	0.000085	0.90	0.020	3.2	0.0085	0.00016	0.00033	0.0055
	February		0.00016	0.0019	0.079	0.0034	0.013	0.0044	0.000080	0.85	0.019	3.1	0.0080	0.00015	0.00031	0.0053
	March		0.00015	0.0018	0.075	0.0033	0.013	0.0042	0.000076	0.81	0.018	2.9	0.0076	0.00014	0.00030	0.0050
	April		0.00012	0.0015	0.060	0.0026	0.0097	0.0034	0.000061	0.65	0.014	2.4	0.0062	0.00010	0.00024	0.0040
	May		0.00014	0.0017	0.069	0.0030	0.011	0.0038	0.000070	0.75	0.017	2.7	0.0071	0.00012	0.00028	0.0046
	June		0.00015	0.0019	0.078	0.0034	0.012	0.0043	0.000079	0.84	0.019	3.0	0.0079	0.00012	0.00031	0.0052
	July	**2033**	0.00019	0.0024	0.097	0.0042	0.015	0.0054	0.000099	1.1	0.023	3.8	0.0099	0.00015	0.00039	0.0065
	August		0.00021	0.0026	0.11	0.0047	0.016	0.0059	0.00011	1.2	0.026	4.2	0.011	0.00016	0.00043	0.0072
	September		0.00022	0.0027	0.11	0.0049	0.017	0.0062	0.00011	1.2	0.027	4.4	0.011	0.00016	0.00045	0.0075
	October		0.00022	0.0028	0.11	0.0049	0.017	0.0062	0.00011	1.2	0.027	4.4	0.012	0.00016	0.00045	0.0075
	November		0.00020	0.0024	0.099	0.0043	0.016	0.0055	0.00010	1.1	0.024	3.9	0.010	0.00014	0.00040	0.0067
	December		0.00019	0.0023	0.096	0.0042	0.016	0.0053	0.000098	1.0	0.023	3.7	0.0098	0.00013	0.00038	0.0064
	January		0.00019	0.0023	0.096	0.0042	0.016	0.0053	0.000097	1.0	0.023	3.7	0.0097	0.00013	0.00038	0.0064
	February		0.00019	0.0023	0.095	0.0041	0.017	0.0052	0.000096	1.0	0.023	3.7	0.0096	0.00013	0.00038	0.0063
	March		0.00015	0.0019	0.078	0.0034	0.013	0.0043	0.000079	0.84	0.019	3.0	0.0079	0.00011	0.00031	0.0052
	April		0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000084	0.00026	0.0043
	May		0.00014	0.0018	0.073	0.0032	0.012	0.0040	0.000074	0.79	0.017	2.8	0.0074	0.000095	0.00029	0.0049
	June		0.00011	0.0014	0.057	0.0025	0.0080	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000070	0.00023	0.0038
	July	**2034**	0.00011	0.0013	0.054	0.0024	0.0068	0.0030	0.000055	0.58	0.013	2.1	0.0055	0.000063	0.00022	0.0036
	August		0.00012	0.0015	0.062	0.0027	0.0077	0.0034	0.000063	0.67	0.015	2.4	0.0064	0.000071	0.00025	0.0042
	September		0.00012	0.0015	0.063	0.0027	0.0076	0.0034	0.000064	0.68	0.015	2.4	0.0064	0.000070	0.00025	0.0042
	October		0.00014	0.0017	0.071	0.0031	0.0093	0.0039	0.000072	0.76	0.017	2.8	0.0072	0.000078	0.00028	0.0047
	November		0.00012	0.0015	0.062	0.0027	0.0084	0.0034	0.000063	0.67	0.015	2.4	0.0064	0.000069	0.00025	0.0042
	December		0.00011	0.0014	0.055	0.0024	0.0077	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000060	0.00022	0.0037
	January		0.00011	0.0013	0.054	0.0023	0.0080	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000059	0.00022	0.0036
	February	**2035**	0.000099	0.0012	0.051	0.0022	0.0077	0.0028	0.000051	0.55	0.012	2.0	0.0052	0.000055	0.00020	0.0034
	March		0.000099	0.0012	0.051	0.0022	0.0081	0.0028	0.000051	0.55	0.012	2.0	0.0052	0.000055	0.00020	0.0034

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0097	0.32	0.082	0.0000041
	May		0.052	0.20	0.00060	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	June		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.38	0.095	0.0000048
	July		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000054
	August		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000081	0.016	0.54	0.14	0.0000069
	September		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000089	0.018	0.59	0.15	0.0000075
	October		0.089	0.34	0.0010	**0.000084**	2.0	2.6	0.00045	0.0017	0.00035	0.063	0.000090	0.018	0.60	0.15	0.0000077
	November		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.59	0.15	0.0000075
	December		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.58	0.15	0.0000074
	January	2036	0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.58	0.15	0.0000074
	February		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.58	0.15	0.0000074
	March		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	April		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.093	0.0000047
	May		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	June		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	July		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	August		0.11	0.40	0.0012	**0.00010**	2.3	3.1	0.00053	0.0020	0.00042	0.075	0.00011	0.022	0.72	0.18	0.0000092
	September		0.11	0.43	0.0013	**0.00011**	2.5	3.3	0.00057	0.0021	0.00045	0.081	0.00012	0.023	0.77	0.20	0.0000099
	October		0.10	0.40	0.0012	**0.000099**	2.3	3.1	0.00053	0.0020	0.00042	0.074	0.00011	0.022	0.71	0.18	0.0000091
	November		0.096	0.36	0.0011	**0.000091**	2.1	2.8	0.00048	0.0018	0.00038	0.068	0.000098	0.020	0.65	0.17	0.0000083
	December		0.091	0.34	0.0010	**0.000086**	2.0	2.7	0.00046	0.0017	0.00036	0.065	0.000093	0.019	0.62	0.16	0.0000079
	January	2037	0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00036	0.064	0.000092	0.018	0.61	0.16	0.0000078
	February		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.47	0.12	0.0000061
	March		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	April		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	May		0.077	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000066
	June		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	July		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	August		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000089	0.018	0.59	0.15	0.0000076
	September		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	October		0.089	0.34	0.0010	**0.000084**	2.0	2.6	0.00045	0.0017	0.00035	0.063	0.000091	0.018	0.60	0.15	0.0000077
	November		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.58	0.15	0.0000074
	December		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	January	2038	0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	February		0.077	0.29	0.00087	**0.000072**	1.7	2.2	0.00039	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000066
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	April		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.38	0.095	0.0000048
	May		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	June		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	July		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	August		0.099	0.37	0.0011	**0.000093**	2.2	2.9	0.00050	0.0019	0.00039	0.070	0.00010	0.020	0.67	0.17	0.0000086
	September		0.099	0.38	0.0011	**0.000094**	2.2	2.9	0.00050	0.0019	0.00039	0.070	0.00010	0.020	0.67	0.17	0.0000086
	October		0.083	0.32	0.00095	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000072
	November		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.56	0.14	0.0000071
	December		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.13	0.0000068
	January	2039	0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.13	0.0000068
	February		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	March		0.069	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	April		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	May		0.080	0.30	0.00091	**0.000075**	1.8	2.3	0.00040	0.0015	0.00031	0.056	0.000081	0.016	0.54	0.14	0.0000069
	June		0.10	0.38	0.0012	**0.000096**	2.2	2.9	0.00051	0.0019	0.00040	0.072	0.00010	0.021	0.69	0.17	0.0000088
	July		0.11	0.40	0.0012	**0.00010**	2.3	3.1	0.00053	0.0020	0.00042	0.075	0.00011	0.022	0.72	0.18	0.0000092
	August		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.56	0.14	0.0000071
	September		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000088	0.018	0.59	0.15	0.0000075
	October		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	November		0.075	0.28	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.053	0.000077	0.015	0.51	0.13	0.0000065
	December		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00029	0.051	0.000074	0.015	0.49	0.12	0.0000063
	January	2040	0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	February		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	March		0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	April		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	May		0.052	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000046
	June		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.000093	0.0012	0.047	0.0021	0.0075	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000051	0.00019	0.0032
	May		0.00010	0.0013	0.052	0.0023	0.0082	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000056	0.00021	0.0035
	June		0.00011	0.0014	0.055	0.0024	0.0081	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000059	0.00022	0.0037
	July		0.00012	0.0015	0.063	0.0027	0.0087	0.0034	0.000064	0.68	0.015	2.5	0.0064	0.000067	0.00025	0.0042
	August		0.00016	0.0019	0.079	0.0034	0.011	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000084	0.00032	0.0053
	September		0.00017	0.0021	0.087	0.0038	0.012	0.0047	0.000089	0.94	0.021	3.4	0.0089	0.000091	0.00035	0.0058
	October		0.00017	0.0022	0.089	0.0039	0.013	0.0048	0.000090	0.96	0.021	3.5	0.0090	0.000093	0.00036	0.0059
	November		0.00017	0.0021	0.087	0.0038	0.013	0.0047	0.000088	0.93	0.021	3.4	0.0088	0.000091	0.00035	0.0058
	December		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000086	0.92	0.020	3.3	0.0087	0.000089	0.00034	0.0057
	January	2036	0.00017	0.0021	0.085	0.0037	0.014	0.0046	0.000086	0.92	0.020	3.3	0.0086	0.000089	0.00034	0.0057
	February		0.00017	0.0021	0.085	0.0037	0.015	0.0046	0.000086	0.91	0.020	3.3	0.0086	0.000089	0.00034	0.0057
	March		0.00013	0.0016	0.066	0.0029	0.011	0.0036	0.000067	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0044
	April		0.00011	0.0013	0.054	0.0023	0.0083	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	May		0.00011	0.0014	0.057	0.0025	0.0087	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000060	0.00023	0.0038
	June		0.00014	0.0017	0.071	0.0031	0.011	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000073	0.00028	0.0047
	July		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000084	0.00032	0.0054
	August		0.00021	0.0026	0.11	0.0046	0.016	0.0058	0.00011	1.1	0.025	4.1	0.011	0.00011	0.00042	0.0071
	September		0.00022	0.0028	0.11	0.0049	0.017	0.0062	0.00012	1.2	0.027	4.4	0.012	0.00012	0.00046	0.0076
	October		0.00021	0.0026	0.10	0.0046	0.016	0.0057	0.00011	1.1	0.025	4.1	0.011	0.00011	0.00042	0.0070
	November		0.00019	0.0023	0.096	0.0042	0.015	0.0052	0.000098	1.0	0.023	3.7	0.0098	0.000099	0.00038	0.0064
	December		0.00018	0.0022	0.091	0.0040	0.015	0.0049	0.000093	0.98	0.022	3.6	0.0093	0.000094	0.00036	0.0061
	January	2037	0.00018	0.0022	0.090	0.0039	0.015	0.0049	0.000092	0.97	0.022	3.5	0.0092	0.000093	0.00036	0.0060
	February		0.00014	0.0017	0.070	0.0030	0.011	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	March		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000067	0.00026	0.0043
	April		0.00013	0.0016	0.064	0.0028	0.011	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	May		0.00015	0.0019	0.077	0.0033	0.013	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0051
	June		0.00014	0.0018	0.072	0.0031	0.011	0.0039	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	July		0.00013	0.0017	0.068	0.0029	0.0096	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000070	0.00027	0.0045
	August		0.00017	0.0021	0.087	0.0038	0.012	0.0047	0.000089	0.94	0.021	3.4	0.0089	0.000090	0.00035	0.0058
	September		0.00016	0.0020	0.083	0.0036	0.011	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
	October		0.00017	0.0022	0.089	0.0039	0.013	0.0048	0.000091	0.96	0.021	3.5	0.0091	0.000091	0.00036	0.0060
	November		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000086	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	December		0.00016	0.0020	0.081	0.0035	0.013	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	January	2038	0.00016	0.0020	0.081	0.0035	0.013	0.0044	0.000082	0.87	0.019	3.2	0.0082	0.000083	0.00032	0.0054
	February		0.00015	0.0019	0.077	0.0033	0.013	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0051
	March		0.00011	0.0014	0.058	0.0025	0.0091	0.0031	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	April		0.00011	0.0014	0.055	0.0024	0.0087	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000057	0.00022	0.0037
	May		0.00012	0.0015	0.060	0.0026	0.0094	0.0033	0.000061	0.65	0.014	2.4	0.0061	0.000062	0.00024	0.0040
	June		0.00014	0.0017	0.069	0.0030	0.011	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	July		0.00016	0.0020	0.080	0.0035	0.012	0.0043	0.000081	0.86	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	August		0.00019	0.0024	0.099	0.0043	0.015	0.0054	0.00010	1.1	0.024	3.9	0.010	0.00010	0.00040	0.0066
	September		0.00020	0.0024	0.099	0.0043	0.015	0.0054	0.00010	1.1	0.024	3.9	0.010	0.00010	0.00040	0.0067
	October		0.00016	0.0020	0.083	0.0036	0.012	0.0045	0.000085	0.90	0.020	3.3	0.0085	0.000085	0.00033	0.0056
	November		0.00016	0.0020	0.082	0.0036	0.012	0.0044	0.000083	0.88	0.020	3.2	0.0083	0.000084	0.00033	0.0055
	December		0.00015	0.0019	0.078	0.0034	0.012	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	January	2039	0.00015	0.0019	0.078	0.0034	0.013	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	February		0.00014	0.0018	0.073	0.0032	0.012	0.0040	0.000074	0.79	0.017	2.8	0.0074	0.000075	0.00029	0.0049
	March		0.00014	0.0017	0.069	0.0030	0.012	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046
	April		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	May		0.00016	0.0019	0.079	0.0035	0.013	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000081	0.00032	0.0053
	June		0.00020	0.0025	0.10	0.0044	0.017	0.0055	0.00010	1.1	0.024	3.9	0.010	0.00010	0.00041	0.0068
	July		0.00021	0.0026	0.11	0.0046	0.017	0.0058	0.00011	1.1	0.025	4.2	0.011	0.00011	0.00043	0.0071
	August		0.00016	0.0020	0.082	0.0035	0.012	0.0044	0.000083	0.88	0.020	3.2	0.0083	0.000084	0.00033	0.0055
	September		0.00017	0.0021	0.087	0.0038	0.013	0.0047	0.000088	0.94	0.021	3.4	0.0088	0.000089	0.00035	0.0058
	October		0.00016	0.0020	0.082	0.0036	0.012	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	November		0.00015	0.0018	0.075	0.0033	0.012	0.0041	0.000077	0.81	0.018	2.9	0.0077	0.000077	0.00030	0.0050
	December		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000074	0.78	0.017	2.8	0.0074	0.000074	0.00029	0.0048
	January	2040	0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	February		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	March		0.00010	0.0013	0.053	0.0023	0.0083	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	April		0.000098	0.0012	0.050	0.0022	0.0077	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	May		0.00010	0.0013	0.052	0.0023	0.0077	0.0028	0.000053	0.57	0.013	2.0	0.0053	0.000054	0.00021	0.0035
	June		0.00011	0.0014	0.055	0.0024	0.0076	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000057	0.00022	0.0037

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	July	2040	0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	August		0.077	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000066
	September		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	October		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	November		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	December		0.080	0.30	0.00092	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	January	2041	0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000067
	February		0.076	0.29	0.00086	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000077	0.016	0.51	0.13	0.0000066
	March		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	April		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000048
	May		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.080	0.30	0.00092	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	July		0.085	0.32	0.00097	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000087	0.018	0.58	0.15	0.0000074
	August		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	September		0.057	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.38	0.097	0.0000049
	October		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	November		0.059	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000060	0.012	0.40	0.10	0.0000051
	December		0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	January	2042	0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	February		0.057	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	March		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	April		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	May		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	June		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0100	0.33	0.083	0.0000042
	July		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.036	0.000051	0.010	0.34	0.086	0.0000043
	August		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	September		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.38	0.095	0.0000048
	October		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00093	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	November		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	December		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	January	2043	0.049	0.18	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	February		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	March		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	April		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.27	0.069	0.0000035
	May		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	June		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	July		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.092	0.0000046
	August		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	September		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	October		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0091	0.30	0.075	0.0000038
	November		0.042	0.16	0.00047	0.000039	0.92	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0086	0.28	0.072	0.0000036
	December		0.041	0.15	0.00046	0.000039	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	January	2044	0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.070	0.0000035
	February		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00076	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	March		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0081	0.27	0.067	0.0000034
	April		0.040	0.15	0.00045	0.000037	0.87	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	May		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	June		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	July		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000066	0.013	0.44	0.11	0.0000056
	August		0.088	0.34	0.0010	**0.000084**	1.9	2.6	0.00044	0.0017	0.00035	0.063	0.000090	0.018	0.60	0.15	0.0000077
	September		0.10	0.39	0.0012	**0.000097**	2.3	3.0	0.00051	0.0019	0.00041	0.073	0.00010	0.021	0.70	0.18	0.0000089
	October		0.11	0.41	0.0012	**0.00010**	2.4	3.2	0.00055	0.0020	0.00043	0.077	0.00011	0.022	0.74	0.19	0.0000094
	November		0.11	0.42	0.0013	**0.00010**	2.4	3.2	0.00055	0.0021	0.00043	0.078	0.00011	0.023	0.75	0.19	0.0000095
	December		0.10	0.38	0.0012	**0.000096**	2.2	2.9	0.00051	0.0019	0.00040	0.072	0.00010	0.021	0.69	0.17	0.0000088
	January	2045	0.097	0.37	0.0011	**0.000092**	2.1	2.8	0.00049	0.0018	0.00039	0.069	0.000099	0.020	0.66	0.17	0.0000084
	February		0.095	0.36	0.0011	**0.000090**	2.1	2.8	0.00048	0.0018	0.00038	0.067	0.000097	0.019	0.64	0.16	0.0000082
	March		0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00035	0.064	0.000091	0.018	0.61	0.15	0.0000078
	April		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	May		0.078	0.29	0.00088	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	June		0.078	0.29	0.00088	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	July		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	August		0.094	0.36	0.0011	**0.000089**	2.1	2.7	0.00047	0.0018	0.00037	0.067	0.000096	0.019	0.64	0.16	0.0000082
	September		0.11	0.41	0.0012	**0.00010**	2.4	3.2	0.00055	0.0020	0.00043	0.077	0.00011	0.022	0.74	0.19	0.0000094

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.00011	0.0014	0.055	0.0024	0.0069	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000057	0.00022	0.0037
	August		0.00015	0.0019	0.077	0.0033	0.010	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000078	0.00031	0.0051
	September	**2040**	0.00016	0.0020	0.081	0.0035	0.011	0.0044	0.000082	0.87	0.019	3.2	0.0082	0.000083	0.00032	0.0054
	October		0.00016	0.0020	0.081	0.0035	0.011	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0055
	November		0.00016	0.0020	0.083	0.0036	0.012	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
	December		0.00016	0.0020	0.080	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	January		0.00015	0.0019	0.077	0.0033	0.012	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0051
	February		0.00015	0.0019	0.076	0.0033	0.013	0.0041	0.000077	0.82	0.018	3.0	0.0077	0.000078	0.00030	0.0051
	March		0.00014	0.0017	0.069	0.0030	0.012	0.0038	0.000070	0.75	0.017	2.7	0.0070	0.000071	0.00028	0.0046
	April		0.00011	0.0014	0.056	0.0024	0.0088	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	May		0.00013	0.0016	0.065	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June	**2041**	0.00016	0.0020	0.080	0.0035	0.013	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	July		0.00017	0.0021	0.085	0.0037	0.013	0.0046	0.000087	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	August		0.00011	0.0014	0.058	0.0025	0.0075	0.0032	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	September		0.00011	0.0014	0.056	0.0025	0.0070	0.0031	0.000058	0.61	0.013	2.2	0.0058	0.000058	0.00023	0.0038
	October		0.00012	0.0015	0.061	0.0026	0.0079	0.0033	0.000062	0.66	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	November		0.00012	0.0014	0.058	0.0025	0.0080	0.0032	0.000060	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
	December		0.00011	0.0014	0.057	0.0025	0.0084	0.0031	0.000058	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0038
	January		0.00011	0.0014	0.057	0.0025	0.0090	0.0031	0.000058	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0038
	February		0.00011	0.0014	0.057	0.0025	0.0094	0.0031	0.000059	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0039
	March		0.00010	0.0013	0.053	0.0023	0.0088	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	April		0.000088	0.0011	0.045	0.0019	0.0068	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	May		0.000093	0.0012	0.048	0.0021	0.0071	0.0026	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	June	**2042**	0.000095	0.0012	0.048	0.0021	0.0066	0.0026	0.000049	0.52	0.012	1.9	0.0049	0.000049	0.00019	0.0032
	July		0.000098	0.0012	0.050	0.0022	0.0061	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0034
	August		0.00010	0.0013	0.053	0.0023	0.0061	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	September		0.00011	0.0014	0.055	0.0024	0.0065	0.0030	0.000056	0.60	0.013	2.2	0.0056	0.000057	0.00022	0.0037
	October		0.000097	0.0012	0.049	0.0021	0.0057	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000096	0.0012	0.049	0.0021	0.0062	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	December		0.000096	0.0012	0.049	0.0021	0.0068	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	January		0.000096	0.0012	0.049	0.0021	0.0073	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
Operations	**February**		0.000096	0.0012	0.049	0.0021	0.0077	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	March		0.000095	0.0012	0.048	0.0021	0.0079	0.0026	0.000049	0.52	0.012	1.9	0.0049	0.000049	0.00019	0.0032
	April		0.000079	0.00099	0.040	0.0017	0.0059	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000089	0.0011	0.045	0.0020	0.0065	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	June	**2043**	0.000093	0.0012	0.047	0.0020	0.0062	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	July		0.00011	0.0013	0.054	0.0023	0.0067	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00021	0.0036
	August		0.00010	0.0013	0.053	0.0023	0.0062	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	September		0.000096	0.0012	0.049	0.0021	0.0055	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	October		0.000086	0.0011	0.044	0.0019	0.0049	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	November		0.000082	0.0010	0.042	0.0018	0.0050	0.0023	0.000042	0.45	0.0099	1.6	0.0042	0.000043	0.00017	0.0028
	December		0.000080	0.00100	0.041	0.0018	0.0053	0.0022	0.000041	0.44	0.0097	1.6	0.0042	0.000042	0.00016	0.0027
	January		0.000079	0.00099	0.040	0.0018	0.0057	0.0022	0.000041	0.44	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	February		0.000079	0.00098	0.040	0.0017	0.0060	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	March		0.000077	0.00096	0.039	0.0017	0.0061	0.0021	0.000040	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	April		0.000078	0.00097	0.039	0.0017	0.0058	0.0021	0.000040	0.43	0.0094	1.5	0.0040	0.000040	0.00016	0.0026
	May		0.000093	0.0012	0.047	0.0021	0.0068	0.0026	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	June		0.00012	0.0014	0.059	0.0026	0.0084	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000061	0.00024	0.0040
	July	**2044**	0.00013	0.0016	0.064	0.0028	0.0086	0.0035	0.000066	0.69	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	August		0.00017	0.0022	0.088	0.0038	0.012	0.0048	0.000090	0.96	0.021	3.5	0.0090	0.000091	0.00035	0.0059
	September		0.00020	0.0025	0.10	0.0044	0.014	0.0056	0.00010	1.1	0.024	4.0	0.010	0.00010	0.00041	0.0069
	October		0.00021	0.0027	0.11	0.0047	0.016	0.0059	0.00011	1.2	0.026	4.2	0.011	0.00011	0.00044	0.0073
	November		0.00022	0.0027	0.11	0.0048	0.017	0.0060	0.00011	1.2	0.026	4.3	0.011	0.00011	0.00044	0.0074
	December		0.00020	0.0025	0.10	0.0044	0.016	0.0055	0.00010	1.1	0.024	4.0	0.010	0.00010	0.00041	0.0068
	January		0.00019	0.0024	0.097	0.0042	0.016	0.0053	0.000099	1.0	0.023	3.8	0.0099	0.000100	0.00039	0.0065
	February		0.00019	0.0023	0.095	0.0041	0.016	0.0052	0.000097	1.0	0.023	3.7	0.0097	0.000097	0.00038	0.0064
	March		0.00018	0.0022	0.090	0.0039	0.015	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	April		0.00016	0.0020	0.081	0.0035	0.014	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	May	**2045**	0.00015	0.0019	0.077	0.0034	0.013	0.0042	0.000079	0.84	0.019	3.0	0.0079	0.000079	0.00031	0.0052
	June		0.00015	0.0019	0.077	0.0034	0.012	0.0042	0.000079	0.84	0.018	3.0	0.0079	0.000079	0.00031	0.0052
	July		0.00016	0.0020	0.082	0.0036	0.012	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	August		0.00019	0.0023	0.094	0.0041	0.014	0.0051	0.000096	1.0	0.022	3.7	0.0096	0.000096	0.00038	0.0063
	September		0.00021	0.0027	0.11	0.0047	0.016	0.0059	0.00011	1.2	0.026	4.2	0.011	0.00011	0.00043	0.0073

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	October	2045	0.12	0.44	0.0013	**0.00011**	2.5	3.3	0.00058	0.0022	0.00046	0.082	0.00012	0.024	0.78	0.20	0.0000100
	November		0.11	0.43	0.0013	**0.00011**	2.5	3.3	0.00058	0.0022	0.00045	0.081	0.00012	0.024	0.78	0.20	0.0000100
	December		0.11	0.42	0.0013	**0.00010**	2.4	3.2	0.00055	0.0021	0.00044	0.078	0.00011	0.023	0.75	0.19	0.0000095
	January	2046	0.094	0.36	0.0011	**0.000089**	2.1	2.7	0.00047	0.0018	0.00037	0.067	0.000096	0.019	0.64	0.16	0.0000081
	February		0.089	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00035	0.063	0.000091	0.018	0.61	0.15	0.0000078
	March		0.083	0.32	0.00095	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000072
	April		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000082	0.016	0.55	0.14	0.0000070
	May		0.078	0.29	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000068
	June		0.077	0.29	0.00088	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	July		0.075	0.28	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.053	0.000077	0.015	0.51	0.13	0.0000065
	August		0.074	0.28	0.00084	**0.000070**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	September		0.070	0.27	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000072	0.014	0.48	0.12	0.0000061
	October		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	November		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00032	0.0012	0.00025	0.044	0.000064	0.013	0.43	0.11	0.0000054
	December		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	January	2047	0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.41	0.11	0.0000053
	February		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	March		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	April		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.33	0.085	0.0000043
	May		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.037	0.000053	0.011	0.35	0.089	0.0000045
	June		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	July		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	August		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	September		0.074	0.28	0.00084	**0.000070**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	October		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.54	0.14	0.0000070
	November		0.079	0.30	0.00090	**0.000074**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.14	0.0000068
	December		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000066
	January	2048	0.074	0.28	0.00084	**0.000070**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	February		0.071	0.27	0.00081	**0.000068**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.48	0.12	0.0000062
	March		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	April		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	May		0.065	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000067	0.013	0.44	0.11	0.0000057
	June		0.078	0.29	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	July		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	August		0.057	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.38	0.097	0.0000049
	September		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	October		0.054	0.20	0.00062	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	November		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.089	0.0000045
	December		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	January	2049	0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	February		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000048	0.0096	0.32	0.080	0.0000040
	March		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	April		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	May		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0098	0.32	0.082	0.0000041
	June		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	July		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	August		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	September		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000052	0.011	0.34	0.087	0.0000044
	October		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0097	0.32	0.080	0.0000040
	November		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.030	0.000044	0.0089	0.29	0.074	0.0000037
	December		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.031	0.000044	0.0090	0.29	0.074	0.0000037
	January	2050	0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.031	0.000044	0.0089	0.29	0.074	0.0000037
	February		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.031	0.000044	0.0089	0.29	0.074	0.0000037
	March		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00076	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	April		0.037	0.14	0.00042	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.026	0.000038	0.0077	0.25	0.064	0.0000032
	May		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00074	0.00015	0.028	0.000040	0.0081	0.27	0.067	0.0000034
	June		0.043	0.16	0.00049	0.000041	0.95	1.2	0.00022	0.00081	0.00017	0.030	0.000044	0.0089	0.29	0.074	0.0000037
	July		0.061	0.23	0.00069	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	August		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	September		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	October		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	November		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000061
	December		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	October	2045	0.00023	0.0028	0.12	0.0050	0.018	0.0063	0.00012	1.2	0.027	4.5	0.012	0.00012	0.00046	0.0077
	November		0.00023	0.0028	0.11	0.0050	0.018	0.0062	0.00012	1.2	0.027	4.5	0.012	0.00012	0.00046	0.0077
	December		0.00022	0.0027	0.11	0.0048	0.018	0.0060	0.00011	1.2	0.026	4.3	0.011	0.00011	0.00044	0.0074
	January	2046	0.00018	0.0023	0.094	0.0041	0.016	0.0051	0.000096	1.0	0.022	3.7	0.0096	0.000096	0.00038	0.0063
	February		0.00018	0.0022	0.089	0.0039	0.015	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	March		0.00016	0.0020	0.083	0.0036	0.014	0.0045	0.000085	0.90	0.020	3.2	0.0085	0.000085	0.00033	0.0056
	April		0.00016	0.0020	0.081	0.0035	0.014	0.0044	0.000082	0.87	0.019	3.2	0.0082	0.000083	0.00032	0.0054
	May		0.00015	0.0019	0.078	0.0034	0.013	0.0042	0.000079	0.84	0.019	3.0	0.0079	0.000080	0.00031	0.0052
	June		0.00015	0.0019	0.077	0.0034	0.012	0.0042	0.000079	0.84	0.018	3.0	0.0079	0.000079	0.00031	0.0052
	July		0.00015	0.0018	0.075	0.0033	0.011	0.0041	0.000077	0.81	0.018	2.9	0.0077	0.000077	0.00030	0.0050
	August		0.00014	0.0018	0.073	0.0032	0.010	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	September		0.00014	0.0017	0.070	0.0031	0.0097	0.0038	0.000072	0.76	0.017	2.7	0.0072	0.000072	0.00028	0.0047
	October		0.00013	0.0016	0.065	0.0028	0.0090	0.0035	0.000066	0.70	0.016	2.5	0.0067	0.000067	0.00026	0.0044
	November		0.00012	0.0015	0.063	0.0027	0.0089	0.0034	0.000064	0.68	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	December		0.00012	0.0015	0.062	0.0027	0.0093	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	January	2047	0.00012	0.0015	0.061	0.0027	0.0097	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00024	0.0041
	February		0.00012	0.0015	0.061	0.0026	0.010	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000062	0.00024	0.0041
	March		0.00010	0.0013	0.052	0.0023	0.0083	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	April		0.000097	0.0012	0.049	0.0021	0.0077	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	May		0.00010	0.0013	0.052	0.0022	0.0078	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	June		0.00012	0.0015	0.062	0.0027	0.0089	0.0033	0.000063	0.66	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	July		0.00013	0.0016	0.066	0.0029	0.0091	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	August		0.00013	0.0016	0.066	0.0029	0.0086	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0044
	September		0.00014	0.0018	0.074	0.0032	0.0097	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	October		0.00016	0.0020	0.080	0.0035	0.011	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	November		0.00015	0.0019	0.079	0.0034	0.011	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00031	0.0053
	December		0.00015	0.0019	0.076	0.0033	0.012	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000078	0.00031	0.0051
	January	2048	0.00014	0.0018	0.074	0.0032	0.012	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	February		0.00014	0.0017	0.071	0.0031	0.012	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	March		0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	April		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	May		0.00013	0.0016	0.065	0.0028	0.011	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	June		0.00015	0.0019	0.078	0.0034	0.013	0.0042	0.000079	0.84	0.019	3.0	0.0079	0.000080	0.00031	0.0052
	July		0.00013	0.0016	0.067	0.0029	0.0098	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	August		0.00011	0.0014	0.056	0.0025	0.0073	0.0031	0.000058	0.61	0.013	2.2	0.0058	0.000058	0.00023	0.0038
	September		0.00011	0.0013	0.054	0.0023	0.0067	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	October		0.00011	0.0013	0.054	0.0023	0.0069	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	November		0.00010	0.0013	0.051	0.0022	0.0069	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	December		0.000094	0.0012	0.048	0.0021	0.0067	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	January	2049	0.000092	0.0011	0.047	0.0020	0.0069	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	February		0.000092	0.0011	0.047	0.0020	0.0073	0.0025	0.000048	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	March		0.000089	0.0011	0.045	0.0020	0.0072	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	April		0.000087	0.0011	0.044	0.0019	0.0069	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	May		0.000094	0.0012	0.048	0.0021	0.0071	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	June		0.000099	0.0012	0.050	0.0022	0.0069	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	July		0.000097	0.0012	0.049	0.0021	0.0061	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	August		0.00010	0.0013	0.053	0.0023	0.0062	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	September		0.000100	0.0012	0.051	0.0022	0.0058	0.0027	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	October		0.000092	0.0011	0.047	0.0020	0.0053	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	November		0.000084	0.0011	0.043	0.0019	0.0051	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	December		0.000085	0.0011	0.043	0.0019	0.0057	0.0023	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	January	2050	0.000085	0.0011	0.043	0.0019	0.0062	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	February		0.000085	0.0011	0.043	0.0019	0.0066	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	March		0.000079	0.00098	0.040	0.0017	0.0061	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	April		0.000073	0.00091	0.037	0.0016	0.0052	0.0020	0.000038	0.40	0.0088	1.4	0.0038	0.000038	0.00015	0.0025
	May		0.000077	0.00096	0.039	0.0017	0.0054	0.0021	0.000040	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	June		0.000084	0.0011	0.043	0.0019	0.0055	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	July		0.00012	0.0015	0.061	0.0026	0.0081	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000062	0.00024	0.0041
	August		0.00014	0.0018	0.073	0.0032	0.0097	0.0040	0.000074	0.79	0.017	2.8	0.0074	0.000075	0.00029	0.0049
	September		0.00014	0.0017	0.070	0.0030	0.0092	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	October		0.00014	0.0017	0.071	0.0031	0.0096	0.0038	0.000072	0.77	0.017	2.8	0.0072	0.000073	0.00028	0.0047
	November		0.00014	0.0017	0.070	0.0030	0.0100	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	December		0.00014	0.0017	0.069	0.0030	0.011	0.0038	0.000070	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum mg/L	Ammonia (Total) mg/L as N	Arsenic mg/L	Cadmium mg/L	Calcium mg/L	Chloride mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lead-210 Bq/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2051	0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	February		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	March		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	April		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	May		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	June		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	July		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	August		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000048
	September		0.057	0.21	0.00065	**0.000054**	1.2	1.7	0.00029	0.0011	0.00022	0.040	0.000058	0.012	0.39	0.098	0.0000049
	October		0.057	0.21	0.00065	**0.000054**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.39	0.098	0.0000049
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	December		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.096	0.0000049
	January	2052	0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	February		0.052	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000045
	March		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	April		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	May		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	June		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000060	0.012	0.40	0.10	0.0000052
	July		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	August		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	September		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.14	0.0000068
	October		0.086	0.32	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000087	0.018	0.58	0.15	0.0000074
	November		0.088	0.33	0.00100	**0.000083**	1.9	2.5	0.00044	0.0016	0.00035	0.062	0.000089	0.018	0.59	0.15	0.0000076
	December		0.084	0.32	0.00096	**0.000080**	1.9	2.4	0.00042	0.0016	0.00033	0.060	0.000086	0.017	0.57	0.14	0.0000073
		MINIMUM	0.037	0.14	0.00042	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.026	0.000038	0.0077	0.25	0.064	0.0000032
		MAXIMUM	0.12	0.44	0.0015	**0.00011**	3.4	4.5	0.00062	0.0022	0.00054	0.11	0.00012	0.026	1.0	0.20	0.000014
		AVERAGE	0.071	0.27	0.00082	**0.000067**	1.6	2.1	0.00036	0.0013	0.00029	0.052	0.000073	0.015	0.49	0.12	0.0000063
Decommissioning	January	2053	0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	February		0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0014	0.00030	0.055	0.000078	0.016	0.52	0.13	0.0000067
	March		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00029	0.051	0.000073	0.015	0.49	0.12	0.0000063
	April		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	May		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	June		0.086	0.32	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000087	0.018	0.58	0.15	0.0000074
	July		0.11	0.40	0.0012	**0.000099**	2.3	3.1	0.00053	0.0020	0.00042	0.075	0.00011	0.022	0.71	0.18	0.0000091
	August		0.11	0.40	0.0012	**0.00010**	2.3	3.1	0.00054	0.0020	0.00042	0.076	0.00011	0.022	0.72	0.18	0.0000092
	September		0.079	0.30	0.00090	**0.000075**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.54	0.14	0.0000068
	October		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	November		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	December		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	January	2054	0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	February		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	March		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.012	0.41	0.11	0.0000053
	April		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	May		0.052	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000045
	June		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	July		0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000073
	August		0.074	0.28	0.00084	**0.000070**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	September		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000080	0.016	0.53	0.13	0.0000068
	October		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	November		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000077	0.016	0.52	0.13	0.0000066
	December		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	January	2055	0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	February		0.067	0.25	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	March		0.067	0.25	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	April		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	May		0.052	0.20	0.00060	0.000049	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000045
	June		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	July		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	August		0.057	0.21	0.00065	**0.000054**	1.2	1.7	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.39	0.098	0.0000049
	September		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	October		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	November		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	December		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.00014	0.0017	0.069	0.0030	0.011	0.0038	0.000070	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046
	February		0.00013	0.0017	0.068	0.0029	0.011	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	March		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	April		0.000083	0.0010	0.042	0.0018	0.0057	0.0023	0.000043	0.46	0.010	1.7	0.0043	0.000043	0.00017	0.0028
	May		0.000086	0.0011	0.044	0.0019	0.0057	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	June		0.00010	0.0013	0.053	0.0023	0.0068	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	July		0.00011	0.0014	0.058	0.0025	0.0072	0.0031	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	August		0.00011	0.0013	0.055	0.0024	0.0065	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	September		0.00011	0.0014	0.057	0.0025	0.0068	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	October		0.00011	0.0014	0.057	0.0025	0.0070	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	November		0.00011	0.0014	0.058	0.0025	0.0077	0.0032	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	December		0.00011	0.0014	0.056	0.0024	0.0078	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	January	**2052**	0.00010	0.0013	0.053	0.0023	0.0078	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	February		0.00010	0.0013	0.052	0.0023	0.0081	0.0028	0.000053	0.57	0.013	2.0	0.0053	0.000054	0.00021	0.0035
	March		0.00010	0.0013	0.051	0.0022	0.0082	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	April		0.000094	0.0012	0.048	0.0021	0.0072	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	May		0.000098	0.0012	0.050	0.0022	0.0071	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0033
	June		0.00012	0.0015	0.059	0.0026	0.0083	0.0032	0.000060	0.64	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	July		0.00012	0.0015	0.062	0.0027	0.0082	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	August		0.00013	0.0016	0.065	0.0028	0.0084	0.0035	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	September		0.00015	0.0019	0.078	0.0034	0.010	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	October		0.00017	0.0021	0.086	0.0037	0.012	0.0047	0.000087	0.93	0.020	3.3	0.0087	0.000088	0.00034	0.0057
	November		0.00017	0.0021	0.088	0.0038	0.013	0.0048	0.000089	0.95	0.021	3.4	0.0089	0.000090	0.00035	0.0059
	December		0.00017	0.0021	0.084	0.0037	0.013	0.0046	0.000086	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0056
		MINIMUM	0.000073	0.00091	0.037	0.0016	0.0049	0.0020	0.000038	0.40	0.0088	1.4	0.0038	0.000038	0.00015	0.0025
		MAXIMUM	0.00048	0.0028	0.13	0.0081	0.023	0.018	0.00014	1.4	0.033	5.2	0.014	0.0059	0.00053	0.0082
		AVERAGE	0.00015	0.0017	0.072	0.0032	0.011	0.0043	0.000074	0.78	0.017	2.8	0.0074	0.00031	0.00029	0.0048
Decommissioning	**January**	**2053**	0.00015	0.0019	0.077	0.0034	0.012	0.0042	0.000079	0.83	0.018	3.0	0.0079	0.000079	0.00031	0.0052
	February		0.00015	0.0019	0.077	0.0033	0.013	0.0042	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0052
	March		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	April		0.00012	0.0014	0.059	0.0026	0.0094	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000060	0.00024	0.0039
	May		0.00013	0.0016	0.066	0.0029	0.010	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000068	0.00026	0.0044
	June		0.00017	0.0021	0.086	0.0037	0.014	0.0047	0.000087	0.93	0.020	3.3	0.0087	0.000088	0.00034	0.0057
	July		0.00021	0.0026	0.11	0.0046	0.016	0.0057	0.00011	1.1	0.025	4.1	0.011	0.00011	0.00042	0.0070
	August		0.00021	0.0026	0.11	0.0046	0.016	0.0058	0.00011	1.2	0.025	4.2	0.011	0.00011	0.00043	0.0071
	September		0.00016	0.0019	0.079	0.0034	0.011	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00032	0.0053
	October		0.00014	0.0018	0.072	0.0031	0.010	0.0039	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	November		0.00013	0.0017	0.068	0.0030	0.0100	0.0037	0.000069	0.74	0.016	2.7	0.0070	0.000070	0.00027	0.0046
	December		0.00013	0.0016	0.067	0.0029	0.010	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	January	**2054**	0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	February		0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	March		0.00012	0.0015	0.061	0.0027	0.010	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00024	0.0041
	April		0.00010	0.0013	0.053	0.0023	0.0086	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	May		0.00010	0.0013	0.052	0.0023	0.0080	0.0028	0.000053	0.57	0.013	2.0	0.0053	0.000054	0.00021	0.0035
	June		0.00014	0.0017	0.070	0.0030	0.011	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	July		0.00016	0.0021	0.084	0.0036	0.012	0.0046	0.000085	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0056
	August		0.00015	0.0018	0.074	0.0032	0.010	0.0040	0.000075	0.80	0.018	2.9	0.0075	0.000076	0.00030	0.0049
	September		0.00015	0.0019	0.078	0.0034	0.011	0.0042	0.000080	0.84	0.019	3.1	0.0080	0.000080	0.00031	0.0052
	October		0.00016	0.0020	0.082	0.0035	0.012	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000084	0.00033	0.0055
	November		0.00015	0.0019	0.076	0.0033	0.011	0.0041	0.000077	0.82	0.018	3.0	0.0078	0.000078	0.00030	0.0051
	December		0.00014	0.0018	0.073	0.0032	0.011	0.0040	0.000074	0.79	0.017	2.8	0.0074	0.000075	0.00029	0.0049
	January	**2055**	0.00014	0.0017	0.071	0.0031	0.011	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000072	0.00028	0.0047
	February		0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.73	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	March		0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.73	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	April		0.00011	0.0013	0.054	0.0023	0.0084	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	May		0.00010	0.0013	0.052	0.0023	0.0078	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000054	0.00021	0.0035
	June		0.00011	0.0013	0.055	0.0024	0.0078	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	July		0.000093	0.0012	0.047	0.0021	0.0057	0.0026	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	August		0.00011	0.0014	0.057	0.0025	0.0068	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	September		0.00012	0.0015	0.062	0.0027	0.0076	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	October		0.00012	0.0016	0.063	0.0028	0.0081	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	November		0.00012	0.0015	0.062	0.0027	0.0083	0.0033	0.000063	0.66	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	December		0.00012	0.0015	0.060	0.0026	0.0087	0.0033	0.000061	0.65	0.014	2.4	0.0061	0.000062	0.00024	0.0040

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	January	2056	0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	February		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	March		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	April		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	May		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	June		0.075	0.28	0.00085	**0.000071**	1.6	2.2	0.00037	0.0014	0.00030	0.053	0.000076	0.015	0.51	0.13	0.0000065
	July		0.078	0.30	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.14	0.0000068
	August		0.079	0.30	0.00090	**0.000074**	1.7	2.3	0.00040	0.0015	0.00031	0.056	0.000080	0.016	0.53	0.14	0.0000068
	September		0.065	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000067	0.014	0.44	0.11	0.0000057
	October		0.070	0.27	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	November		0.075	0.28	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.053	0.000076	0.015	0.51	0.13	0.0000065
	December		0.076	0.29	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000077	0.016	0.51	0.13	0.0000066
	January	2057	0.076	0.29	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000077	0.016	0.51	0.13	0.0000066
	February		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00029	0.051	0.000074	0.015	0.49	0.12	0.0000063
	March		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	April		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	May		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	June		0.086	0.32	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000087	0.018	0.58	0.15	0.0000074
	July		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	August		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000070
	September		0.096	0.36	0.0011	**0.000090**	2.1	2.8	0.00048	0.0018	0.00038	0.068	0.000097	0.020	0.65	0.16	0.0000083
	October		0.11	0.42	0.0013	**0.00010**	2.4	3.2	0.00056	0.0021	0.00044	0.078	0.00011	0.023	0.75	0.19	0.0000096
	November		0.12	0.44	0.0013	**0.00011**	2.5	3.4	0.00058	0.0022	0.00046	0.082	0.00012	0.024	0.78	0.20	0.000010
	December		0.11	0.43	0.0013	**0.00011**	2.5	3.3	0.00057	0.0021	0.00045	0.081	0.00012	0.023	0.78	0.20	0.0000099
		MINIMUM	0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
		MAXIMUM	0.12	0.44	0.0013	**0.00011**	2.5	3.4	0.00058	0.0022	0.00046	0.082	0.00012	0.024	0.78	0.20	0.000010
		AVERAGE	0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00029	0.051	0.000073	0.015	0.49	0.12	0.0000063
Reclamation	January	2058	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2059	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2060	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.00012	0.0015	0.060	0.0026	0.0093	0.0033	0.000061	0.65	0.014	2.4	0.0061	0.000062	0.00024	0.0040
	February		0.00012	0.0015	0.060	0.0026	0.0098	0.0033	0.000061	0.65	0.014	2.4	0.0061	0.000062	0.00024	0.0040
	March		0.00011	0.0013	0.054	0.0023	0.0085	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	April		0.00011	0.0013	0.055	0.0024	0.0086	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	May		0.00012	0.0015	0.063	0.0027	0.0098	0.0034	0.000064	0.68	0.015	2.5	0.0064	0.000064	0.00025	0.0042
	June		0.00015	0.0018	0.075	0.0032	0.011	0.0041	0.000076	0.81	0.018	2.9	0.0076	0.000076	0.00030	0.0050
	July		0.00015	0.0019	0.078	0.0034	0.011	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000080	0.00031	0.0053
	August		0.00015	0.0019	0.079	0.0034	0.011	0.0043	0.000080	0.85	0.019	3.1	0.0080	0.000081	0.00031	0.0053
	September		0.00013	0.0016	0.065	0.0028	0.0087	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	October		0.00014	0.0017	0.070	0.0030	0.0096	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	November		0.00015	0.0018	0.075	0.0033	0.011	0.0041	0.000076	0.81	0.018	2.9	0.0077	0.000077	0.00030	0.0050
	December		0.00015	0.0018	0.076	0.0033	0.012	0.0041	0.000077	0.82	0.018	2.9	0.0077	0.000077	0.00030	0.0051
	January	**2057**	0.00015	0.0018	0.076	0.0033	0.012	0.0041	0.000077	0.82	0.018	2.9	0.0077	0.000077	0.00030	0.0051
	February		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000074	0.78	0.017	2.8	0.0074	0.000074	0.00029	0.0048
	March		0.00014	0.0018	0.072	0.0031	0.012	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	April		0.00011	0.0014	0.057	0.0025	0.0092	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	May		0.00014	0.0017	0.070	0.0030	0.011	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	June		0.00017	0.0021	0.086	0.0037	0.014	0.0047	0.000087	0.93	0.020	3.3	0.0087	0.000088	0.00034	0.0057
	July		0.00016	0.0020	0.083	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
	August		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0054
	September		0.00019	0.0023	0.096	0.0041	0.014	0.0052	0.000097	1.0	0.023	3.7	0.0097	0.000098	0.00038	0.0064
	October		0.00022	0.0027	0.11	0.0048	0.017	0.0060	0.00011	1.2	0.026	4.3	0.011	0.00011	0.00044	0.0074
	November		0.00023	0.0028	0.12	0.0050	0.018	0.0063	0.00012	1.2	0.028	4.5	0.012	0.00012	0.00046	0.0077
	December		0.00022	0.0028	0.11	0.0050	0.019	0.0062	0.00012	1.2	0.027	4.5	0.012	0.00012	0.00046	0.0076
		MINIMUM	0.000093	0.0012	0.047	0.0021	0.0057	0.0026	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
		MAXIMUM	0.00023	0.0028	0.12	0.0050	0.019	0.0063	0.00012	1.2	0.028	4.5	0.012	0.00012	0.00046	0.0077
		AVERAGE	0.00014	0.0018	0.072	0.0031	0.011	0.0039	0.000073	0.78	0.017	2.8	0.0074	0.000074	0.00029	0.0048
Reclamation	**January**	**2058**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2059**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2060**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	January	2061	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2062	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2063	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2064	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2065	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2066	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	January	2061	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2062	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2063	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2064	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2065	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2066	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2067**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Post-Closure	**January**	**≥2070**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-4: Scenario 5: Climate Change - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2067**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Post-Closure	**January**	**≥2070**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0036	0.021	0.000089	0.0000046	3.4	0.54	0.00019	0.000047	0.00012	0.081	0.000045	0.012	1.2	0.020	0.0000013
	April		0.0030	0.017	0.000073	0.0000038	2.8	0.44	0.00015	0.000039	0.000096	0.066	0.000037	0.0100	0.95	0.016	0.0000011
	May		0.0028	0.016	0.000068	0.0000035	2.6	0.41	0.00014	0.000036	0.000090	0.062	0.000034	0.0093	0.89	0.015	0.0000010
	June		0.0027	0.016	0.000067	0.0000035	2.5	0.41	0.00014	0.000035	0.000088	0.061	0.000033	0.0091	0.87	0.015	0.00000099
	July		0.0025	0.014	0.000061	0.0000032	2.3	0.37	0.00013	0.000032	0.000080	0.056	0.000031	0.0083	0.80	0.014	0.0000009
	August		0.0024	0.013	0.000058	0.0000030	2.2	0.35	0.00012	0.000031	0.000076	0.053	0.000029	0.0079	0.76	0.013	0.00000086
	September		0.0021	0.012	0.000052	0.0000027	2.0	0.31	0.00011	0.000028	0.000068	0.047	0.000026	0.0070	0.68	0.011	0.00000077
	October		0.0019	0.011	0.000048	0.0000025	1.8	0.29	0.00010	0.000025	0.000063	0.044	0.000024	0.0065	0.63	0.011	0.00000071
	November		0.0018	0.010	0.000045	0.0000023	1.7	0.27	0.000095	0.000024	0.000059	0.041	0.000023	0.0061	0.59	0.0100	0.00000066
	December		0.0018	0.010	0.000045	0.0000023	1.7	0.27	0.000093	0.000024	0.000058	0.040	0.000022	0.0060	0.58	0.0098	0.00000066
	January	**2026**	0.0018	0.010	0.000044	0.0000022	1.6	0.26	0.000091	0.000023	0.000057	0.040	0.000022	0.0058	0.57	0.0096	0.00000064
	February		0.0018	0.010	0.000044	0.0000022	1.6	0.26	0.000091	0.000023	0.000057	0.040	0.000022	0.0058	0.57	0.0096	0.00000064
	March		0.0012	2.0	0.000029	0.0000015	2.3	0.36	0.000061	0.000015	0.000038	0.026	0.000014	0.0082	0.79	0.0064	0.00000089
	April		0.000093	3.9	0.000025	0.00000035	3.1	0.96	0.0000048	0.0000015	0.0000034	0.0021	0.0000011	0.58	1.1	0.00054	0.0000045
	May		0.0000056	4.4	0.000020	0.00000021	3.3	0.95	0.0000003	0.00000033	0.00000054	0.00012	6.4E-08	0.51	1.2	0.000069	0.0000042
	June		0.0000016	3.3	0.000042	0.00000043	2.6	1.3	7.5E-08	0.00000051	0.0000008	0.000018	9.9E-09	1.1	1.0	0.000060	0.0000074
	July		0.00000093	3.4	0.000053	0.00000055	2.5	1.5	4.3E-08	0.00000056	0.00000099	0.0000023	1.1E-09	1.3	1.0	0.000060	0.0000090
	August		0.0000012	2.7	0.000088	0.00000092	2.0	2.1	5.3E-08	0.00000081	0.0000016	0.0000011	5.8E-10	2.2	0.97	0.000074	0.000014
	September		0.0000012	2.9	0.000062	0.00000064	2.1	1.8	4.4E-08	0.00000076	0.0000011	0.0000011	5.9E-10	1.5	0.90	0.000074	0.000011
	October		0.00000097	3.8	0.000033	0.00000034	2.5	1.3	3.4E-08	0.00000055	0.0000006	0.0000013	6.1E-10	0.81	0.96	0.000062	0.0000066
	November		0.00000043	5.3	0.000011	0.00000011	3.2	0.81	2.5E-08	0.00000022	0.0000002	0.0000016	6.0E-10	0.27	1.1	0.000038	0.0000031
	December		0.0000012	3.7	0.000061	0.00000064	2.5	1.8	4.6E-08	0.00000072	0.0000011	0.0000013	6.5E-10	1.5	1.1	0.000073	0.000010
	January	**2027**	0.00000059	7.4	0.000026	0.00000027	3.3	1.1	3.3E-08	0.00000034	0.00000049	0.0000017	6.5E-10	0.65	1.2	0.000047	0.0000053
	February		0.00000077	5.4	0.000038	0.00000039	3.1	1.3	3.7E-08	0.00000046	0.00000069	0.0000016	6.5E-10	0.93	1.2	0.000056	0.0000070
	March		0.00000077	5.3	0.000047	0.00000049	3.0	1.4	4.0E-08	0.00000049	0.00000086	0.0000015	6.5E-10	1.2	1.2	0.000056	0.0000082
	April		0.00000072	5.8	0.000034	0.00000036	3.1	1.3	3.5E-08	0.00000043	0.00000063	0.0000015	6.4E-10	0.85	1.2	0.000053	0.0000065
	May		0.00000076	5.7	0.000038	0.00000039	3.0	1.3	3.6E-08	0.00000046	0.00000069	0.0000015	6.4E-10	0.93	1.1	0.000055	0.0000069
	June		0.00000082	5.0	0.000049	0.00000051	2.7	1.5	4.0E-08	0.00000052	0.00000091	0.0000014	6.0E-10	1.2	1.1	0.000057	0.0000085
	July		0.0000010	4.1	0.000077	0.0000008	2.4	1.9	5.0E-08	0.00000071	0.0000014	0.0000012	6.0E-10	1.9	1.1	0.000068	0.000012
	August		0.0000011	3.7	0.000051	0.00000053	2.2	1.6	4.0E-08	0.00000069	0.00000094	0.0000012	6.0E-10	1.3	0.91	0.000070	0.0000091
	September		0.00000092	5.6	0.000030	0.00000031	2.6	1.3	3.3E-08	0.00000052	0.00000055	0.0000014	6.2E-10	0.74	0.99	0.000060	0.0000062
	October		0.00000078	5.3	0.000040	0.00000041	3.0	1.4	3.8E-08	0.00000047	0.00000074	0.0000015	6.5E-10	0.99	1.2	0.000056	0.0000073
	November		0.00000083	5.3	0.000041	0.00000043	3.0	1.4	3.8E-08	0.0000005	0.00000075	0.0000015	6.5E-10	1.0	1.1	0.000058	0.0000075
	December		0.00000058	8.1	0.000024	0.00000025	3.5	1.1	3.3E-08	0.00000033	0.00000045	0.0000017	6.8E-10	0.60	1.3	0.000048	0.0000051
	January	**2028**	0.00000024	14	0.0000053	5.1E-08	4.1	0.77	2.2E-08	0.00000011	9.5E-08	0.0000017	5.9E-10	0.15	1.4	0.000029	0.0000024
	February		0.00000015	13	0.00000081	4.9E-09	4.4	0.71	1.9E-08	5.3E-08	1.3E-08	0.0000016	5.4E-10	0.028	1.5	0.000024	0.0000018
	March		0.00000018	11	0.0000033	3.0E-08	4.3	1.1	2.2E-08	0.0000033	0.00000017	0.0000016	5.3E-10	0.071	1.5	0.000026	0.0000039
	April		0.0000004	7.7	0.000039	0.00000031	6.2	13	8.2E-08	0.000047	0.0000021	0.0000032	5.8E-10	0.68	2.5	0.000061	0.000051
	May		0.0000006	5.2	0.000044	0.00000033	10	29	0.00000018	0.00018	0.0000065	0.0000043	7.0E-10	0.41	5.7	0.00014	0.00013
	June		0.00000054	7.2	0.000041	0.00000032	9.6	25	0.00000016	0.00015	0.0000057	0.0000039	6.9E-10	0.41	5.4	0.00012	0.00012
	July		0.00000051	5.6	0.000062	0.00000047	12	36	0.00000022	0.00021	0.0000078	0.0000053	7.4E-10	0.66	6.8	0.00015	0.00016
	August		0.00000056	5.4	0.000058	0.00000048	14	41	0.00000026	0.00027	0.0000100	0.0000049	7.9E-10	0.53	8.6	0.00019	**0.00019**
	September		0.0000005	5.4	0.000058	0.00000047	13	39	0.00000024	0.00025	0.0000092	0.0000048	7.4E-10	0.58	8.4	0.00017	0.00018
	October		0.00000039	8.3	0.000035	0.00000032	11	29	0.00000018	0.00020	0.0000072	0.0000033	7.0E-10	0.34	7.3	0.00014	0.00014
	November		0.00000029	9.7	0.000024	0.00000019	8.5	19	0.00000011	0.00011	0.0000039	0.0000029	6.2E-10	0.26	4.7	0.000086	0.000087
	December		0.00000016	11	0.0000036	2.8E-08	5.2	4.7	3.1E-08	0.000014	0.00000051	0.0000017	5.4E-10	0.068	2.2	0.000031	0.000020
		MINIMUM	0.00000015	0.010	0.00000081	4.9E-09	1.6	0.26	1.9E-08	5.3E-08	1.3E-08	0.0000011	5.3E-10	0.0058	0.57	0.000024	0.00000064
		MAXIMUM	0.0038	14	0.000095	0.0000049	14	41	0.00020	0.00027	0.00012	0.086	0.000047	2.2	8.6	0.021	**0.00019**
		AVERAGE	0.00077	4.3	0.000045	0.0000012	4.1	5.7	0.000040	0.000040	0.000026	0.017	0.0000095	0.55	1.9	0.0043	0.000026
Operations	**January**	**2029**	0.097	6.2	0.034	0.0000061	426	51	0.00030	0.0033	0.0032	0.021	0.000061	0.14	61	0.012	0.0000099
	February		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000011
	March		0.10	4.9	0.035	0.0000065	456	69	0.00032	0.0035	0.0033	0.022	0.000063	0.37	70	0.012	0.000073
	April		0.089	4.4	0.031	0.0000059	456	72	0.00028	0.0031	0.0029	0.020	0.000056	0.50	65	0.011	0.00011
	May		0.10	5.0	0.035	0.0000065	457	74	0.00031	0.0035	0.0033	0.022	0.000063	0.36	72	0.012	0.000098
	June		0.095	4.7	0.033	0.0000062	457	74	0.00030	0.0033	0.0031	0.021	0.000060	0.44	70	0.011	0.000099
	July		0.10	4.9	0.035	0.0000065	457	76	0.00031	0.0035	0.0033	0.022	0.000063	0.46	73	0.012	0.000094
	August		0.092	4.6	0.032	0.0000060	457	75	0.00029	0.0032	0.0030	0.020	0.000057	0.46	68	0.011	0.00011
	September		0.090	4.5	0.031	0.0000059	456	74	0.00028	0.0032	0.0029	0.020	0.000056	0.49	66	0.011	0.00011
	October		0.11	5.2	0.037	0.0000069	456	76	0.00033	0.0037	0.0035	0.023	0.000067	0.34	78	0.013	0.000080
	November		0.11	5.2	0.037	0.0000068	456	70	0.00034	0.0037	0.0035	0.023	0.000067	0.27	78	0.013	0.000043
	December		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000010

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.000053	0.000073	0.090	0.0075	0.0043	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000050	0.000069	0.085	0.0071	0.0062	0.0041	0.000045	1.3	0.028	1.4	0.0045	0.000048	0.00014	0.00075
	April		0.000041	0.000056	0.069	0.0058	0.0059	0.0034	0.000037	1.1	0.023	1.1	0.0037	0.000039	0.00012	0.00062
	May		0.000038	0.000053	0.065	0.0054	0.0061	0.0031	0.000034	1.00	0.022	1.1	0.0035	0.000037	0.00011	0.00058
	June		0.000038	0.000052	0.064	0.0053	0.0064	0.0031	0.000033	0.98	0.021	1.0	0.0034	0.000036	0.00011	0.00057
	July		0.000034	0.000047	0.058	0.0049	0.0063	0.0028	0.000031	0.89	0.019	0.94	0.0031	0.000033	0.000097	0.00052
	August		0.000033	0.000045	0.055	0.0046	0.0063	0.0027	0.000029	0.85	0.018	0.89	0.0029	0.000031	0.000092	0.00049
	September		0.000029	0.000040	0.049	0.0041	0.0059	0.0024	0.000026	0.76	0.017	0.80	0.0026	0.000028	0.000083	0.00044
	October		0.000027	0.000037	0.046	0.0038	0.0056	0.0022	0.000024	0.70	0.015	0.74	0.0024	0.000026	0.000076	0.00040
	November		0.000025	0.000035	0.043	0.0036	0.0054	0.0021	0.000023	0.66	0.014	0.69	0.0023	0.000024	0.000072	0.00038
	December		0.000025	0.000034	0.042	0.0035	0.0054	0.0020	0.000022	0.65	0.014	0.68	0.0023	0.000024	0.000071	0.00038
	January	**2026**	0.000024	0.000033	0.041	0.0035	0.0054	0.0020	0.000022	0.64	0.014	0.67	0.0022	0.000023	0.000069	0.00037
	February		0.000024	0.000033	0.041	0.0035	0.0055	0.0020	0.000022	0.64	0.014	0.67	0.0022	0.000023	0.000069	0.00037
	March		0.000016	0.000022	2.4	0.0048	0.0050	0.0013	0.000015	0.88	0.019	0.93	0.0031	0.000016	0.000046	0.00025
	April		0.0091	0.0000019	4.6	**0.011**	0.63	0.00052	0.0000025	6.4	0.031	4.9	0.0072	0.00013	0.0000037	0.000021
	May		0.0080	0.00000029	5.1	**0.011**	0.55	0.00037	0.0000013	5.8	0.031	4.5	0.0071	0.00011	0.00000022	0.0000031
	June		0.017	0.00000036	3.8	**0.014**	1.2	0.00077	0.0000022	11	0.031	7.9	0.0092	0.00023	6.1E-08	0.0000034
	July		0.021	0.00000038	3.9	**0.016**	1.5	0.00097	0.0000027	13	0.032	9.6	0.010	0.00029	3.9E-08	0.0000037
	August		0.036	0.00000052	3.0	**0.023**	2.4	0.0016	0.0000042	21	0.035	15	0.014	0.00049	5.3E-08	0.0000052
	September		0.025	0.00000053	3.3	**0.017**	1.7	0.0011	0.0000030	15	0.031	11	0.011	0.00034	4.2E-08	0.0000045
	October		0.013	0.00000041	4.4	**0.012**	0.87	0.00059	0.0000018	8.4	0.028	6.5	0.0083	0.00018	2.8E-08	0.0000033
	November		0.0042	0.00000017	6.2	0.0089	0.29	0.00020	0.0000008	3.7	0.029	3.1	0.0059	0.000058	1.7E-08	0.0000017
	December		0.025	0.0000005	4.3	**0.018**	1.6	0.0011	0.0000031	15	0.034	11	0.012	0.00033	4.2E-08	0.0000045
	January	**2027**	0.010	0.00000024	8.6	**0.012**	0.70	0.00047	0.0000015	7.3	0.033	5.6	0.0080	0.00014	2.6E-08	0.0000025
	February		0.015	0.00000032	6.2	**0.014**	0.99	0.00068	0.0000020	9.8	0.034	7.4	0.0092	0.00020	3.1E-08	0.0000032
	March		0.019	0.00000033	6.2	**0.016**	1.2	0.00084	0.0000024	12	0.035	8.8	0.010	0.00025	3.5E-08	0.0000034
	April		0.014	0.0000003	6.7	**0.014**	0.91	0.00062	0.0000019	9.0	0.033	6.8	0.0087	0.00019	2.9E-08	0.0000030
	May		0.015	0.00000032	6.7	**0.014**	1.0	0.00068	0.0000020	9.7	0.033	7.3	0.0090	0.00020	3.1E-08	0.0000031
	June		0.020	0.00000035	5.7	**0.016**	1.3	0.00089	0.0000025	12	0.033	9.1	0.010	0.00027	3.6E-08	0.0000035
	July		0.031	0.00000045	4.7	**0.021**	2.1	0.0014	0.0000037	19	0.036	13	0.013	0.00042	4.9E-08	0.0000047
	August		0.020	0.00000049	4.2	**0.015**	1.4	0.00092	0.0000026	13	0.030	9.4	0.010	0.00028	3.7E-08	0.0000041
	September		0.012	0.00000039	6.5	**0.012**	0.80	0.00054	0.0000017	7.8	0.029	6.1	0.0081	0.00016	2.7E-08	0.0000031
	October		0.016	0.00000033	6.1	**0.015**	1.1	0.00072	0.0000021	10	0.034	7.7	0.0094	0.00022	3.2E-08	0.0000032
	November		0.016	0.00000035	6.2	**0.015**	1.1	0.00073	0.0000022	10	0.034	7.9	0.0095	0.00022	3.3E-08	0.0000033
	December		0.0096	0.00000024	9.5	**0.012**	0.64	0.00044	0.0000014	6.9	0.034	5.4	0.0079	0.00013	2.5E-08	0.0000025
	January	**2028**	0.0018	8.7E-08	16	0.0097	0.15	0.000089	0.00000054	2.8	0.035	2.5	0.0062	0.000025	1.4E-08	0.0000012
	February		0.000068	5.0E-08	15	0.0093	0.019	0.0000089	0.00000032	1.8	0.037	1.9	0.0059	0.0000012	1.1E-08	0.00000091
	March		0.00088	0.00000099	13	0.0098	0.064	0.000050	0.00000096	2.1	0.036	3.0	0.0068	0.000022	1.4E-08	0.0000022
	April		0.0096	0.000013	9.0	**0.029**	0.73	0.00056	0.000010	7.5	0.055	24	0.033	0.00037	8.0E-08	0.000024
	May		0.0046	0.000050	6.0	**0.048**	0.42	0.00052	0.000032	4.7	0.090	64	0.070	0.00063	0.00000016	0.000070
	June		0.0051	0.000044	8.4	**0.044**	0.42	0.00050	0.000028	4.9	0.086	59	0.063	0.00056	0.00000014	0.000061
	July		0.0085	0.000059	6.5	**0.061**	0.69	0.00077	0.000038	7.1	0.11	79	0.087	0.00083	0.0000002	0.000084
	August		0.0060	0.000078	6.3	**0.067**	0.54	0.00070	0.000049	5.9	0.13	98	0.098	0.00087	0.00000022	0.00010
	September		0.0069	0.000071	6.3	**0.065**	0.59	0.00071	0.000045	6.4	0.12	96	0.095	0.00084	0.0000002	0.000096
	October		0.0034	0.000056	9.7	**0.050**	0.33	0.00043	0.000035	4.3	0.11	77	0.072	0.00055	0.00000014	0.000073
	November		0.0026	0.000030	11	**0.035**	0.26	0.00029	0.000019	3.7	0.076	46	0.048	0.00035	9.1E-08	0.000041
	December		0.00033	0.0000039	13	**0.015**	0.060	0.000042	0.0000027	2.1	0.045	11	0.015	0.000045	2.1E-08	0.0000061
		MINIMUM	0.000016	5.0E-08	0.041	0.0035	0.0043	0.0000089	0.00000032	0.64	0.014	0.67	0.0022	0.0000012	1.1E-08	0.00000091
		MAXIMUM	0.036	0.000078	16	**0.067**	2.4	0.0043	0.000049	21	0.13	98	0.098	0.00087	0.00015	0.00080
		AVERAGE	0.0085	0.000023	5.0	**0.017**	0.59	0.0013	0.000016	6.1	0.040	16	0.018	0.00022	0.000030	0.00017
Operations	**January**	**2029**	0.0036	0.0085	7.3	**0.017**	0.13	0.11	0.00049	827	0.30	**2709**	0.83	0.011	0.0016	0.0015
	February		0.0041	0.0094	6.2	**0.019**	0.16	0.13	0.00054	885	0.36	**2900**	1.0	0.012	0.0018	0.0016
	March		0.0065	0.0089	5.8	**0.038**	0.37	0.12	0.00052	885	0.36	**2900**	0.95	0.012	0.0017	0.0016
	April		0.0080	0.0078	5.2	**0.048**	0.52	0.11	0.00047	885	0.35	**2901**	0.89	0.011	0.0015	0.0014
	May		0.0063	0.0088	5.8	**0.044**	0.36	0.12	0.00053	887	0.38	**2905**	0.97	0.012	0.0017	0.0016
	June		0.0072	0.0084	5.5	**0.046**	0.45	0.11	0.00050	886	0.37	**2904**	0.95	0.012	0.0016	0.0015
	July		0.0077	0.0088	5.8	**0.045**	0.47	0.12	0.00052	887	0.38	**2906**	0.99	0.012	0.0017	0.0016
	August		0.0073	0.0081	5.3	**0.050**	0.47	0.11	0.00049	887	0.36	**2905**	0.92	0.011	0.0015	0.0015
	September		0.0076	0.0079	5.3	**0.050**	0.50	0.11	0.00048	885	0.35	**2900**	0.90	0.011	0.0015	0.0014
	October		0.0062	0.0094	6.1	**0.039**	0.34	0.13	0.00056	886	0.39	**2902**	1.0	0.013	0.0018	0.0017
	November		0.0053	0.0094	6.2	**0.029**	0.27	0.13	0.00055	885	0.38	**2900**	1.1	0.013	0.0018	0.0017
	December		0.0040	0.0094	6.2	**0.018**	0.16	0.13	0.00054	885	0.35	**2900**	1.0	0.012	0.0018	0.0016

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2030	0.11	4.8	0.039	0.0000072	456	55	0.00036	0.0039	0.0037	0.025	0.000072	0.15	66	0.014	0.000013
	February		0.11	4.7	0.039	0.0000072	456	55	0.00035	0.0038	0.0036	0.025	0.000070	0.29	62	0.013	0.000029
	March		0.10	4.2	0.035	0.0000066	456	63	0.00032	0.0035	0.0033	0.022	0.000064	0.32	60	0.012	0.000084
	April		0.11	4.4	0.036	0.0000068	457	63	0.00033	0.0037	0.0034	0.023	0.000066	0.28	61	0.013	0.000081
	May		0.10	4.3	0.035	0.0000067	457	63	0.00032	0.0035	0.0033	0.022	0.000064	0.43	60	0.012	0.000078
	June		0.093	3.9	0.032	0.0000061	457	65	0.00029	0.0033	0.0030	0.020	0.000058	0.50	55	0.011	0.00011
	July		0.093	3.8	0.032	0.0000062	457	68	0.00029	0.0033	0.0030	0.020	0.000058	0.54	55	0.011	0.00013
	August		0.094	3.9	0.032	0.0000062	457	67	0.00029	0.0033	0.0031	0.021	0.000059	0.48	56	0.011	0.00013
	September		0.096	4.0	0.033	0.0000063	457	67	0.00030	0.0034	0.0031	0.021	0.000060	0.43	57	0.012	0.00012
	October		0.096	4.1	0.033	0.0000063	456	64	0.00030	0.0034	0.0031	0.021	0.000060	0.40	58	0.012	0.00010
	November		0.11	4.7	0.039	0.0000073	456	63	0.00035	0.0039	0.0037	0.025	0.000071	0.22	66	0.014	0.000067
	December		0.11	4.7	0.039	0.0000072	456	61	0.00035	0.0039	0.0037	0.025	0.000071	0.25	66	0.013	0.000051
	January	2031	0.12	4.3	0.041	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.20	60	0.014	0.000036
	February		0.12	4.4	0.040	0.0000074	456	52	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000015
	March		0.11	3.9	0.039	0.0000073	456	55	0.00035	0.0039	0.0037	0.025	0.000071	0.29	55	0.014	0.000061
	April		0.11	3.8	0.037	0.0000070	456	58	0.00034	0.0037	0.0035	0.024	0.000067	0.35	55	0.013	0.000079
	May		0.11	3.8	0.038	0.0000071	456	57	0.00034	0.0038	0.0036	0.024	0.000069	0.30	54	0.013	0.000077
	June		0.11	3.8	0.037	0.0000069	457	57	0.00033	0.0037	0.0035	0.023	0.000067	0.35	55	0.013	0.000073
	July		0.11	3.7	0.037	0.0000070	456	57	0.00034	0.0037	0.0035	0.023	0.000067	0.35	53	0.013	0.000086
	August		0.10	3.6	0.036	0.0000068	457	58	0.00033	0.0036	0.0034	0.023	0.000065	0.36	53	0.013	0.000091
	September		0.10	3.5	0.035	0.0000066	457	58	0.00032	0.0036	0.0033	0.022	0.000064	0.38	52	0.012	0.000096
	October		0.11	3.8	0.038	0.0000070	456	57	0.00034	0.0038	0.0036	0.024	0.000068	0.31	55	0.013	0.000074
	November		0.12	4.2	0.041	0.0000076	456	56	0.00037	0.0041	0.0039	0.026	0.000074	0.20	62	0.014	0.000041
	December		0.12	4.3	0.040	0.0000074	456	52	0.00036	0.0040	0.0038	0.026	0.000073	0.18	60	0.014	0.000027
	January	2032	0.12	4.6	0.041	0.0000076	456	54	0.00037	0.0041	0.0039	0.026	0.000075	0.19	61	0.014	0.000035
	February		0.12	4.9	0.040	0.0000074	456	52	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000018
	March		0.10	3.9	0.036	0.0000069	456	58	0.00033	0.0037	0.0034	0.023	0.000066	0.46	50	0.013	0.000096
	April		0.11	4.1	0.038	0.0000072	456	55	0.00035	0.0039	0.0036	0.024	0.000069	0.26	53	0.013	0.000082
	May		0.11	4.1	0.038	0.0000072	456	56	0.00035	0.0038	0.0036	0.024	0.000070	0.31	54	0.013	0.000075
	June		0.11	4.2	0.039	0.0000073	456	55	0.00035	0.0039	0.0037	0.025	0.000071	0.32	54	0.014	0.000067
	July		0.098	3.6	0.034	0.0000065	457	59	0.00031	0.0034	0.0032	0.021	0.000061	0.49	49	0.012	0.00011
	August		0.10	3.8	0.036	0.0000068	456	57	0.00033	0.0036	0.0034	0.023	0.000065	0.32	51	0.012	0.000095
	September		0.12	4.3	0.040	0.0000074	456	56	0.00036	0.0040	0.0038	0.025	0.000072	0.26	55	0.014	0.000073
	October		0.12	4.4	0.040	0.0000075	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.25	57	0.014	0.000054
	November		0.12	4.6	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.19	60	0.014	0.000037
	December		0.12	4.9	0.040	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.17	61	0.014	0.000023
	January	2033	0.11	3.8	0.039	0.0000074	455	55	0.00036	0.0039	0.0037	0.025	0.000071	0.29	53	0.014	0.000075
	February		0.12	4.3	0.041	0.0000075	456	54	0.00037	0.0040	0.0039	0.026	0.000074	0.15	63	0.014	0.000026
	March		0.11	4.2	0.039	0.0000073	456	53	0.00036	0.0039	0.0037	0.025	0.000071	0.24	57	0.014	0.000041
	April		0.10	3.4	0.035	0.0000066	456	56	0.00032	0.0035	0.0033	0.022	0.000063	0.36	50	0.012	0.000092
	May		0.11	3.8	0.039	0.0000074	456	56	0.00036	0.0039	0.0037	0.025	0.000071	0.27	55	0.014	0.000076
	June		0.11	3.5	0.037	0.0000069	456	56	0.00033	0.0037	0.0035	0.023	0.000067	0.34	53	0.013	0.000080
	July		0.12	3.8	0.040	0.0000074	457	55	0.00036	0.0040	0.0037	0.025	0.000072	0.30	54	0.014	0.000070
	August		0.11	3.5	0.037	0.0000070	456	58	0.00033	0.0037	0.0035	0.023	0.000067	0.38	52	0.013	0.000097
	September		0.11	3.6	0.038	0.0000071	456	56	0.00034	0.0038	0.0035	0.024	0.000068	0.33	52	0.013	0.000083
	October		0.11	3.7	0.038	0.0000072	455	55	0.00035	0.0039	0.0036	0.024	0.000070	0.31	53	0.013	0.000076
	November		0.12	3.8	0.040	0.0000074	456	55	0.00036	0.0040	0.0037	0.025	0.000072	0.26	56	0.014	0.000063
	December		0.12	4.2	0.041	0.0000076	456	53	0.00037	0.0040	0.0039	0.026	0.000075	0.18	60	0.014	0.000033
	January	2034	0.12	4.5	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	February		0.12	4.4	0.040	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.15	61	0.014	0.000023
	March		0.11	3.6	0.037	0.0000070	456	55	0.00034	0.0037	0.0035	0.024	0.000067	0.33	51	0.013	0.000083
	April		0.11	3.6	0.036	0.0000069	456	56	0.00033	0.0037	0.0034	0.023	0.000066	0.36	52	0.013	0.000082
	May		0.12	4.1	0.041	0.0000076	456	55	0.00037	0.0041	0.0039	0.026	0.000074	0.21	58	0.014	0.000051
	June		0.099	3.3	0.034	0.0000067	456	61	0.00031	0.0035	0.0032	0.022	0.000062	0.74	48	0.012	0.00012
	July		0.096	3.2	0.033	0.0000064	457	63	0.00030	0.0034	0.0031	0.021	0.000060	0.55	48	0.012	0.00013
	August		0.096	3.2	0.033	0.0000064	457	62	0.00030	0.0034	0.0031	0.021	0.000060	0.38	47	0.012	0.00013
	September		0.100	3.3	0.034	0.0000066	456	60	0.00031	0.0035	0.0032	0.022	0.000062	0.40	49	0.012	0.00012
	October		0.11	3.8	0.038	0.0000072	456	57	0.00035	0.0039	0.0036	0.024	0.000069	0.21	55	0.013	0.000093
	November		0.11	3.6	0.037	0.0000070	456	56	0.00033	0.0037	0.0035	0.023	0.000067	0.31	53	0.013	0.000085
	December		0.11	3.8	0.039	0.0000072	456	56	0.00035	0.0039	0.0037	0.025	0.000070	0.24	57	0.013	0.000061
	January	2035	0.12	4.4	0.041	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000025
	February		0.12	4.0	0.040	0.0000075	456	55	0.00036	0.0040	0.0038	0.026	0.000073	0.23	58	0.014	0.000051
	March		0.12	4.4	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000019

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2030**	0.0044	0.010	5.7	**0.018**	0.15	0.13	0.00058	885	0.32	**2900**	0.89	0.012	0.0019	0.0017
	February		0.0067	0.0098	5.5	**0.023**	0.30	0.12	0.00057	885	0.31	**2901**	0.85	0.011	0.0019	0.0017
	March		0.0062	0.0089	5.0	**0.039**	0.32	0.11	0.00053	885	0.32	**2901**	0.81	0.011	0.0017	0.0016
	April		0.0056	0.0092	5.1	**0.037**	0.28	0.12	0.00055	886	0.32	**2904**	0.82	0.011	0.0018	0.0016
	May		0.0078	0.0090	5.0	**0.039**	0.44	0.11	0.00053	886	0.32	**2903**	0.82	0.011	0.0017	0.0016
	June		0.0084	0.0082	4.5	**0.049**	0.51	0.10	0.00049	887	0.31	**2907**	0.74	0.0098	0.0016	0.0015
	July		0.0089	0.0082	4.5	**0.055**	0.56	0.10	0.00050	887	0.31	**2907**	0.74	0.0098	0.0016	0.0015
	August		0.0081	0.0082	4.6	**0.052**	0.49	0.10	0.00050	887	0.32	**2907**	0.76	0.0100	0.0016	0.0015
	September		0.0074	0.0084	4.7	**0.050**	0.43	0.11	0.00051	887	0.32	**2908**	0.76	0.010	0.0016	0.0015
	October		0.0071	0.0085	4.7	**0.044**	0.40	0.11	0.00051	886	0.32	**2903**	0.78	0.010	0.0016	0.0015
	November		0.0051	0.0100	5.5	**0.032**	0.21	0.13	0.00059	885	0.34	**2899**	0.89	0.012	0.0019	0.0018
	December		0.0055	0.0099	5.5	**0.029**	0.24	0.13	0.00058	885	0.33	**2899**	0.89	0.012	0.0019	0.0017
	January	**2031**	0.0054	0.010	5.0	**0.023**	0.20	0.13	0.00060	885	0.31	**2899**	0.81	0.011	0.0020	0.0018
	February		0.0045	0.010	5.2	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0066	0.0099	4.6	**0.031**	0.29	0.12	0.00058	885	0.29	**2898**	0.74	0.011	0.0019	0.0017
	April		0.0071	0.0094	4.4	**0.037**	0.36	0.12	0.00056	885	0.30	**2900**	0.75	0.010	0.0018	0.0017
	May		0.0064	0.0096	4.5	**0.036**	0.30	0.12	0.00057	886	0.29	**2903**	0.73	0.010	0.0019	0.0017
	June		0.0072	0.0094	4.4	**0.035**	0.35	0.12	0.00055	886	0.29	**2904**	0.74	0.010	0.0018	0.0017
	July		0.0070	0.0094	4.4	**0.039**	0.35	0.12	0.00056	886	0.29	**2903**	0.71	0.010	0.0018	0.0017
	August		0.0070	0.0092	4.2	**0.040**	0.36	0.11	0.00055	886	0.29	**2904**	0.71	0.010	0.0018	0.0016
	September		0.0073	0.0089	4.1	**0.041**	0.39	0.11	0.00053	886	0.29	**2904**	0.69	0.0099	0.0017	0.0016
	October		0.0065	0.0096	4.4	**0.035**	0.31	0.12	0.00056	885	0.30	**2899**	0.75	0.011	0.0018	0.0017
	November		0.0052	0.010	5.0	**0.025**	0.19	0.13	0.00061	885	0.31	**2900**	0.83	0.011	0.0020	0.0018
	December		0.0052	0.010	5.1	**0.021**	0.18	0.13	0.00059	885	0.30	**2899**	0.81	0.011	0.0020	0.0018
	January	**2032**	0.0052	0.010	5.4	**0.022**	0.18	0.13	0.00061	885	0.31	**2900**	0.82	0.011	0.0020	0.0018
	February		0.0046	0.010	5.8	**0.017**	0.14	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0087	0.0092	4.5	**0.043**	0.47	0.11	0.00055	884	0.28	**2898**	0.68	0.0099	0.0018	0.0016
	April		0.0060	0.0097	4.9	**0.035**	0.26	0.12	0.00058	884	0.29	**2898**	0.71	0.010	0.0019	0.0017
	May		0.0068	0.0098	4.8	**0.034**	0.31	0.12	0.00058	886	0.29	**2902**	0.72	0.010	0.0019	0.0017
	June		0.0070	0.0099	4.9	**0.033**	0.32	0.12	0.00058	885	0.29	**2901**	0.73	0.011	0.0019	0.0017
	July		0.0088	0.0086	4.2	**0.046**	0.50	0.11	0.00052	886	0.28	**2904**	0.66	0.0094	0.0017	0.0015
	August		0.0066	0.0091	4.5	**0.040**	0.32	0.11	0.00055	885	0.28	**2900**	0.68	0.0098	0.0018	0.0016
	September		0.0061	0.010	5.0	**0.033**	0.25	0.12	0.00060	886	0.30	**2903**	0.74	0.011	0.0019	0.0018
	October		0.0061	0.010	5.2	**0.028**	0.24	0.13	0.00060	885	0.30	**2901**	0.77	0.011	0.0020	0.0018
	November		0.0053	0.010	5.4	**0.023**	0.19	0.13	0.00060	885	0.31	**2899**	0.81	0.011	0.0020	0.0018
	December		0.0051	0.010	5.8	**0.019**	0.17	0.13	0.00059	885	0.31	**2900**	0.83	0.011	0.0020	0.0018
	January	**2033**	0.0067	0.0100	4.5	**0.034**	0.29	0.12	0.00059	884	0.29	**2897**	0.72	0.011	0.0019	0.0018
	February		0.0048	0.010	5.0	**0.019**	0.14	0.13	0.00060	885	0.32	**2900**	0.85	0.012	0.0020	0.0018
	March		0.0061	0.0100	4.9	**0.025**	0.24	0.12	0.00058	884	0.30	**2898**	0.77	0.011	0.0019	0.0017
	April		0.0072	0.0089	4.0	**0.039**	0.37	0.11	0.00053	885	0.28	**2900**	0.67	0.0096	0.0017	0.0016
	May		0.0064	0.0100	4.4	**0.034**	0.27	0.12	0.00059	886	0.30	**2903**	0.73	0.011	0.0019	0.0018
	June		0.0071	0.0094	4.1	**0.036**	0.34	0.12	0.00055	886	0.29	**2902**	0.71	0.010	0.0018	0.0017
	July		0.0068	0.010	4.4	**0.033**	0.30	0.12	0.00059	886	0.29	**2904**	0.73	0.011	0.0019	0.0018
	August		0.0076	0.0094	4.1	**0.041**	0.38	0.11	0.00056	885	0.29	**2900**	0.69	0.010	0.0018	0.0017
	September		0.0069	0.0096	4.3	**0.037**	0.33	0.12	0.00057	885	0.29	**2901**	0.70	0.010	0.0018	0.0017
	October		0.0069	0.0098	4.4	**0.035**	0.32	0.12	0.00058	884	0.29	**2897**	0.71	0.010	0.0019	0.0017
	November		0.0062	0.010	4.5	**0.030**	0.26	0.12	0.00059	885	0.30	**2899**	0.75	0.011	0.0019	0.0018
	December		0.0053	0.010	5.0	**0.021**	0.18	0.13	0.00060	885	0.31	**2900**	0.81	0.011	0.0020	0.0018
	January	**2034**	0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0049	0.010	5.3	**0.018**	0.15	0.13	0.00059	885	0.31	**2899**	0.83	0.011	0.0020	0.0018
	March		0.0070	0.0095	4.2	**0.036**	0.33	0.12	0.00056	884	0.28	**2898**	0.69	0.010	0.0018	0.0017
	April		0.0074	0.0093	4.2	**0.037**	0.36	0.11	0.00055	885	0.29	**2902**	0.70	0.010	0.0018	0.0016
	May		0.0056	0.010	4.8	**0.026**	0.20	0.13	0.00061	886	0.30	**2903**	0.79	0.011	0.0020	0.0018
	June		0.013	0.0087	3.8	**0.051**	0.78	0.11	0.00052	886	0.28	**2902**	0.66	0.0095	0.0017	0.0016
	July		0.0096	0.0085	3.7	**0.054**	0.56	0.10	0.00051	887	0.28	**2905**	0.64	0.0093	0.0016	0.0015
	August		0.0073	0.0085	3.7	**0.051**	0.38	0.10	0.00051	887	0.28	**2906**	0.63	0.0092	0.0016	0.0015
	September		0.0077	0.0088	3.8	**0.048**	0.41	0.11	0.00053	886	0.29	**2903**	0.66	0.0095	0.0017	0.0016
	October		0.0053	0.0098	4.5	**0.036**	0.20	0.12	0.00058	885	0.30	**2899**	0.72	0.010	0.0019	0.0017
	November		0.0067	0.0094	4.3	**0.037**	0.31	0.12	0.00056	885	0.29	**2900**	0.71	0.010	0.0018	0.0017
	December		0.0059	0.0099	4.5	**0.029**	0.23	0.12	0.00058	885	0.30	**2900**	0.77	0.011	0.0019	0.0017
	January	**2035**	0.0051	0.010	5.2	**0.019**	0.16	0.13	0.00060	885	0.31	**2899**	0.84	0.011	0.0020	0.0018
	February		0.0059	0.010	4.8	**0.027**	0.23	0.13	0.00060	885	0.30	**2900**	0.78	0.011	0.0020	0.0018
	March		0.0047	0.010	5.2	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.11	3.8	0.039	0.0000073	456	54	0.00035	0.0039	0.0037	0.025	0.000070	0.28	54	0.013	0.000064
	May		0.11	3.9	0.039	0.0000074	456	55	0.00036	0.0039	0.0037	0.025	0.000071	0.37	56	0.014	0.000056
	June		0.10	3.4	0.035	0.0000067	456	57	0.00032	0.0036	0.0033	0.022	0.000064	0.34	50	0.012	0.000095
	July		0.10	3.4	0.035	0.0000067	457	58	0.00032	0.0036	0.0033	0.022	0.000064	0.35	50	0.012	0.000100
	August		0.11	3.6	0.037	0.0000071	456	59	0.00034	0.0038	0.0035	0.024	0.000068	0.35	53	0.013	0.000098
	September		0.11	3.5	0.037	0.0000070	456	57	0.00033	0.0037	0.0035	0.023	0.000067	0.34	52	0.013	0.000090
	October		0.12	3.8	0.040	0.0000074	456	55	0.00036	0.0040	0.0037	0.025	0.000072	0.27	55	0.014	0.000068
	November		0.12	4.1	0.041	0.0000077	456	54	0.00038	0.0041	0.0039	0.026	0.000075	0.19	61	0.014	0.000036
	December		0.12	4.4	0.041	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000025
	January	2036	0.12	4.5	0.040	0.0000074	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	February		0.12	4.5	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	March		0.10	3.6	0.036	0.0000069	456	58	0.00033	0.0036	0.0034	0.023	0.000065	0.47	51	0.013	0.000092
	April		0.10	3.5	0.036	0.0000068	456	57	0.00032	0.0036	0.0034	0.023	0.000065	0.34	51	0.012	0.000097
	May		0.11	3.8	0.039	0.0000073	457	56	0.00035	0.0039	0.0036	0.025	0.000070	0.26	53	0.013	0.000084
	June		0.11	3.7	0.037	0.0000070	456	56	0.00034	0.0037	0.0035	0.023	0.000067	0.36	52	0.013	0.000081
	July		0.10	3.5	0.036	0.0000068	456	57	0.00033	0.0036	0.0034	0.023	0.000065	0.35	51	0.013	0.000096
	August		0.12	4.0	0.040	0.0000075	457	56	0.00036	0.0040	0.0038	0.026	0.000073	0.28	57	0.014	0.000058
	September		0.11	3.8	0.039	0.0000073	456	56	0.00035	0.0039	0.0036	0.024	0.000070	0.31	54	0.013	0.000078
	October		0.11	3.6	0.037	0.0000070	456	56	0.00034	0.0037	0.0035	0.024	0.000068	0.33	53	0.013	0.000082
	November		0.12	4.1	0.041	0.0000077	456	54	0.00038	0.0041	0.0039	0.026	0.000075	0.20	60	0.014	0.000042
	December		0.12	4.3	0.041	0.0000076	456	54	0.00037	0.0041	0.0039	0.026	0.000075	0.19	60	0.014	0.000035
	January	2037	0.12	4.3	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000019
	February		0.11	3.4	0.037	0.0000069	456	57	0.00033	0.0037	0.0035	0.023	0.000066	0.44	50	0.013	0.000089
	March		0.12	3.7	0.040	0.0000074	456	55	0.00036	0.0040	0.0037	0.025	0.000072	0.23	56	0.014	0.000072
	April		0.12	3.8	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.24	57	0.014	0.000054
	May		0.12	3.8	0.041	0.0000076	456	54	0.00037	0.0041	0.0039	0.026	0.000074	0.24	57	0.014	0.000051
	June		0.097	3.1	0.033	0.0000064	457	59	0.00030	0.0034	0.0032	0.021	0.000061	0.52	49	0.012	0.00010
	July		0.097	3.0	0.034	0.0000065	457	61	0.00030	0.0034	0.0032	0.021	0.000061	0.49	49	0.012	0.00012
	August		0.11	3.3	0.036	0.0000069	456	57	0.00033	0.0037	0.0034	0.023	0.000066	0.30	51	0.013	0.000099
	September		0.10	3.3	0.036	0.0000068	456	57	0.00032	0.0036	0.0034	0.023	0.000065	0.37	50	0.012	0.000099
	October		0.11	3.7	0.039	0.0000074	456	57	0.00036	0.0039	0.0037	0.025	0.000071	0.20	59	0.014	0.000066
	November		0.12	3.9	0.040	0.0000075	456	54	0.00036	0.0040	0.0038	0.025	0.000073	0.24	57	0.014	0.000053
	December		0.12	4.1	0.041	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000022
	January	2038	0.12	4.2	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000021
	February		0.12	4.0	0.041	0.0000076	456	54	0.00037	0.0041	0.0039	0.026	0.000074	0.19	60	0.014	0.000037
	March		0.10	3.2	0.035	0.0000067	456	58	0.00032	0.0036	0.0033	0.022	0.000064	0.45	48	0.012	0.00010
	April		0.11	3.5	0.038	0.0000071	456	56	0.00034	0.0038	0.0036	0.024	0.000069	0.27	53	0.013	0.000087
	May		0.11	3.6	0.039	0.0000074	456	56	0.00036	0.0039	0.0037	0.025	0.000072	0.29	55	0.014	0.000072
	June		0.11	3.5	0.038	0.0000072	456	57	0.00035	0.0038	0.0036	0.024	0.000070	0.34	55	0.013	0.000071
	July		0.10	3.3	0.035	0.0000067	456	58	0.00032	0.0036	0.0033	0.022	0.000064	0.36	51	0.012	0.00010
	August		0.11	3.5	0.039	0.0000073	456	56	0.00035	0.0039	0.0037	0.025	0.000070	0.31	53	0.013	0.000080
	September		0.10	3.3	0.036	0.0000069	456	58	0.00033	0.0036	0.0034	0.023	0.000065	0.45	52	0.013	0.000094
	October		0.11	3.3	0.036	0.0000069	456	58	0.00033	0.0037	0.0034	0.023	0.000066	0.30	51	0.013	0.000097
	November		0.12	3.8	0.041	0.0000076	456	56	0.00037	0.0041	0.0039	0.026	0.000074	0.20	59	0.014	0.000060
	December		0.12	4.0	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.19	60	0.014	0.000040
	January	2039	0.12	4.3	0.040	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000024
	February		0.12	3.9	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.22	58	0.014	0.000052
	March		0.12	3.8	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.24	57	0.014	0.000057
	April		0.11	3.8	0.040	0.0000074	456	55	0.00036	0.0039	0.0037	0.025	0.000072	0.26	55	0.014	0.000063
	May		0.12	3.7	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.26	56	0.014	0.000062
	June		0.12	3.7	0.040	0.0000075	456	56	0.00036	0.0040	0.0038	0.025	0.000073	0.29	57	0.014	0.000058
	July		0.10	3.2	0.035	0.0000066	456	59	0.00031	0.0035	0.0033	0.022	0.000063	0.38	51	0.012	0.00011
	August		0.098	3.0	0.034	0.0000065	457	62	0.00031	0.0035	0.0032	0.021	0.000061	0.55	47	0.012	0.00013
	September		0.11	3.4	0.037	0.0000070	456	56	0.00033	0.0037	0.0035	0.023	0.000066	0.29	51	0.013	0.000095
	October		0.11	3.4	0.037	0.0000071	456	58	0.00034	0.0038	0.0035	0.024	0.000067	0.33	52	0.013	0.000099
	November		0.12	3.7	0.040	0.0000075	456	56	0.00036	0.0040	0.0038	0.025	0.000072	0.24	57	0.014	0.000067
	December		0.12	4.1	0.041	0.0000076	456	54	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000036
	January	2040	0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	February		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	March		0.10	3.4	0.035	0.0000067	456	60	0.00032	0.0035	0.0033	0.022	0.000063	0.53	49	0.012	0.00011
	April		0.11	3.6	0.037	0.0000069	456	57	0.00033	0.0037	0.0035	0.023	0.000066	0.25	52	0.013	0.000092
	May		0.11	3.6	0.037	0.0000070	456	59	0.00033	0.0037	0.0035	0.023	0.000067	0.39	52	0.013	0.000096
	June		0.100	3.4	0.034	0.0000066	456	59	0.00031	0.0035	0.0032	0.022	0.000062	0.44	50	0.012	0.00011

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**April**	**2035**	0.0065	0.0099	4.5	**0.031**	0.28	0.12	0.00058	884	0.29	**2898**	0.73	0.011	0.0019	0.0017
	May		0.0080	0.0100	4.6	**0.030**	0.38	0.12	0.00058	885	0.29	**2902**	0.76	0.011	0.0019	0.0018
	June		0.0070	0.0090	4.0	**0.040**	0.34	0.11	0.00054	886	0.28	**2902**	0.67	0.0097	0.0017	0.0016
	July		0.0071	0.0090	3.9	**0.042**	0.36	0.11	0.00054	886	0.28	**2903**	0.68	0.0097	0.0017	0.0016
	August		0.0073	0.0095	4.2	**0.041**	0.36	0.12	0.00057	886	0.29	**2902**	0.71	0.010	0.0018	0.0017
	September		0.0070	0.0094	4.1	**0.039**	0.34	0.11	0.00056	885	0.29	**2900**	0.70	0.010	0.0018	0.0017
	October		0.0063	0.010	4.5	**0.032**	0.26	0.12	0.00059	885	0.30	**2900**	0.74	0.011	0.0019	0.0018
	November		0.0054	0.011	4.9	**0.022**	0.19	0.13	0.00061	885	0.31	**2899**	0.82	0.011	0.0020	0.0018
	December		0.0050	0.010	5.2	**0.019**	0.15	0.13	0.00060	885	0.31	**2900**	0.83	0.011	0.0020	0.0018
	January	**2036**	0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0090	0.0092	4.2	**0.041**	0.48	0.11	0.00054	884	0.28	**2898**	0.69	0.0099	0.0018	0.0016
	April		0.0070	0.0091	4.1	**0.040**	0.34	0.11	0.00054	885	0.28	**2900**	0.68	0.0097	0.0017	0.0016
	May		0.0062	0.0098	4.4	**0.035**	0.26	0.12	0.00058	886	0.29	**2903**	0.70	0.010	0.0019	0.0017
	June		0.0074	0.0094	4.3	**0.037**	0.36	0.12	0.00056	885	0.29	**2902**	0.71	0.010	0.0018	0.0017
	July		0.0072	0.0092	4.1	**0.040**	0.36	0.11	0.00055	885	0.28	**2901**	0.68	0.0098	0.0018	0.0016
	August		0.0065	0.010	4.7	**0.030**	0.28	0.13	0.00060	886	0.30	**2904**	0.77	0.011	0.0020	0.0018
	September		0.0068	0.0098	4.4	**0.035**	0.31	0.12	0.00058	885	0.29	**2900**	0.73	0.010	0.0019	0.0017
	October		0.0070	0.0095	4.3	**0.036**	0.33	0.12	0.00056	884	0.29	**2897**	0.71	0.010	0.0018	0.0017
	November		0.0056	0.011	4.9	**0.024**	0.20	0.13	0.00061	885	0.31	**2900**	0.80	0.011	0.0020	0.0018
	December		0.0054	0.010	5.1	**0.022**	0.19	0.13	0.00061	885	0.31	**2900**	0.81	0.011	0.0020	0.0018
	January	**2037**	0.0047	0.010	5.1	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0085	0.0093	4.0	**0.040**	0.45	0.11	0.00055	884	0.28	**2897**	0.68	0.0099	0.0018	0.0017
	March		0.0059	0.010	4.3	**0.032**	0.22	0.12	0.00060	884	0.30	**2898**	0.74	0.011	0.0019	0.0018
	April		0.0060	0.010	4.5	**0.028**	0.24	0.13	0.00060	885	0.30	**2900**	0.76	0.011	0.0020	0.0018
	May		0.0062	0.010	4.5	**0.027**	0.24	0.13	0.00061	886	0.30	**2903**	0.77	0.011	0.0020	0.0018
	June		0.0093	0.0085	3.6	**0.046**	0.53	0.11	0.00051	886	0.28	**2903**	0.66	0.0094	0.0016	0.0015
	July		0.0089	0.0086	3.6	**0.049**	0.51	0.11	0.00052	886	0.28	**2903**	0.65	0.0094	0.0016	0.0015
	August		0.0065	0.0092	3.9	**0.040**	0.30	0.11	0.00055	885	0.29	**2901**	0.68	0.0098	0.0018	0.0016
	September		0.0074	0.0091	3.8	**0.041**	0.38	0.11	0.00054	885	0.28	**2901**	0.67	0.0097	0.0017	0.0016
	October		0.0053	0.010	4.4	**0.030**	0.20	0.12	0.00059	885	0.31	**2900**	0.79	0.011	0.0019	0.0018
	November		0.0061	0.010	4.6	**0.027**	0.24	0.13	0.00060	885	0.30	**2899**	0.77	0.011	0.0020	0.0018
	December		0.0047	0.010	4.9	**0.018**	0.14	0.13	0.00060	885	0.32	**2900**	0.85	0.012	0.0020	0.0018
	January	**2038**	0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0055	0.010	4.8	**0.022**	0.19	0.13	0.00061	884	0.31	**2898**	0.81	0.011	0.0020	0.0018
	March		0.0086	0.0089	3.8	**0.044**	0.46	0.11	0.00053	885	0.28	**2900**	0.65	0.0096	0.0017	0.0016
	April		0.0063	0.0096	4.1	**0.035**	0.27	0.12	0.00057	885	0.29	**2899**	0.70	0.010	0.0019	0.0017
	May		0.0067	0.010	4.3	**0.032**	0.29	0.12	0.00059	886	0.30	**2902**	0.74	0.011	0.0019	0.0018
	June		0.0073	0.0098	4.2	**0.033**	0.34	0.12	0.00057	885	0.30	**2901**	0.75	0.011	0.0019	0.0017
	July		0.0072	0.0090	3.8	**0.041**	0.37	0.11	0.00054	885	0.29	**2901**	0.68	0.0098	0.0017	0.0016
	August		0.0068	0.0099	4.1	**0.035**	0.31	0.12	0.00058	886	0.29	**2902**	0.72	0.010	0.0019	0.0017
	September		0.0088	0.0092	3.9	**0.041**	0.46	0.11	0.00055	885	0.29	**2901**	0.70	0.010	0.0018	0.0016
	October		0.0064	0.0093	3.9	**0.039**	0.30	0.11	0.00055	884	0.29	**2897**	0.69	0.0099	0.0018	0.0016
	November		0.0056	0.010	4.5	**0.028**	0.20	0.13	0.00061	885	0.31	**2901**	0.78	0.011	0.0020	0.0018
	December		0.0055	0.010	4.7	**0.023**	0.19	0.13	0.00060	885	0.31	**2900**	0.81	0.011	0.0020	0.0018
	January	**2039**	0.0048	0.010	5.0	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0060	0.010	4.6	**0.026**	0.22	0.13	0.00060	884	0.30	**2898**	0.78	0.011	0.0020	0.0018
	March		0.0062	0.010	4.5	**0.027**	0.24	0.13	0.00060	885	0.30	**2899**	0.77	0.011	0.0020	0.0018
	April		0.0064	0.010	4.4	**0.029**	0.26	0.12	0.00059	885	0.29	**2901**	0.74	0.011	0.0019	0.0018
	May		0.0066	0.010	4.4	**0.029**	0.26	0.13	0.00061	886	0.30	**2903**	0.75	0.011	0.0020	0.0018
	June		0.0070	0.010	4.4	**0.028**	0.29	0.13	0.00059	886	0.30	**2903**	0.77	0.011	0.0020	0.0018
	July		0.0075	0.0088	3.7	**0.043**	0.39	0.11	0.00053	885	0.29	**2899**	0.68	0.0097	0.0017	0.0016
	August		0.0098	0.0086	3.6	**0.052**	0.57	0.11	0.00052	886	0.28	**2904**	0.64	0.0094	0.0017	0.0015
	September		0.0064	0.0093	4.0	**0.038**	0.28	0.11	0.00056	885	0.29	**2900**	0.68	0.0099	0.0018	0.0017
	October		0.0071	0.0095	4.0	**0.039**	0.33	0.12	0.00057	884	0.29	**2898**	0.70	0.010	0.0018	0.0017
	November		0.0061	0.010	4.3	**0.030**	0.24	0.13	0.00060	884	0.31	**2898**	0.77	0.011	0.0020	0.0018
	December		0.0053	0.010	4.8	**0.021**	0.17	0.13	0.00060	885	0.31	**2900**	0.82	0.011	0.0020	0.0018
	January	**2040**	0.0049	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0050	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0098	0.0089	4.0	**0.046**	0.54	0.11	0.00053	885	0.28	**2899**	0.67	0.0097	0.0017	0.0016
	April		0.0060	0.0093	4.2	**0.036**	0.24	0.11	0.00056	885	0.29	**2900**	0.70	0.010	0.0018	0.0017
	May		0.0081	0.0094	4.2	**0.040**	0.40	0.12	0.00056	886	0.29	**2902**	0.70	0.010	0.0018	0.0017
	June		0.0085	0.0088	3.9	**0.043**	0.45	0.11	0.00053	886	0.29	**2902**	0.68	0.0096	0.0017	0.0016

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	July	2040	0.099	3.3	0.034	0.0000066	457	63	0.00031	0.0035	0.0032	0.022	0.000062	0.48	49	0.012	0.00013
	August		0.11	3.8	0.038	0.0000073	457	58	0.00035	0.0039	0.0036	0.024	0.000070	0.22	55	0.013	0.000094
	September		0.12	3.9	0.040	0.0000075	456	56	0.00036	0.0040	0.0037	0.025	0.000072	0.29	55	0.014	0.000075
	October		0.11	3.8	0.039	0.0000073	456	57	0.00035	0.0039	0.0036	0.025	0.000070	0.29	55	0.013	0.000078
	November		0.12	4.2	0.041	0.0000077	456	55	0.00037	0.0041	0.0039	0.026	0.000075	0.19	60	0.014	0.000044
	December		0.12	4.4	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.19	59	0.014	0.000041
	January	2041	0.12	4.4	0.041	0.0000076	456	55	0.00037	0.0040	0.0039	0.026	0.000074	0.15	63	0.014	0.000034
	February		0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000033
	March		0.11	4.0	0.039	0.0000073	456	55	0.00035	0.0038	0.0036	0.025	0.000070	0.38	56	0.013	0.000063
	April		0.10	3.4	0.035	0.0000067	456	57	0.00032	0.0035	0.0033	0.022	0.000063	0.30	49	0.012	0.00010
	May		0.12	4.0	0.040	0.0000076	456	56	0.00037	0.0040	0.0038	0.026	0.000073	0.21	57	0.014	0.000073
	June		0.11	3.7	0.038	0.0000072	456	57	0.00034	0.0038	0.0036	0.024	0.000069	0.33	54	0.013	0.000077
	July		0.10	3.5	0.036	0.0000069	456	59	0.00033	0.0036	0.0034	0.023	0.000065	0.45	51	0.012	0.00010
	August		0.097	3.2	0.033	0.0000066	457	63	0.00030	0.0034	0.0031	0.021	0.000060	0.79	47	0.012	0.00014
	September		0.096	3.2	0.033	0.0000064	457	64	0.00030	0.0034	0.0031	0.021	0.000060	0.30	48	0.012	0.00014
	October		0.10	3.5	0.036	0.0000069	456	58	0.00033	0.0037	0.0034	0.023	0.000066	0.28	51	0.013	0.00011
	November		0.12	3.9	0.040	0.0000076	456	57	0.00036	0.0040	0.0038	0.025	0.000072	0.20	56	0.014	0.000088
	December		0.12	4.4	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.15	63	0.014	0.000031
	January	2042	0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000028
	February		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.11	4.0	0.038	0.0000073	456	54	0.00035	0.0038	0.0036	0.024	0.000070	0.28	55	0.013	0.000063
	April		0.10	3.5	0.036	0.0000069	457	58	0.00032	0.0036	0.0034	0.023	0.000065	0.42	51	0.012	0.000097
	May		0.11	3.8	0.039	0.0000074	456	56	0.00036	0.0039	0.0037	0.025	0.000071	0.20	55	0.014	0.000080
	June		0.097	3.3	0.034	0.0000066	456	60	0.00030	0.0034	0.0032	0.021	0.000061	0.60	49	0.012	0.00012
	July		0.096	3.2	0.033	0.0000065	457	63	0.00030	0.0034	0.0031	0.021	0.000060	0.44	48	0.012	0.00013
	August		0.098	3.2	0.034	0.0000066	457	63	0.00031	0.0035	0.0032	0.021	0.000061	0.48	48	0.012	0.00014
	September		0.10	3.4	0.036	0.0000069	456	59	0.00032	0.0036	0.0034	0.023	0.000064	0.47	50	0.012	0.00012
	October		0.10	3.5	0.036	0.0000070	456	62	0.00033	0.0037	0.0034	0.023	0.000065	0.35	50	0.013	0.00013
	November		0.11	3.9	0.039	0.0000075	456	57	0.00036	0.0040	0.0037	0.025	0.000071	0.18	57	0.014	0.000084
	December		0.12	4.5	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000030
	January	2043	0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.3	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.025	0.000073	0.21	59	0.014	0.000045
	April		0.10	3.4	0.035	0.0000067	456	57	0.00031	0.0035	0.0033	0.022	0.000063	0.42	48	0.012	0.00010
	May		0.11	3.8	0.038	0.0000073	456	56	0.00035	0.0039	0.0036	0.024	0.000070	0.27	53	0.013	0.000091
	June		0.10	3.4	0.035	0.0000067	456	58	0.00032	0.0035	0.0033	0.022	0.000063	0.46	48	0.012	0.00011
	July		0.10	3.4	0.035	0.0000068	456	60	0.00032	0.0035	0.0033	0.022	0.000063	0.47	50	0.012	0.00011
	August		0.096	3.2	0.033	0.0000065	457	63	0.00030	0.0034	0.0031	0.021	0.000060	0.49	48	0.012	0.00014
	September		0.098	3.2	0.034	0.0000066	456	62	0.00031	0.0035	0.0032	0.021	0.000061	0.53	49	0.012	0.00013
	October		0.10	3.3	0.035	0.0000067	456	61	0.00032	0.0036	0.0033	0.022	0.000063	0.37	48	0.012	0.00013
	November		0.11	3.7	0.038	0.0000073	456	56	0.00035	0.0039	0.0036	0.024	0.000069	0.21	54	0.013	0.000095
	December		0.12	4.0	0.041	0.0000078	456	56	0.00037	0.0041	0.0039	0.026	0.000075	0.20	59	0.014	0.000064
	January	2044	0.12	4.4	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000030
	February		0.12	4.4	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.17	61	0.014	0.000037
	March		0.12	4.2	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.025	0.000072	0.23	59	0.014	0.000045
	April		0.11	3.6	0.037	0.0000071	456	56	0.00034	0.0038	0.0035	0.024	0.000068	0.28	52	0.013	0.000088
	May		0.11	3.7	0.038	0.0000073	456	56	0.00035	0.0038	0.0036	0.024	0.000070	0.31	54	0.013	0.000077
	June		0.11	3.7	0.039	0.0000074	457	57	0.00035	0.0039	0.0037	0.025	0.000070	0.30	55	0.013	0.000078
	July		0.10	3.3	0.035	0.0000067	457	59	0.00031	0.0035	0.0033	0.022	0.000063	0.45	48	0.012	0.00011
	August		0.11	3.7	0.038	0.0000073	456	57	0.00035	0.0039	0.0036	0.024	0.000069	0.28	54	0.013	0.000091
	September		0.11	3.8	0.039	0.0000075	456	58	0.00036	0.0039	0.0037	0.025	0.000071	0.30	55	0.014	0.000085
	October		0.12	3.9	0.040	0.0000076	456	56	0.00037	0.0040	0.0038	0.026	0.000073	0.24	57	0.014	0.000066
	November		0.12	4.1	0.040	0.0000076	456	56	0.00037	0.0040	0.0038	0.026	0.000073	0.22	60	0.014	0.000051
	December		0.12	4.1	0.042	0.0000078	456	55	0.00038	0.0041	0.0039	0.026	0.000075	0.20	59	0.014	0.000053
	January	2045	0.12	4.3	0.041	0.0000077	456	55	0.00037	0.0040	0.0039	0.026	0.000074	0.18	60	0.014	0.000042
	February		0.12	4.4	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000030
	March		0.11	4.1	0.039	0.0000074	456	55	0.00035	0.0039	0.0037	0.025	0.000071	0.27	57	0.014	0.000060
	April		0.11	3.7	0.038	0.0000073	456	57	0.00035	0.0038	0.0036	0.024	0.000070	0.27	54	0.013	0.000084
	May		0.10	3.4	0.035	0.0000068	456	57	0.00032	0.0036	0.0033	0.022	0.000064	0.39	50	0.012	0.00010
	June		0.10	3.3	0.035	0.0000067	456	58	0.00032	0.0035	0.0033	0.022	0.000063	0.40	50	0.012	0.00011
	July		0.099	3.3	0.034	0.0000066	456	58	0.00031	0.0035	0.0032	0.022	0.000062	0.37	49	0.012	0.00011
	August		0.11	3.5	0.037	0.0000071	456	59	0.00033	0.0037	0.0035	0.023	0.000067	0.33	52	0.013	0.00010
	September		0.11	3.7	0.038	0.0000073	456	58	0.00035	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.000090

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.0089	0.0087	3.8	**0.050**	0.49	0.11	0.00053	886	0.29	**2904**	0.66	0.0095	0.0017	0.0016
	August		0.0059	0.0098	4.5	**0.035**	0.22	0.12	0.00059	886	0.31	**2904**	0.73	0.010	0.0019	0.0017
	September		0.0069	0.010	4.6	**0.032**	0.29	0.12	0.00060	886	0.30	**2902**	0.73	0.011	0.0019	0.0018
	October	**2040**	0.0067	0.0098	4.4	**0.033**	0.29	0.12	0.00058	885	0.30	**2901**	0.74	0.011	0.0019	0.0017
	November		0.0057	0.010	5.0	**0.023**	0.19	0.13	0.00061	885	0.31	**2900**	0.81	0.011	0.0020	0.0018
	December		0.0057	0.010	5.2	**0.022**	0.18	0.13	0.00060	885	0.31	**2899**	0.80	0.011	0.0020	0.0018
	January		0.0052	0.010	5.2	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.84	0.012	0.0020	0.0018
	February		0.0053	0.010	5.3	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.83	0.011	0.0020	0.0018
	March		0.0085	0.0098	4.8	**0.029**	0.39	0.12	0.00058	885	0.30	**2901**	0.75	0.011	0.0019	0.0017
	April		0.0065	0.0089	4.0	**0.040**	0.30	0.11	0.00053	885	0.28	**2900**	0.66	0.0096	0.0017	0.0016
	May		0.0060	0.010	4.7	**0.030**	0.21	0.13	0.00061	886	0.31	**2903**	0.75	0.011	0.0020	0.0018
	June		0.0075	0.0097	4.4	**0.033**	0.34	0.12	0.00057	886	0.30	**2902**	0.73	0.010	0.0019	0.0017
	July	**2041**	0.0089	0.0092	4.1	**0.042**	0.46	0.11	0.00055	886	0.29	**2902**	0.68	0.0099	0.0018	0.0016
	August		0.013	0.0085	3.7	**0.055**	0.83	0.10	0.00052	886	0.28	**2903**	0.64	0.0094	0.0016	0.0015
	September		0.0063	0.0085	3.7	**0.052**	0.30	0.10	0.00052	887	0.29	**2907**	0.65	0.0093	0.0016	0.0015
	October		0.0065	0.0092	4.1	**0.041**	0.27	0.11	0.00056	885	0.29	**2899**	0.68	0.0098	0.0018	0.0017
	November		0.0057	0.010	4.6	**0.033**	0.19	0.12	0.00061	885	0.31	**2899**	0.74	0.011	0.0020	0.0018
	December		0.0051	0.010	5.2	**0.018**	0.14	0.13	0.00060	885	0.32	**2900**	0.85	0.012	0.0020	0.0018
	January		0.0051	0.010	5.4	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0069	0.0098	4.7	**0.028**	0.28	0.12	0.00057	885	0.29	**2899**	0.74	0.010	0.0019	0.0017
	April		0.0085	0.0091	4.1	**0.040**	0.43	0.11	0.00054	886	0.29	**2903**	0.69	0.0099	0.0018	0.0016
	May		0.0058	0.0100	4.5	**0.031**	0.20	0.12	0.00059	885	0.30	**2900**	0.74	0.011	0.0019	0.0018
	June		0.011	0.0086	3.8	**0.047**	0.63	0.11	0.00052	885	0.28	**2901**	0.66	0.0094	0.0016	0.0015
	July	**2042**	0.0084	0.0084	3.7	**0.051**	0.44	0.10	0.00051	887	0.28	**2907**	0.64	0.0093	0.0016	0.0015
	August		0.0090	0.0086	3.8	**0.051**	0.49	0.10	0.00052	886	0.29	**2904**	0.65	0.0094	0.0016	0.0015
	September		0.0093	0.0091	4.0	**0.044**	0.48	0.11	0.00055	885	0.29	**2901**	0.67	0.0098	0.0017	0.0016
	October		0.0071	0.0092	4.1	**0.048**	0.34	0.11	0.00056	885	0.29	**2900**	0.66	0.0097	0.0018	0.0017
	November		0.0054	0.010	4.6	**0.031**	0.17	0.12	0.00060	884	0.31	**2897**	0.75	0.011	0.0019	0.0018
	December		0.0052	0.010	5.3	**0.018**	0.13	0.13	0.00060	885	0.32	**2900**	0.85	0.012	0.0020	0.0018
	January		0.0052	0.010	5.4	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
Operations	**February**		0.0052	0.010	5.4	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	March		0.0062	0.010	5.1	**0.023**	0.20	0.13	0.00059	885	0.31	**2899**	0.79	0.011	0.0020	0.0018
	April		0.0084	0.0088	3.9	**0.041**	0.43	0.11	0.00053	885	0.28	**2901**	0.65	0.0095	0.0017	0.0016
	May		0.0067	0.0098	4.4	**0.035**	0.27	0.12	0.00058	885	0.30	**2899**	0.70	0.010	0.0019	0.0017
	June		0.0090	0.0088	4.0	**0.043**	0.47	0.11	0.00053	885	0.28	**2900**	0.65	0.0095	0.0017	0.0016
	July	**2043**	0.0092	0.0089	4.0	**0.044**	0.48	0.11	0.00053	885	0.29	**2900**	0.67	0.0096	0.0017	0.0016
	August		0.0091	0.0085	3.7	**0.052**	0.50	0.10	0.00052	886	0.29	**2903**	0.64	0.0093	0.0016	0.0015
	September		0.0097	0.0086	3.8	**0.050**	0.54	0.11	0.00052	885	0.29	**2900**	0.66	0.0095	0.0017	0.0016
	October		0.0077	0.0089	3.9	**0.048**	0.37	0.11	0.00054	885	0.29	**2899**	0.64	0.0095	0.0017	0.0016
	November		0.0058	0.0097	4.4	**0.035**	0.20	0.12	0.00058	884	0.30	**2897**	0.71	0.010	0.0019	0.0017
	December		0.0061	0.010	4.8	**0.027**	0.20	0.13	0.00062	885	0.31	**2900**	0.78	0.011	0.0020	0.0018
	January		0.0052	0.010	5.2	**0.017**	0.14	0.13	0.00060	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0056	0.010	5.1	**0.020**	0.16	0.13	0.00060	885	0.31	**2900**	0.82	0.011	0.0020	0.0018
	March		0.0066	0.010	4.9	**0.023**	0.24	0.13	0.00059	885	0.31	**2900**	0.79	0.011	0.0020	0.0018
	April		0.0066	0.0095	4.2	**0.035**	0.28	0.12	0.00056	885	0.29	**2899**	0.70	0.010	0.0018	0.0017
	May		0.0073	0.0098	4.4	**0.033**	0.31	0.12	0.00058	885	0.30	**2901**	0.73	0.010	0.0019	0.0017
	June		0.0072	0.0098	4.4	**0.033**	0.30	0.12	0.00058	886	0.30	**2903**	0.73	0.011	0.0019	0.0017
	July	**2044**	0.0087	0.0088	3.9	**0.044**	0.45	0.11	0.00053	886	0.28	**2904**	0.65	0.0095	0.0017	0.0016
	August		0.0068	0.0098	4.4	**0.035**	0.28	0.12	0.00058	886	0.30	**2903**	0.71	0.010	0.0019	0.0017
	September		0.0072	0.0100	4.5	**0.034**	0.30	0.12	0.00059	885	0.30	**2901**	0.74	0.011	0.0019	0.0018
	October		0.0065	0.010	4.6	**0.029**	0.24	0.13	0.00060	886	0.31	**2902**	0.77	0.011	0.0020	0.0018
	November		0.0062	0.010	4.8	**0.024**	0.21	0.13	0.00060	885	0.31	**2900**	0.80	0.011	0.0020	0.0018
	December		0.0060	0.011	4.9	**0.024**	0.19	0.13	0.00062	885	0.31	**2900**	0.79	0.011	0.0020	0.0019
	January		0.0058	0.010	5.0	**0.021**	0.17	0.13	0.00061	885	0.31	**2900**	0.81	0.011	0.0020	0.0018
	February		0.0052	0.010	5.2	**0.017**	0.14	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	March		0.0070	0.0099	4.8	**0.027**	0.27	0.12	0.00058	885	0.30	**2899**	0.76	0.011	0.0019	0.0017
	April		0.0067	0.0098	4.4	**0.034**	0.27	0.12	0.00058	885	0.30	**2899**	0.73	0.010	0.0019	0.0017
	May	**2045**	0.0080	0.0090	4.0	**0.040**	0.39	0.11	0.00054	885	0.28	**2900**	0.67	0.0096	0.0017	0.0016
	June		0.0082	0.0089	3.9	**0.042**	0.41	0.11	0.00053	886	0.29	**2902**	0.67	0.0096	0.0017	0.0016
	July		0.0076	0.0087	3.9	**0.042**	0.38	0.11	0.00052	885	0.28	**2902**	0.66	0.0095	0.0017	0.0016
	August		0.0074	0.0094	4.2	**0.040**	0.34	0.11	0.00056	886	0.30	**2903**	0.69	0.010	0.0018	0.0017
	September		0.0074	0.0097	4.3	**0.036**	0.32	0.12	0.00058	885	0.30	**2901**	0.72	0.010	0.0019	0.0017

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	0.12	3.8	0.040	0.0000076	456	56	0.00036	0.0040	0.0038	0.025	0.000072	0.27	56	0.014	0.000072
	November		0.12	4.1	0.042	0.0000078	456	56	0.00038	0.0041	0.0039	0.026	0.000076	0.21	59	0.014	0.000053
	December		0.12	4.3	0.040	0.0000075	456	55	0.00036	0.0040	0.0038	0.026	0.000073	0.20	61	0.014	0.000039
	January	**2046**	0.11	3.9	0.039	0.0000074	456	56	0.00035	0.0039	0.0037	0.025	0.000071	0.22	57	0.014	0.000068
	February		0.12	4.2	0.041	0.0000078	456	54	0.00037	0.0041	0.0039	0.026	0.000075	0.21	59	0.014	0.000048
	March		0.12	4.0	0.041	0.0000077	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.23	57	0.014	0.000062
	April		0.12	4.1	0.041	0.0000078	456	55	0.00037	0.0041	0.0039	0.026	0.000075	0.24	57	0.014	0.000059
	May		0.10	3.5	0.036	0.0000069	456	57	0.00033	0.0036	0.0034	0.023	0.000065	0.37	51	0.012	0.000096
	June		0.10	3.5	0.036	0.0000070	456	58	0.00033	0.0036	0.0034	0.023	0.000066	0.40	51	0.013	0.000098
	July		0.100	3.3	0.034	0.0000066	457	60	0.00031	0.0035	0.0032	0.022	0.000062	0.44	48	0.012	0.00011
	August		0.10	3.3	0.035	0.0000068	456	61	0.00031	0.0035	0.0033	0.022	0.000063	0.48	49	0.012	0.00013
	September		0.10	3.3	0.035	0.0000067	456	60	0.00031	0.0035	0.0033	0.022	0.000063	0.41	50	0.012	0.00012
	October		0.10	3.5	0.036	0.0000069	455	58	0.00033	0.0037	0.0034	0.023	0.000066	0.34	51	0.013	0.00010
	November		0.11	3.9	0.040	0.0000075	456	57	0.00036	0.0040	0.0037	0.025	0.000072	0.21	56	0.014	0.000089
	December		0.12	4.3	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000038
	January	**2047**	0.12	4.4	0.041	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000035
	February		0.12	4.5	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.11	3.6	0.037	0.0000070	456	55	0.00033	0.0037	0.0035	0.023	0.000066	0.34	50	0.013	0.000088
	April		0.11	3.8	0.039	0.0000075	456	56	0.00036	0.0039	0.0037	0.025	0.000072	0.26	55	0.014	0.000075
	May		0.11	3.5	0.036	0.0000070	456	57	0.00033	0.0036	0.0034	0.023	0.000066	0.40	52	0.013	0.000088
	June		0.11	3.6	0.037	0.0000072	456	58	0.00034	0.0038	0.0035	0.024	0.000068	0.30	53	0.013	0.000094
	July		0.098	3.2	0.034	0.0000065	456	59	0.00031	0.0034	0.0032	0.021	0.000061	0.46	48	0.012	0.00011
	August		0.099	3.2	0.034	0.0000066	457	62	0.00031	0.0035	0.0032	0.022	0.000062	0.48	49	0.012	0.00013
	September		0.10	3.4	0.036	0.0000069	456	58	0.00032	0.0036	0.0034	0.023	0.000065	0.35	50	0.012	0.00010
	October		0.11	3.7	0.038	0.0000073	456	60	0.00035	0.0039	0.0036	0.024	0.000069	0.26	57	0.013	0.000097
	November		0.12	4.0	0.041	0.0000077	456	55	0.00037	0.0041	0.0039	0.026	0.000074	0.23	57	0.014	0.000061
	December		0.12	4.3	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.15	63	0.014	0.000033
	January	**2048**	0.12	4.2	0.041	0.0000077	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.20	59	0.014	0.000051
	February		0.12	4.3	0.041	0.0000077	456	54	0.00037	0.0040	0.0039	0.026	0.000074	0.19	60	0.014	0.000046
	March		0.12	4.3	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.17	62	0.014	0.000037
	April		0.12	4.0	0.041	0.0000077	456	55	0.00037	0.0041	0.0038	0.026	0.000074	0.26	55	0.014	0.000070
	May		0.12	3.9	0.040	0.0000076	456	56	0.00036	0.0040	0.0038	0.026	0.000073	0.26	56	0.014	0.000069
	June		0.11	3.8	0.039	0.0000074	456	57	0.00035	0.0039	0.0037	0.025	0.000071	0.29	55	0.014	0.000078
	July		0.098	3.2	0.034	0.0000067	457	62	0.00031	0.0034	0.0032	0.021	0.000061	0.79	48	0.012	0.00013
	August		0.095	3.1	0.033	0.0000064	457	65	0.00030	0.0034	0.0031	0.021	0.000060	0.47	48	0.011	0.00014
	September		0.096	3.1	0.033	0.0000065	457	64	0.00030	0.0034	0.0031	0.021	0.000060	0.43	47	0.012	0.00014
	October		0.10	3.4	0.035	0.0000068	456	57	0.00032	0.0036	0.0033	0.022	0.000063	0.26	50	0.012	0.00012
	November		0.11	3.7	0.039	0.0000074	456	58	0.00035	0.0039	0.0037	0.025	0.000070	0.22	56	0.014	0.000095
	December		0.12	3.9	0.040	0.0000076	456	56	0.00037	0.0040	0.0038	0.026	0.000073	0.26	55	0.014	0.000076
	January	**2049**	0.12	4.3	0.041	0.0000077	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.15	62	0.014	0.000041
	February		0.12	4.5	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000033
	March		0.11	4.1	0.039	0.0000074	456	55	0.00035	0.0038	0.0037	0.025	0.000071	0.26	57	0.013	0.000054
	April		0.12	3.9	0.040	0.0000076	456	56	0.00036	0.0040	0.0038	0.025	0.000073	0.22	56	0.014	0.000076
	May		0.11	3.6	0.037	0.0000072	456	59	0.00034	0.0038	0.0035	0.024	0.000068	0.38	53	0.013	0.000094
	June		0.10	3.3	0.035	0.0000067	456	59	0.00032	0.0035	0.0033	0.022	0.000063	0.40	49	0.012	0.00011
	July		0.095	3.1	0.033	0.0000065	457	63	0.00030	0.0034	0.0031	0.021	0.000060	0.57	47	0.011	0.00014
	August		0.098	3.2	0.034	0.0000066	456	63	0.00031	0.0035	0.0032	0.021	0.000061	0.47	48	0.012	0.00014
	September		0.099	3.2	0.034	0.0000067	456	62	0.00031	0.0035	0.0032	0.022	0.000062	0.54	49	0.012	0.00013
	October		0.098	3.2	0.034	0.0000066	456	62	0.00031	0.0035	0.0032	0.022	0.000061	0.38	49	0.012	0.00013
	November		0.11	3.7	0.038	0.0000073	455	57	0.00035	0.0039	0.0036	0.024	0.000069	0.21	54	0.013	0.00010
	December		0.12	4.1	0.041	0.0000077	456	58	0.00037	0.0040	0.0038	0.026	0.000074	0.16	63	0.014	0.000060
	January	**2050**	0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000036
	February		0.12	4.2	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000037
	March		0.11	3.7	0.038	0.0000072	456	56	0.00034	0.0038	0.0036	0.024	0.000068	0.30	54	0.013	0.000076
	April		0.10	3.3	0.036	0.0000069	456	58	0.00032	0.0036	0.0034	0.023	0.000065	0.35	51	0.012	0.00010
	May		0.11	3.5	0.038	0.0000072	456	57	0.00034	0.0038	0.0036	0.024	0.000069	0.30	53	0.013	0.000090
	June		0.10	3.3	0.036	0.0000069	456	59	0.00032	0.0036	0.0034	0.023	0.000065	0.39	50	0.012	0.00011
	July		0.11	3.7	0.039	0.0000075	456	58	0.00036	0.0039	0.0037	0.025	0.000071	0.28	57	0.014	0.000081
	August		0.11	3.6	0.039	0.0000075	456	58	0.00036	0.0039	0.0037	0.025	0.000072	0.28	55	0.014	0.000084
	September		0.10	3.2	0.035	0.0000068	456	59	0.00032	0.0035	0.0033	0.022	0.000063	0.42	49	0.012	0.00011
	October		0.11	3.7	0.040	0.0000076	456	58	0.00036	0.0040	0.0037	0.025	0.000072	0.24	56	0.014	0.000088
	November		0.12	3.9	0.041	0.0000078	456	56	0.00037	0.0041	0.0039	0.026	0.000075	0.22	59	0.014	0.000062
	December		0.12	4.2	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000037

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	October	2045	0.0069	0.010	4.5	**0.031**	0.27	0.12	0.00060	885	0.30	**2899**	0.75	0.011	0.0019	0.0018
	November		0.0062	0.011	4.8	**0.025**	0.21	0.13	0.00062	885	0.31	**2900**	0.80	0.011	0.0020	0.0019
	December		0.0060	0.010	5.1	**0.021**	0.19	0.13	0.00059	885	0.32	**2899**	0.82	0.011	0.0020	0.0018
	January	2046	0.0060	0.0099	4.6	**0.029**	0.22	0.12	0.00059	885	0.31	**2899**	0.77	0.011	0.0019	0.0018
	February		0.0063	0.011	4.9	**0.023**	0.21	0.13	0.00061	885	0.31	**2900**	0.79	0.011	0.0020	0.0018
	March		0.0065	0.010	4.7	**0.027**	0.23	0.13	0.00061	885	0.30	**2901**	0.76	0.011	0.0020	0.0018
	April		0.0066	0.010	4.8	**0.027**	0.24	0.13	0.00061	885	0.30	**2900**	0.76	0.011	0.0020	0.0018
	May		0.0079	0.0092	4.1	**0.038**	0.38	0.11	0.00055	885	0.29	**2901**	0.69	0.0099	0.0018	0.0016
	June		0.0084	0.0092	4.1	**0.039**	0.41	0.11	0.00055	885	0.29	**2901**	0.69	0.0099	0.0018	0.0016
	July		0.0085	0.0087	3.8	**0.045**	0.45	0.11	0.00053	886	0.28	**2903**	0.65	0.0095	0.0017	0.0016
	August		0.0092	0.0089	3.9	**0.048**	0.49	0.11	0.00054	886	0.29	**2903**	0.66	0.0096	0.0017	0.0016
	September		0.0082	0.0088	3.9	**0.045**	0.41	0.11	0.00053	886	0.29	**2903**	0.66	0.0096	0.0017	0.0016
	October		0.0074	0.0092	4.1	**0.040**	0.35	0.11	0.00055	884	0.29	**2897**	0.68	0.0098	0.0018	0.0016
	November		0.0059	0.010	4.5	**0.033**	0.20	0.12	0.00060	885	0.31	**2899**	0.74	0.011	0.0019	0.0018
	December		0.0054	0.010	5.0	**0.020**	0.15	0.13	0.00060	885	0.32	**2899**	0.84	0.011	0.0020	0.0018
	January	2047	0.0055	0.010	5.2	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.83	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	March		0.0076	0.0093	4.2	**0.036**	0.34	0.11	0.00055	884	0.28	**2898**	0.68	0.0099	0.0018	0.0017
	April		0.0067	0.010	4.5	**0.031**	0.26	0.12	0.00059	885	0.30	**2901**	0.74	0.011	0.0019	0.0018
	May		0.0084	0.0093	4.2	**0.037**	0.41	0.11	0.00055	886	0.29	**2902**	0.70	0.0100	0.0018	0.0016
	June		0.0070	0.0095	4.2	**0.037**	0.30	0.12	0.00057	885	0.30	**2901**	0.70	0.010	0.0018	0.0017
	July		0.0088	0.0086	3.8	**0.045**	0.47	0.11	0.00052	886	0.28	**2902**	0.65	0.0094	0.0016	0.0015
	August		0.0090	0.0087	3.8	**0.049**	0.49	0.11	0.00053	886	0.29	**2904**	0.66	0.0095	0.0017	0.0016
	September		0.0075	0.0091	4.0	**0.040**	0.35	0.11	0.00055	885	0.29	**2901**	0.67	0.0098	0.0018	0.0016
	October		0.0064	0.0098	4.4	**0.036**	0.25	0.12	0.00058	885	0.31	**2900**	0.75	0.011	0.0019	0.0017
	November		0.0065	0.010	4.8	**0.027**	0.23	0.13	0.00061	885	0.31	**2900**	0.77	0.011	0.0020	0.0018
	December		0.0053	0.010	5.1	**0.018**	0.14	0.13	0.00060	885	0.32	**2900**	0.85	0.012	0.0020	0.0018
	January	2048	0.0061	0.010	4.9	**0.023**	0.20	0.13	0.00061	885	0.31	**2899**	0.79	0.011	0.0020	0.0018
	February		0.0060	0.010	5.1	**0.022**	0.18	0.13	0.00061	885	0.31	**2900**	0.80	0.011	0.0020	0.0018
	March		0.0057	0.010	5.1	**0.019**	0.16	0.13	0.00060	885	0.32	**2900**	0.83	0.011	0.0020	0.0018
	April		0.0069	0.010	4.7	**0.029**	0.26	0.13	0.00061	884	0.30	**2898**	0.74	0.011	0.0020	0.0018
	May		0.0068	0.010	4.5	**0.029**	0.26	0.13	0.00060	885	0.31	**2901**	0.76	0.011	0.0020	0.0018
	June		0.0071	0.0099	4.5	**0.032**	0.30	0.12	0.00059	886	0.30	**2902**	0.74	0.011	0.0019	0.0018
	July		0.014	0.0086	3.7	**0.051**	0.83	0.11	0.00052	886	0.28	**2905**	0.65	0.0095	0.0016	0.0015
	August		0.0087	0.0084	3.6	**0.054**	0.48	0.10	0.00051	887	0.29	**2905**	0.65	0.0093	0.0016	0.0015
	September		0.0083	0.0084	3.6	**0.052**	0.43	0.10	0.00051	887	0.28	**2906**	0.64	0.0092	0.0016	0.0015
	October		0.0063	0.0089	4.0	**0.041**	0.26	0.11	0.00054	885	0.29	**2899**	0.66	0.0095	0.0017	0.0016
	November		0.0060	0.0099	4.4	**0.034**	0.21	0.12	0.00059	885	0.31	**2898**	0.73	0.011	0.0019	0.0018
	December		0.0068	0.010	4.6	**0.031**	0.25	0.13	0.00061	885	0.30	**2899**	0.74	0.011	0.0020	0.0018
	January	2049	0.0055	0.010	5.0	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.84	0.012	0.0020	0.0018
	February		0.0053	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.85	0.011	0.0020	0.0018
	March		0.0069	0.0099	4.9	**0.025**	0.26	0.12	0.00058	885	0.30	**2900**	0.77	0.011	0.0019	0.0017
	April		0.0063	0.010	4.5	**0.030**	0.22	0.12	0.00060	885	0.30	**2900**	0.74	0.011	0.0020	0.0018
	May		0.0082	0.0095	4.3	**0.037**	0.38	0.12	0.00057	885	0.30	**2901**	0.71	0.010	0.0018	0.0017
	June		0.0082	0.0089	3.9	**0.042**	0.41	0.11	0.00053	886	0.29	**2902**	0.66	0.0096	0.0017	0.0016
	July		0.010	0.0084	3.6	**0.052**	0.59	0.10	0.00051	887	0.29	**2905**	0.64	0.0093	0.0016	0.0015
	August		0.0090	0.0086	3.8	**0.051**	0.48	0.11	0.00053	886	0.29	**2902**	0.65	0.0094	0.0017	0.0016
	September		0.010	0.0087	3.8	**0.050**	0.56	0.11	0.00053	886	0.29	**2902**	0.65	0.0095	0.0017	0.0016
	October		0.0077	0.0087	3.8	**0.048**	0.38	0.11	0.00053	886	0.29	**2902**	0.65	0.0094	0.0017	0.0016
	November		0.0057	0.0097	4.4	**0.035**	0.20	0.12	0.00058	884	0.30	**2897**	0.70	0.010	0.0019	0.0017
	December		0.0055	0.010	4.8	**0.024**	0.15	0.13	0.00061	885	0.33	**2899**	0.84	0.011	0.0020	0.0018
	January	2050	0.0053	0.010	5.1	**0.017**	0.14	0.13	0.00060	885	0.33	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0054	0.010	5.0	**0.017**	0.14	0.13	0.00060	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	March		0.0072	0.0096	4.3	**0.030**	0.30	0.12	0.00057	885	0.30	**2899**	0.72	0.010	0.0018	0.0017
	April		0.0077	0.0091	3.9	**0.039**	0.35	0.11	0.00054	885	0.29	**2899**	0.69	0.0098	0.0017	0.0016
	May		0.0071	0.0096	4.1	**0.034**	0.30	0.12	0.00057	885	0.30	**2900**	0.72	0.010	0.0019	0.0017
	June		0.0082	0.0091	3.9	**0.041**	0.40	0.11	0.00055	885	0.29	**2901**	0.67	0.0097	0.0017	0.0016
	July		0.0071	0.010	4.3	**0.031**	0.28	0.12	0.00059	886	0.31	**2903**	0.76	0.011	0.0019	0.0018
	August		0.0071	0.010	4.2	**0.032**	0.28	0.12	0.00059	886	0.31	**2903**	0.74	0.011	0.0019	0.0018
	September		0.0086	0.0089	3.8	**0.042**	0.43	0.11	0.00053	886	0.29	**2902**	0.66	0.0096	0.0017	0.0016
	October		0.0064	0.010	4.3	**0.033**	0.24	0.12	0.00060	885	0.31	**2900**	0.74	0.011	0.0019	0.0018
	November		0.0064	0.010	4.6	**0.025**	0.21	0.13	0.00061	885	0.31	**2901**	0.79	0.011	0.0020	0.0018
	December		0.0054	0.010	5.0	**0.017**	0.14	0.13	0.00060	885	0.33	**2900**	0.85	0.011	0.0020	0.0018

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000038
	February		0.12	4.1	0.041	0.0000077	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.18	61	0.014	0.000052
	March		0.12	3.8	0.040	0.0000076	456	56	0.00036	0.0040	0.0038	0.025	0.000073	0.23	57	0.014	0.000069
	April		0.098	3.1	0.034	0.0000067	456	61	0.00031	0.0034	0.0032	0.021	0.000061	0.78	47	0.012	0.00013
	May		0.100	3.1	0.034	0.0000067	457	64	0.00031	0.0035	0.0032	0.022	0.000062	0.30	49	0.012	0.00014
	June		0.10	3.3	0.036	0.0000070	456	60	0.00033	0.0037	0.0034	0.023	0.000065	0.34	51	0.013	0.00012
	July		0.099	3.1	0.034	0.0000066	457	60	0.00031	0.0035	0.0032	0.022	0.000062	0.47	49	0.012	0.00012
	August		0.097	3.0	0.034	0.0000066	457	64	0.00030	0.0035	0.0032	0.021	0.000061	0.48	48	0.012	0.00015
	September		0.10	3.2	0.035	0.0000068	456	59	0.00032	0.0036	0.0033	0.022	0.000064	0.35	50	0.012	0.00012
	October		0.11	3.4	0.037	0.0000070	456	58	0.00033	0.0037	0.0034	0.023	0.000066	0.30	52	0.013	0.00011
	November		0.11	3.6	0.039	0.0000075	456	59	0.00036	0.0040	0.0037	0.025	0.000071	0.25	56	0.014	0.000094
	December		0.12	3.9	0.041	0.0000078	456	56	0.00038	0.0041	0.0039	0.026	0.000075	0.21	60	0.014	0.000060
	January	**2052**	0.059	4.7	0.020	0.0000040	458	52	0.00018	0.0020	0.0019	0.013	0.000037	0.19	55	0.0071	0.000056
	February		0.061	5.4	0.021	0.0000041	459	49	0.00019	0.0021	0.0020	0.013	0.000038	0.14	55	0.0073	0.000040
	March		0.054	4.8	0.019	0.0000037	458	51	0.00017	0.0019	0.0018	0.012	0.000034	0.22	54	0.0065	0.000051
	April		0.045	3.9	0.016	0.0000032	457	54	0.00014	0.0016	0.0015	0.0099	0.000028	0.29	47	0.0055	0.000099
	May		0.040	3.5	0.014	0.0000029	457	57	0.00013	0.0015	0.0013	0.0088	0.000025	0.38	48	0.0049	0.00010
	June		0.044	3.8	0.015	0.0000032	457	56	0.00014	0.0016	0.0014	0.0097	0.000028	0.29	52	0.0054	0.000093
	July		0.036	3.1	0.013	0.0000027	457	58	0.00011	0.0013	0.0012	0.0079	0.000023	0.51	46	0.0044	0.00012
	August		0.037	3.2	0.013	0.0000027	457	59	0.00012	0.0014	0.0012	0.0081	0.000023	0.38	48	0.0045	0.00012
	September		0.049	4.2	0.017	0.0000035	458	54	0.00015	0.0018	0.0016	0.011	0.000031	0.23	49	0.0060	0.00010
	October		0.053	4.6	0.018	0.0000036	458	53	0.00016	0.0018	0.0017	0.012	0.000033	0.23	52	0.0063	0.000074
	November		0.062	5.5	0.021	0.0000041	458	47	0.00019	0.0021	0.0020	0.014	0.000039	0.13	53	0.0074	0.000038
	December		0.053	4.7	0.018	0.0000037	458	52	0.00017	0.0018	0.0017	0.012	0.000033	0.19	55	0.0064	0.000056
		MINIMUM	0.036	3.0	0.013	0.0000027	426	47	0.00011	0.0013	0.0012	0.0079	0.000023	0.13	46	0.0044	0.0000099
		MAXIMUM	0.12	6.2	0.042	0.0000078	459	76	0.00038	0.0041	0.0039	0.026	0.000076	0.79	78	0.014	0.00015
		AVERAGE	0.11	3.9	0.037	0.0000070	456	57	0.00033	0.0037	0.0035	0.023	0.000067	0.30	56	0.013	0.000077
Decommissioning	**January**	**2053**	0.0037	5.0	0.0013	0.00000047	394	71	0.000011	0.00017	0.00012	0.00082	0.0000023	0.25	77	0.00050	0.000056
	February		0.0000063	4.8	0.000020	0.00000015	442	75	5.1E-08	0.0000047	0.00000049	0.000021	1.3E-08	0.19	89	0.000042	0.000025
	March		0.0000059	4.7	0.000033	0.00000027	412	74	7.5E-08	0.000028	0.0000015	0.000020	1.2E-08	0.43	83	0.000055	0.000041
	April		0.0000042	4.7	0.000047	0.00000034	284	72	0.00000018	0.00016	0.0000059	0.000016	8.2E-09	0.37	60	0.00013	0.00013
	May		0.0000047	4.6	0.000043	0.00000036	323	73	0.00000017	0.00016	0.0000059	0.000017	9.3E-09	0.38	68	0.00013	0.00011
	June		0.0000054	4.5	0.000036	0.00000028	370	74	0.00000012	0.000083	0.0000033	0.000018	1.1E-08	0.34	76	0.000086	0.000075
	July		0.0000049	4.4	0.000045	0.00000035	332	74	0.00000015	0.00012	0.0000048	0.000017	9.6E-09	0.43	69	0.00011	0.00010
	August		0.0000047	4.3	0.000053	0.00000042	318	73	0.00000016	0.00013	0.0000051	0.000017	9.2E-09	0.60	66	0.00011	0.00011
	September		0.0000040	4.2	0.000060	0.00000043	264	73	0.0000002	0.00017	0.0000065	0.000016	7.7E-09	0.55	56	0.00014	0.00015
	October		0.0000046	4.2	0.000044	0.00000038	310	73	0.00000018	0.00017	0.0000065	0.000016	8.9E-09	0.38	66	0.00014	0.00012
	November		0.0000048	4.2	0.000038	0.00000034	334	73	0.00000016	0.00016	0.0000059	0.000016	9.6E-09	0.33	70	0.00012	0.00011
	December		0.0000063	4.0	0.000021	0.00000016	436	75	5.6E-08	0.000012	0.00000076	0.000020	1.3E-08	0.20	88	0.000045	0.000031
	January	**2054**	0.0000047	3.9	0.000017	0.00000013	440	74	4.1E-08	0.0000038	0.00000039	0.000019	1.2E-08	0.19	89	0.000040	0.000020
	February		0.0000041	3.8	0.000015	0.00000012	438	74	3.7E-08	0.0000036	0.00000035	0.000019	1.2E-08	0.19	88	0.000039	0.000018
	March		0.0000035	3.8	0.000032	0.00000025	366	73	0.00000011	0.000083	0.0000033	0.000017	9.7E-09	0.35	75	0.000085	0.000070
	April		0.0000033	3.7	0.000038	0.0000003	338	72	0.00000013	0.00010	0.0000041	0.000016	9.0E-09	0.40	70	0.000096	0.000088
	May		0.0000031	3.6	0.000041	0.00000034	307	71	0.00000016	0.00015	0.0000057	0.000015	8.3E-09	0.40	65	0.00012	0.00011
	June		0.0000035	3.5	0.000034	0.00000028	363	74	0.00000012	0.000100	0.0000038	0.000017	9.7E-09	0.35	75	0.000094	0.000079
	July		0.0000032	3.4	0.000042	0.00000033	325	73	0.00000015	0.00013	0.0000050	0.000016	8.7E-09	0.43	68	0.00011	0.00010
	August		0.0000027	3.3	0.000061	0.00000046	266	72	0.00000019	0.00016	0.0000063	0.000015	7.2E-09	0.68	57	0.00013	0.00014
	September		0.0000031	3.3	0.000043	0.00000035	304	72	0.00000017	0.00017	0.0000062	0.000015	8.1E-09	0.39	64	0.00013	0.00012
	October		0.0000032	3.2	0.000037	0.00000033	325	72	0.00000016	0.00016	0.0000060	0.000015	8.7E-09	0.34	69	0.00013	0.00011
	November		0.0000034	3.1	0.000034	0.00000028	350	72	0.00000012	0.00010	0.0000040	0.000016	9.3E-09	0.36	73	0.000095	0.000083
	December		0.0000040	3.0	0.000020	0.00000016	419	74	5.7E-08	0.000027	0.0000012	0.000018	1.1E-08	0.23	85	0.000053	0.000033
	January	**2055**	0.0000038	2.9	0.000016	0.00000014	422	73	6.2E-08	0.000044	0.0000018	0.000018	1.1E-08	0.20	86	0.000061	0.000033
	February		0.0000038	2.8	0.000015	0.00000012	427	74	5.3E-08	0.000033	0.0000014	0.000018	1.1E-08	0.19	87	0.000054	0.000030
	March		0.0000039	2.7	0.000013	9.4E-08	440	74	3.4E-08	0.0000035	0.00000034	0.000018	1.1E-08	0.19	88	0.000039	0.000015
	April		0.0000032	2.7	0.000023	0.00000027	349	70	0.00000014	0.00017	0.0000061	0.000014	9.1E-09	0.20	73	0.00013	0.000087
	May		0.0000032	2.6	0.000023	0.00000028	360	73	0.00000015	0.00018	0.0000064	0.000015	9.4E-09	0.19	76	0.00013	0.000093
	June		0.0000032	2.6	0.000025	0.00000029	361	74	0.00000016	0.00019	0.0000069	0.000015	9.3E-09	0.21	76	0.00014	0.000099
	July		0.0000030	2.5	0.000026	0.00000033	316	69	0.00000019	0.00023	0.0000083	0.000013	8.3E-09	0.19	68	0.00016	0.00012
	August		0.0000031	2.4	0.000027	0.00000034	333	73	0.00000019	0.00024	0.0000087	0.000014	8.7E-09	0.18	72	0.00017	0.00012
	September		0.0000032	2.3	0.000026	0.00000032	358	75	0.00000018	0.00022	0.0000079	0.000015	9.3E-09	0.19	77	0.00015	0.00011
	October		0.0000033	2.2	0.000025	0.0000003	370	76	0.00000016	0.00020	0.0000071	0.000015	9.6E-09	0.19	79	0.00014	0.00010
	November		0.0000036	2.1	0.000020	0.00000021	403	76	0.00000011	0.00011	0.0000042	0.000017	1.1E-08	0.19	83	0.000097	0.000067
	December		0.0000038	2.0	0.000015	0.00000013	424	73	5.4E-08	0.000033	0.0000014	0.000018	1.1E-08	0.19	86	0.000055	0.000029

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.0054	0.010	5.0	**0.017**	0.13	0.13	0.00060	885	0.33	**2900**	0.85	0.011	0.0020	0.0018
	February		0.0060	0.010	4.8	**0.021**	0.17	0.13	0.00061	885	0.32	**2900**	0.82	0.011	0.0020	0.0018
	March		0.0066	0.010	4.5	**0.027**	0.23	0.13	0.00060	884	0.31	**2898**	0.77	0.011	0.0020	0.0018
	April		0.014	0.0086	3.6	**0.050**	0.82	0.11	0.00052	885	0.28	**2899**	0.64	0.0094	0.0017	0.0015
	May		0.0067	0.0088	3.6	**0.049**	0.29	0.11	0.00053	886	0.30	**2903**	0.66	0.0096	0.0017	0.0016
	June		0.0075	0.0092	3.9	**0.041**	0.34	0.11	0.00055	885	0.30	**2901**	0.68	0.0098	0.0018	0.0016
	July		0.0092	0.0087	3.6	**0.045**	0.48	0.11	0.00052	886	0.29	**2904**	0.66	0.0094	0.0017	0.0016
	August		0.0091	0.0086	3.5	**0.053**	0.49	0.10	0.00052	886	0.29	**2904**	0.64	0.0094	0.0016	0.0015
	September		0.0076	0.0090	3.8	**0.042**	0.35	0.11	0.00054	885	0.30	**2901**	0.67	0.0097	0.0017	0.0016
	October		0.0070	0.0093	3.9	**0.038**	0.29	0.11	0.00056	884	0.30	**2898**	0.68	0.0099	0.0018	0.0017
	November		0.0066	0.010	4.3	**0.033**	0.24	0.12	0.00060	884	0.32	**2898**	0.75	0.011	0.0019	0.0018
	December		0.0064	0.011	4.6	**0.024**	0.21	0.13	0.00062	885	0.32	**2900**	0.80	0.011	0.0020	0.0018
	January	**2052**	0.0040	0.0052	5.6	**0.023**	0.18	0.074	0.00031	890	0.30	**2915**	0.73	0.0081	0.00100	0.00092
	February		0.0033	0.0054	6.4	**0.018**	0.13	0.077	0.00032	891	0.30	**2920**	0.74	0.0082	0.0010	0.00095
	March		0.0045	0.0048	5.7	**0.022**	0.22	0.070	0.00029	888	0.29	**2911**	0.72	0.0079	0.00092	0.00085
	April		0.0047	0.0040	4.5	**0.036**	0.29	0.059	0.00025	887	0.28	**2906**	0.63	0.0069	0.00076	0.00074
	May		0.0060	0.0035	4.1	**0.039**	0.39	0.055	0.00023	887	0.28	**2906**	0.65	0.0068	0.00068	0.00067
	June		0.0047	0.0039	4.5	**0.034**	0.29	0.060	0.00025	888	0.29	**2909**	0.69	0.0072	0.00075	0.00072
	July		0.0077	0.0032	3.7	**0.045**	0.53	0.051	0.00021	886	0.28	**2904**	0.62	0.0065	0.00061	0.00061
	August		0.0057	0.0033	3.7	**0.043**	0.39	0.052	0.00021	886	0.28	**2905**	0.64	0.0067	0.00062	0.00062
	September		0.0041	0.0043	4.9	**0.035**	0.23	0.063	0.00028	888	0.28	**2910**	0.64	0.0071	0.00083	0.00081
	October		0.0043	0.0046	5.4	**0.028**	0.22	0.068	0.00028	889	0.29	**2912**	0.69	0.0076	0.00089	0.00084
	November		0.0034	0.0055	6.5	**0.017**	0.12	0.077	0.00032	889	0.28	**2915**	0.70	0.0080	0.0011	0.00096
	December		0.0037	0.0047	5.6	**0.023**	0.18	0.070	0.00028	889	0.30	**2914**	0.74	0.0079	0.00090	0.00084
		MINIMUM	0.0033	0.0032	3.5	**0.017**	0.12	0.051	0.00021	827	0.28	**2709**	0.62	0.0065	0.00061	0.00061
		MAXIMUM	0.014	0.011	7.3	**0.055**	0.83	0.13	0.00062	891	0.39	**2920**	1.1	0.013	0.0020	0.0019
		AVERAGE	0.0067	0.0094	4.6	**0.033**	0.30	0.12	0.00056	885	0.30	**2901**	0.75	0.010	0.0018	0.0017
Decommissioning	**January**	**2053**	0.0018	0.00034	5.9	**0.027**	0.25	0.037	0.000033	219	0.39	249	1.0	0.0084	0.000062	0.00011
	February		0.00060	0.0000033	5.7	**0.019**	0.19	0.040	0.0000060	184	0.43	7.7	1.2	0.0095	0.00000012	0.000040
	March		0.0044	0.0000098	5.5	**0.025**	0.44	0.037	0.000010	174	0.41	16	1.1	0.0089	0.00000014	0.000047
	April		0.0029	0.000046	5.5	**0.050**	0.37	0.025	0.000031	118	0.33	60	0.82	0.0064	0.00000021	0.000086
	May		0.0034	0.000046	5.4	**0.044**	0.38	0.029	0.000031	134	0.36	57	0.91	0.0072	0.00000019	0.000085
	June		0.0028	0.000025	5.3	**0.034**	0.34	0.033	0.000019	154	0.39	34	1.0	0.0081	0.00000016	0.000064
	July		0.0041	0.000037	5.2	**0.043**	0.43	0.030	0.000026	139	0.37	49	0.94	0.0075	0.00000019	0.000077
	August		0.0068	0.000038	5.0	**0.046**	0.62	0.028	0.000027	135	0.35	51	0.90	0.0072	0.0000002	0.000078
	September		0.0058	0.000049	5.0	**0.058**	0.56	0.023	0.000034	111	0.32	67	0.77	0.0061	0.00000023	0.000091
	October		0.0033	0.000051	4.9	**0.047**	0.38	0.027	0.000034	129	0.36	63	0.88	0.0069	0.0000002	0.000090
	November		0.0025	0.000046	4.9	**0.042**	0.32	0.030	0.000031	139	0.37	56	0.94	0.0074	0.00000019	0.000085
	December		0.00062	0.0000055	4.7	**0.021**	0.19	0.039	0.0000073	182	0.42	11	1.2	0.0094	0.00000012	0.000042
	January	**2054**	0.00050	0.0000029	4.6	**0.019**	0.19	0.040	0.0000049	184	0.42	5.9	1.2	0.0095	9.8E-08	0.000038
	February		0.00047	0.0000027	4.6	**0.019**	0.19	0.039	0.0000045	183	0.42	5.6	1.2	0.0094	9.0E-08	0.000037
	March		0.0028	0.000025	4.5	**0.034**	0.35	0.032	0.000018	153	0.38	32	1.0	0.0080	0.00000014	0.000062
	April		0.0036	0.000031	4.4	**0.040**	0.41	0.030	0.000022	141	0.36	41	0.95	0.0075	0.00000016	0.000068
	May		0.0037	0.000044	4.2	**0.045**	0.41	0.027	0.000029	128	0.34	55	0.87	0.0069	0.00000017	0.000082
	June		0.0029	0.000030	4.1	**0.037**	0.35	0.033	0.000021	152	0.38	38	1.0	0.0080	0.00000015	0.000068
	July		0.0041	0.000038	4.0	**0.044**	0.44	0.029	0.000026	136	0.36	49	0.92	0.0073	0.00000017	0.000077
	August		0.0078	0.000047	3.9	**0.056**	0.71	0.024	0.000032	113	0.32	64	0.77	0.0062	0.00000021	0.000088
	September		0.0035	0.000048	3.9	**0.048**	0.39	0.027	0.000032	127	0.35	61	0.87	0.0068	0.00000018	0.000087
	October		0.0026	0.000047	3.8	**0.044**	0.34	0.029	0.000031	135	0.36	57	0.92	0.0072	0.00000017	0.000085
	November		0.0029	0.000031	3.7	**0.038**	0.36	0.031	0.000021	147	0.37	41	0.98	0.0077	0.00000015	0.000068
	December		0.00095	0.0000093	3.6	**0.024**	0.22	0.038	0.0000085	175	0.41	14	1.2	0.0091	0.0000001	0.000045
	January	**2055**	0.00046	0.000014	3.5	**0.023**	0.19	0.038	0.000011	176	0.41	16	1.2	0.0091	9.2E-08	0.000049
	February		0.00035	0.000011	3.4	**0.023**	0.19	0.038	0.0000084	178	0.41	15	1.2	0.0092	8.2E-08	0.000046
	March		0.00035	0.0000026	3.3	**0.019**	0.19	0.040	0.0000037	184	0.42	4.9	1.2	0.0095	7.1E-08	0.000037
	April		0.00066	0.000048	3.2	**0.035**	0.19	0.031	0.000030	145	0.37	53	0.98	0.0076	0.00000013	0.000084
	May		0.00041	0.000051	3.1	**0.037**	0.18	0.032	0.000032	149	0.39	56	1.0	0.0078	0.00000014	0.000087
	June		0.00062	0.000055	3.0	**0.038**	0.19	0.032	0.000034	149	0.39	61	1.0	0.0078	0.00000014	0.000092
	July		0.00047	0.000066	2.9	**0.041**	0.17	0.028	0.000041	130	0.36	71	0.89	0.0070	0.00000015	0.00010
	August		0.00039	0.000069	2.8	**0.043**	0.17	0.029	0.000043	137	0.38	75	0.94	0.0074	0.00000016	0.00011
	September		0.00037	0.000063	2.7	**0.041**	0.17	0.032	0.000039	148	0.40	69	1.0	0.0079	0.00000015	0.00010
	October		0.00036	0.000057	2.6	**0.039**	0.18	0.033	0.000035	153	0.40	62	1.0	0.0081	0.00000015	0.000095
	November		0.00035	0.000033	2.5	**0.031**	0.18	0.036	0.000022	167	0.41	39	1.1	0.0088	0.00000011	0.000070
	December		0.00035	0.000011	2.4	**0.022**	0.18	0.039	0.0000085	177	0.41	14	1.2	0.0092	8.2E-08	0.000046

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.0000028	1.9	0.000011	7.4E-08	440	73	2.9E-08	0.0000027	0.00000024	0.000018	1.1E-08	0.19	88	0.000038	0.000012
	February		0.0000025	1.9	0.000010	6.7E-08	439	73	2.8E-08	0.0000025	0.00000021	0.000017	1.1E-08	0.19	88	0.000037	0.000011
	March		0.0000022	1.8	0.000019	0.00000022	387	74	0.00000012	0.00014	0.0000051	0.000015	9.5E-09	0.19	81	0.00011	0.000072
	April		0.0000022	1.8	0.000017	0.00000019	392	74	0.0000001	0.00012	0.0000042	0.000015	9.5E-09	0.19	81	0.000097	0.000064
	May		0.0000023	1.6	0.000017	0.00000018	399	73	9.8E-08	0.00011	0.0000039	0.000016	9.9E-09	0.19	82	0.000093	0.000057
	June		0.0000023	1.6	0.000017	0.00000019	396	74	0.0000001	0.00011	0.0000041	0.000015	9.8E-09	0.19	82	0.000096	0.000062
	July		0.0000021	1.5	0.000022	0.00000027	360	73	0.00000016	0.00019	0.0000069	0.000014	8.9E-09	0.19	76	0.00014	0.000096
	August		0.0000021	1.4	0.000023	0.00000029	355	74	0.00000017	0.00021	0.0000074	0.000014	8.7E-09	0.19	76	0.00015	0.00010
	September		0.0000020	1.3	0.000026	0.00000033	341	74	0.0000002	0.00025	0.0000089	0.000013	8.4E-09	0.18	74	0.00017	0.00012
	October		0.0000021	1.2	0.000023	0.00000028	371	76	0.00000016	0.00020	0.0000073	0.000014	9.2E-09	0.19	79	0.00014	0.00010
	November		0.0000024	1.1	0.000014	0.00000014	415	74	7.1E-08	0.000066	0.0000024	0.000017	1.0E-08	0.19	85	0.000070	0.000042
	December		0.0000025	1.0	0.000010	6.7E-08	438	73	2.8E-08	0.0000026	0.00000022	0.000017	1.1E-08	0.19	88	0.000037	0.000011
	January	**2057**	0.00000078	0.95	0.0000061	3.5E-08	439	72	1.7E-08	0.0000011	7.5E-08	0.000016	1.0E-08	0.19	88	0.000035	0.0000047
	February		0.00000029	0.90	0.0000080	7.8E-08	429	74	4.6E-08	0.000048	0.0000017	0.000015	9.6E-09	0.20	87	0.000059	0.000025
	March		0.00000029	0.80	0.0000049	2.6E-08	439	72	1.4E-08	0.00000092	4.4E-08	0.000015	9.9E-09	0.19	88	0.000035	0.0000032
	April		0.0000003	0.72	0.000016	0.00000022	382	74	0.00000013	0.00017	0.0000061	0.000013	8.6E-09	0.19	80	0.00012	0.000078
	May		0.00000028	0.65	0.000013	0.00000015	403	75	9.4E-08	0.00012	0.0000041	0.000014	9.1E-09	0.19	83	0.000095	0.000058
	June		0.00000029	0.54	0.0000094	9.9E-08	428	74	5.9E-08	0.000067	0.0000023	0.000015	9.8E-09	0.20	87	0.000069	0.000030
	July		0.00000029	0.47	0.000019	0.00000025	376	76	0.00000015	0.00020	0.0000072	0.000013	8.6E-09	0.19	80	0.00014	0.000094
	August		0.00000029	0.40	0.000020	0.00000028	380	78	0.00000017	0.00023	0.0000079	0.000013	8.6E-09	0.20	81	0.00015	0.00010
	September		0.00000028	0.31	0.000019	0.00000026	386	78	0.00000016	0.00021	0.0000075	0.000013	8.7E-09	0.20	82	0.00015	0.00010
	October		0.00000029	0.22	0.000012	0.00000014	412	75	8.3E-08	0.00010	0.0000036	0.000014	9.4E-09	0.19	85	0.000087	0.000050
	November		0.00000029	0.14	0.0000069	6.0E-08	427	72	3.6E-08	0.000032	0.0000011	0.000015	9.6E-09	0.19	86	0.000051	0.000018
	December		0.00000029	0.058	0.0000063	4.9E-08	433	72	2.8E-08	0.000022	0.00000078	0.000015	9.8E-09	0.19	87	0.000046	0.000012
		MINIMUM	0.00000028	0.058	0.0000049	2.6E-08	264	69	1.4E-08	0.00000092	4.4E-08	0.000013	7.2E-09	0.18	56	0.000035	0.0000032
		MAXIMUM	0.0037	5.0	0.0013	0.00000047	442	78	0.000011	0.00025	0.00012	0.00082	0.0000023	0.68	89	0.00050	0.00015
		AVERAGE	0.000064	2.5	0.000046	0.00000023	378	73	0.0000003	0.00011	0.0000061	0.000029	4.8E-08	0.26	78	0.00010	0.000071

Notes:

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharge

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Table G-5: Scenario 5: Climate Change - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.00027	0.0000022	2.3	**0.019**	0.19	0.040	0.0000029	184	0.42	3.9	1.2	0.0095	5.7E-08	0.000036
	February		0.00025	0.0000020	2.2	**0.019**	0.19	0.040	0.0000027	184	0.41	3.4	1.2	0.0095	5.3E-08	0.000036
	March		0.00030	0.000041	2.2	**0.033**	0.18	0.034	0.000025	161	0.40	44	1.1	0.0083	0.00000011	0.000076
	April		0.00027	0.000034	2.1	**0.031**	0.18	0.034	0.000021	163	0.40	38	1.1	0.0084	9.7E-08	0.000069
	May		0.00028	0.000031	1.9	**0.029**	0.18	0.036	0.000020	166	0.40	33	1.1	0.0087	9.5E-08	0.000067
	June		0.00027	0.000033	1.9	**0.031**	0.18	0.035	0.000021	164	0.40	37	1.1	0.0085	9.7E-08	0.000068
	July		0.00030	0.000056	1.8	**0.038**	0.17	0.032	0.000034	149	0.39	60	1.0	0.0078	0.00000013	0.000092
	August		0.00032	0.000060	1.7	**0.040**	0.17	0.031	0.000037	147	0.39	65	1.00	0.0077	0.00000013	0.000096
	September		0.00026	0.000072	1.6	**0.045**	0.17	0.030	0.000043	140	0.39	77	0.97	0.0075	0.00000015	0.00011
	October		0.00023	0.000059	1.5	**0.040**	0.17	0.033	0.000036	153	0.40	64	1.0	0.0081	0.00000013	0.000096
	November		0.00024	0.000020	1.3	**0.026**	0.18	0.038	0.000013	173	0.41	23	1.1	0.0091	7.9E-08	0.000055
	December		0.00025	0.0000021	1.3	**0.019**	0.19	0.040	0.0000027	183	0.41	3.5	1.2	0.0095	5.3E-08	0.000036
	January	**2057**	0.00011	0.0000013	1.2	**0.019**	0.19	0.040	0.0000011	184	0.41	1.7	1.2	0.0095	2.5E-08	0.000034
	February		0.000084	0.000014	1.1	**0.024**	0.19	0.038	0.0000084	179	0.41	16	1.2	0.0092	3.7E-08	0.000047
	March		0.000072	0.0000012	0.97	**0.019**	0.19	0.040	0.00000067	184	0.41	1.4	1.2	0.0095	1.7E-08	0.000033
	April		0.00014	0.000050	0.87	**0.036**	0.18	0.034	0.000029	158	0.40	51	1.1	0.0083	9.1E-08	0.000085
	May		0.000075	0.000034	0.79	**0.032**	0.18	0.036	0.000020	167	0.41	37	1.1	0.0087	6.7E-08	0.000068
	June		0.000089	0.000020	0.67	**0.026**	0.19	0.039	0.000012	179	0.41	19	1.2	0.0094	4.6E-08	0.000054
	July		0.00013	0.000058	0.57	**0.040**	0.18	0.034	0.000034	155	0.40	61	1.1	0.0083	0.00000011	0.000095
	August		0.00011	0.000064	0.49	**0.043**	0.18	0.034	0.000038	157	0.41	68	1.1	0.0083	0.00000011	0.00010
	September		0.000084	0.000061	0.39	**0.042**	0.18	0.034	0.000036	159	0.42	65	1.1	0.0084	0.00000011	0.000099
	October		0.000076	0.000029	0.29	**0.030**	0.18	0.037	0.000017	171	0.41	31	1.1	0.0091	6.1E-08	0.000064
	November		0.000074	0.000010	0.20	**0.023**	0.19	0.038	0.0000059	178	0.41	11	1.2	0.0092	3.0E-08	0.000042
	December		0.000075	0.0000071	0.10	**0.021**	0.19	0.039	0.0000042	181	0.41	7.0	1.2	0.0094	2.6E-08	0.000040
		MINIMUM	0.000072	0.0000012	0.10	**0.019**	0.17	0.023	0.00000067	111	0.32	1.4	0.77	0.0061	1.7E-08	0.000033
		MAXIMUM	0.0078	0.00034	5.9	**0.058**	0.71	0.040	0.000043	219	0.43	249	1.2	0.0095	0.000062	0.00011
		AVERAGE	0.0014	0.000038	2.9	**0.034**	0.26	0.034	0.000022	158	0.39	42	1.1	0.0083	0.0000011	0.000070

Notes:

Notes:
Bold values represent values greater than the propos
Non-applicable values represent periods of time wher

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2026	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2027	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2028	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	January	2029	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2026**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2027**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2028**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**January**	**2029**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	Month	Year	mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2030	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2031	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2032	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2033	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2034	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2030**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2031**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2032**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**August**		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2033**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2034**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February	**2035**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August	**2035**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June	**2036**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June	**2037**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	**November**		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June	**2038**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June	**2039**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April	**2040**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Operations	April	2035	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2036	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2037	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2038	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2039	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2040	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September	**2040**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2041**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2042**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2043**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2044**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2045**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

Operations

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	July	2040	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2041	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2042	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	January	2043	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2044	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2045	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October	2045	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2046	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2047	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2048	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2049	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2050	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	October	2045	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2046	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2047	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2048	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2049	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2050	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2051**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	**December**		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2052**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2053**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Decommissioning	**July**	**2054**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2055**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2052**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Decommissioning	**January**	**2053**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2054**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2055**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

GOLDER
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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2056**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Decommissioning	**December**		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2057**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0017	0.0063	0.000019	0.0000016	0.030	0.048	0.0000080	0.000031	0.0000064	0.0010	0.0000016	0.00033	0.0089	0.0028	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.018	0.069	0.00021	0.000017	0.33	0.52	0.000088	0.00034	0.000070	0.011	0.000018	0.0036	0.099	0.031	0.0000016
	April		0.028	0.10	0.00031	0.000026	0.48	0.79	0.00013	0.00052	0.00011	0.016	0.000027	0.0054	0.14	0.047	0.0000024
	May		0.036	0.13	0.00040	0.000034	0.61	1.0	0.00017	0.00067	0.00014	0.021	0.000034	0.0069	0.18	0.061	0.0000030
	June		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	July	**2058**	0.043	0.16	0.00049	0.000041	0.74	1.2	0.00021	0.00082	0.00016	0.026	0.000041	0.0083	0.22	0.074	0.0000037
	August		0.045	0.17	0.00051	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	September		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	October		0.032	0.12	0.00036	0.000030	0.55	0.91	0.00015	0.00060	0.00012	0.019	0.000031	0.0062	0.16	0.054	0.0000027
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		0.0019	0.0070	0.000021	0.0000018	0.032	0.053	0.0000089	0.000035	0.0000071	0.0011	0.0000018	0.00036	0.0095	0.0032	0.00000016
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	April		0.023	0.085	0.00026	0.000021	0.39	0.64	0.00011	0.00043	0.000086	0.013	0.000022	0.0044	0.12	0.039	0.0000019
	May		0.037	0.14	0.00042	0.000035	0.63	1.1	0.00018	0.00070	0.00014	0.022	0.000035	0.0071	0.19	0.063	0.0000032
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
Reclamation	**July**	**2059**	0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	August		0.034	0.13	0.00039	0.000032	0.59	0.98	0.00016	0.00065	0.00013	0.020	0.000033	0.0066	0.18	0.059	0.0000029
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000013	0.0021	0.0000033	0.00067	0.018	0.0059	0.0000003
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0051	0.019	0.000057	0.0000048	0.087	0.14	0.000024	0.000095	0.000019	0.0030	0.0000048	0.00097	0.026	0.0086	0.00000043
	April		0.019	0.072	0.00022	0.000018	0.33	0.54	0.000091	0.00036	0.000073	0.011	0.000018	0.0037	0.098	0.033	0.0000016
	May		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July	**2060**	0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	September		0.041	0.15	0.00046	0.000038	0.70	1.2	0.00019	0.00077	0.00016	0.024	0.000039	0.0078	0.21	0.069	0.0000035
	October		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	November		0.010	0.039	0.00012	0.0000099	0.18	0.30	0.000050	0.00020	0.000040	0.0062	0.0000100	0.0020	0.053	0.018	0.00000089
	December		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2057**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Reclamation	**January**	**2058**	0.0000032	0.000041	0.0015	0.000058	0.000082	0.000082	0.0000016	0.015	0.00034	0.062	0.00016	0.0000016	0.0000064	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000035	0.00045	0.017	0.00064	0.00090	0.00091	0.000018	0.17	0.0038	0.69	0.0018	0.000018	0.000070	0.0012
	April		0.000053	0.00068	0.024	0.00092	0.0013	0.0013	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018
	May		0.000068	0.00087	0.031	0.0012	0.0017	0.0017	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00014	0.0024
	June		0.000089	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.7	0.0045	0.000045	0.00018	0.0031
	July		0.000082	0.0011	0.038	0.0014	0.0021	0.0021	0.000041	0.39	0.0086	1.6	0.0041	0.000041	0.00017	0.0029
	August		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0090	1.7	0.0043	0.000044	0.00017	0.0030
	September		0.000056	0.00073	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0059	1.1	0.0028	0.000028	0.00011	0.0020
	October		0.000061	0.00078	0.028	0.0011	0.0015	0.0016	0.000031	0.29	0.0063	1.2	0.0031	0.000031	0.00012	0.0021
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.00025	0.0000050	0.047	0.0010	0.19	0.00050	0.0000050	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		0.0000035	0.000046	0.0016	0.000062	0.000090	0.000090	0.0000018	0.017	0.00037	0.069	0.00018	0.0000018	0.0000071	0.00012
	March		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	April		0.000043	0.00055	0.020	0.00075	0.0011	0.0011	0.000022	0.20	0.0045	0.84	0.0022	0.000022	0.000086	0.0015
	May		0.000070	0.00091	0.033	0.0012	0.0018	0.0018	0.000035	0.33	0.0073	1.4	0.0035	0.000035	0.00014	0.0025
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	August		0.000065	0.00084	0.030	0.0011	0.0017	0.0017	0.000033	0.31	0.0068	1.3	0.0033	0.000033	0.00013	0.0023
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	November		0.0000066	0.000085	0.0031	0.00012	0.00017	0.00017	0.0000033	0.031	0.00069	0.13	0.00033	0.0000033	0.000013	0.00023
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000096	0.00012	0.0044	0.00017	0.00024	0.00024	0.0000048	0.045	0.00100	0.19	0.00048	0.0000048	0.000019	0.00033
	April		0.000036	0.00047	0.017	0.00063	0.00092	0.00093	0.000018	0.17	0.0038	0.71	0.0018	0.000018	0.000073	0.0013
	May		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000076	0.00099	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	August		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	September		0.000077	0.00100	0.036	0.0013	0.0020	0.0020	0.000039	0.36	0.0081	1.5	0.0039	0.000039	0.00016	0.0027
	October		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	November		0.000020	0.00026	0.0092	0.00035	0.00050	0.00051	0.0000100	0.093	0.0021	0.39	0.00100	0.000010	0.000040	0.00069
	December		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.013	0.047	0.00014	0.000012	0.21	0.36	0.000060	0.00024	0.000048	0.0074	0.000012	0.0024	0.064	0.021	0.0000011
	April		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.024	0.091	0.00027	0.000023	0.41	0.68	0.00011	0.00045	0.000092	0.014	0.000023	0.0046	0.12	0.041	0.0000020
	June		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	July	**2061**	0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	November		0.018	0.067	0.00020	0.000017	0.30	0.50	0.000084	0.00033	0.000067	0.010	0.000017	0.0034	0.090	0.030	0.0000015
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	January		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	February		0.0019	0.0070	0.000021	0.0000018	0.032	0.053	0.0000089	0.000035	0.0000071	0.0011	0.0000018	0.00036	0.0095	0.0032	0.00000016
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.010	0.039	0.00012	0.0000099	0.18	0.30	0.000050	0.00020	0.000040	0.0062	0.0000100	0.0020	0.053	0.018	0.00000089
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July	**2062**	0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.037	0.14	0.00042	0.000035	0.63	1.1	0.00018	0.00070	0.00014	0.022	0.000035	0.0071	0.19	0.063	0.0000032
	November		0.019	0.072	0.00022	0.000018	0.33	0.54	0.000091	0.00036	0.000073	0.011	0.000018	0.0037	0.098	0.033	0.0000016
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.010	0.038	0.00011	0.0000095	0.17	0.29	0.000048	0.00019	0.000038	0.0060	0.0000097	0.0019	0.051	0.017	0.00000086
	February		0.0075	0.028	0.000085	0.0000070	0.13	0.21	0.000036	0.00014	0.000028	0.0044	0.0000071	0.0014	0.038	0.013	0.00000064
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	April		0.019	0.072	0.00022	0.000018	0.33	0.54	0.000091	0.00036	0.000073	0.011	0.000018	0.0037	0.098	0.033	0.0000016
	May		0.041	0.15	0.00046	0.000039	0.70	1.2	0.00019	0.00077	0.00016	0.024	0.000039	0.0079	0.21	0.070	0.0000035
	June	**2063**	0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
Reclamation	**August**		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000034
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.039	0.15	0.00044	0.000036	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0074	0.20	0.066	0.0000033
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000095	0.17	0.29	0.000048	0.00019	0.000038	0.0060	0.0000097	0.0019	0.051	0.017	0.00000086
	April		0.013	0.048	0.00014	0.000012	0.22	0.36	0.000060	0.00024	0.000048	0.0075	0.000012	0.0024	0.064	0.021	0.0000011
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000080	0.00032	0.000064	0.0100	0.000016	0.0032	0.086	0.029	0.0000014
	June		0.026	0.099	0.00030	0.000025	0.45	0.74	0.00012	0.00049	0.000099	0.015	0.000025	0.0050	0.13	0.044	0.0000022
	July	**2064**	0.020	0.076	0.00023	0.000019	0.35	0.57	0.000096	0.00038	0.000077	0.012	0.000019	0.0039	0.10	0.034	0.0000017
	August		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	September		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	October		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.044	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	April		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	May		0.032	0.12	0.00036	0.000030	0.55	0.91	0.00015	0.00060	0.00012	0.019	0.000031	0.0062	0.16	0.054	0.0000027
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July	**2065**	0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00024	0.00095	0.00019	0.030	0.000048	0.0097	0.26	0.086	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	November		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	January		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	February	**2066**	0.019	0.070	0.00021	0.000018	0.32	0.53	0.000089	0.00035	0.000071	0.011	0.000018	0.0036	0.095	0.032	0.0000016
	March		0.022	0.083	0.00025	0.000021	0.37	0.62	0.00010	0.00041	0.000083	0.013	0.000021	0.0042	0.11	0.037	0.0000019

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000024	0.00031	0.011	0.00042	0.00061	0.00061	0.000012	0.11	0.0025	0.47	0.0012	0.000012	0.000048	0.00083
	April		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000046	0.00059	0.021	0.00080	0.0012	0.0012	0.000023	0.21	0.0048	0.89	0.0023	0.000023	0.000092	0.0016
	June		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	July	**2061**	0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	November		0.000034	0.00043	0.016	0.00058	0.00085	0.00086	0.000017	0.16	0.0035	0.66	0.0017	0.000017	0.000067	0.0012
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	January		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	February		0.0000035	0.000046	0.0016	0.000062	0.000090	0.000090	0.0000018	0.017	0.00037	0.069	0.00018	0.0000018	0.0000071	0.00012
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.00041	0.0000081	0.075	0.0017	0.31	0.00081	0.0000081	0.000032	0.00056
	April		0.000020	0.00026	0.0092	0.00035	0.00050	0.00051	0.0000100	0.093	0.0021	0.39	0.00100	0.000010	0.000040	0.00069
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	June		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July	**2062**	0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000070	0.00091	0.033	0.0012	0.0018	0.0018	0.000035	0.33	0.0073	1.4	0.0035	0.000035	0.00014	0.0025
	November		0.000036	0.00047	0.017	0.00063	0.00092	0.00093	0.000018	0.17	0.0038	0.71	0.0018	0.000018	0.000073	0.0013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.000019	0.00025	0.0089	0.00033	0.00049	0.00049	0.0000097	0.090	0.0020	0.38	0.00097	0.0000097	0.000039	0.00067
	February		0.000014	0.00018	0.0066	0.00025	0.00036	0.00036	0.0000071	0.066	0.0015	0.28	0.00071	0.0000071	0.000028	0.00049
	March		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	April		0.000036	0.00047	0.017	0.00063	0.00092	0.00093	0.000018	0.17	0.0038	0.71	0.0018	0.000018	0.000073	0.0013
	May		0.000078	0.0010	0.036	0.0014	0.0020	0.0020	0.000039	0.36	0.0081	1.5	0.0039	0.000039	0.00016	0.0027
	June	**2063**	0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
Reclamation	**August**		0.000075	0.00097	0.035	0.0013	0.0019	0.0019	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000073	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0026
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.0089	0.00033	0.00049	0.00049	0.0000097	0.090	0.0020	0.38	0.00097	0.0000097	0.000039	0.00067
	April		0.000024	0.00031	0.011	0.00042	0.00061	0.00061	0.000012	0.11	0.0025	0.47	0.0012	0.000012	0.000048	0.00083
	May		0.000032	0.00041	0.015	0.00056	0.00081	0.00082	0.000016	0.15	0.0033	0.63	0.0016	0.000016	0.000064	0.0011
	June		0.000050	0.00064	0.023	0.00086	0.0013	0.0013	0.000025	0.23	0.0052	0.97	0.0025	0.000025	0.000100	0.0017
	July	**2064**	0.000038	0.00050	0.018	0.00067	0.00097	0.00098	0.000019	0.18	0.0040	0.75	0.0019	0.000019	0.000077	0.0013
	August		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	September		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	October		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.10	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	April		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	May		0.000061	0.00078	0.028	0.0011	0.0015	0.0016	0.000031	0.29	0.0063	1.2	0.0031	0.000031	0.00012	0.0021
	June		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July	**2065**	0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	August		0.000096	0.0012	0.044	0.0017	0.0024	0.0024	0.000048	0.45	0.0100	1.9	0.0048	0.000048	0.00019	0.0033
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0025
	October		0.000067	0.00087	0.031	0.0012	0.0017	0.0017	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00013	0.0023
	November		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	January		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	February	**2066**	0.000035	0.00046	0.016	0.00062	0.00090	0.00090	0.000018	0.17	0.0037	0.69	0.0018	0.000018	0.000071	0.0012
	March		0.000042	0.00054	0.019	0.00072	0.0011	0.0011	0.000021	0.20	0.0043	0.81	0.0021	0.000021	0.000084	0.0014

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.86	0.00014	0.00057	0.00012	0.018	0.000029	0.0058	0.15	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.69	0.00012	0.00046	0.000093	0.014	0.000023	0.0047	0.12	0.041	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.049	0.0000083	0.000033	0.0000066	0.0010	0.0000017	0.00033	0.0089	0.0030	0.00000015
	December		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	January	**2067**	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	February		0.0019	0.0070	0.000021	0.0000018	0.032	0.053	0.0000089	0.000035	0.0000071	0.0011	0.0000018	0.00036	0.0095	0.0032	0.00000016
	March		0.0050	0.019	0.000056	0.0000047	0.085	0.14	0.000024	0.000094	0.000019	0.0029	0.0000048	0.00096	0.025	0.0085	0.00000042
	April		0.028	0.11	0.00032	0.000026	0.48	0.79	0.00013	0.00053	0.00011	0.016	0.000027	0.0054	0.14	0.047	0.0000024
	May		0.029	0.11	0.00033	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.017	0.000028	0.0055	0.15	0.049	0.0000025
	June		0.036	0.13	0.00040	0.000034	0.61	1.0	0.00017	0.00067	0.00014	0.021	0.000034	0.0069	0.18	0.061	0.0000030
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.028	0.000045	0.0091	0.24	0.080	0.0000040
	September		0.048	0.18	0.00055	0.000046	0.83	1.4	0.00023	0.00091	0.00018	0.029	0.000046	0.0093	0.25	0.082	0.0000041
	October		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	November		0.010	0.039	0.00012	0.0000099	0.18	0.30	0.000050	0.00020	0.000040	0.0062	0.0000100	0.0020	0.053	0.018	0.00000089
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0017	0.0063	0.000019	0.0000016	0.029	0.048	0.0000080	0.000031	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0028	0.00000014
		MAXIMUM	0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
		AVERAGE	0.027	0.10	0.00030	0.000025	0.46	0.76	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
Post-Closure	**January**	**≥2070**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		0.00067	0.0025	0.0000075	0.00000063	0.011	0.019	0.0000032	0.000013	0.0000025	0.00039	0.00000064	0.00013	0.0034	0.0011	5.7E-08
	March		0.0051	0.019	0.000057	0.0000048	0.087	0.14	0.000024	0.000095	0.000019	0.0030	0.0000048	0.00097	0.026	0.0086	0.00000043
	April		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00080	0.00016	0.025	0.000040	0.0081	0.22	0.072	0.0000036
	August		0.041	0.15	0.00046	0.000038	0.70	1.2	0.00019	0.00077	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000035
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.033	0.12	0.00037	0.000031	0.56	0.94	0.00016	0.00062	0.00013	0.020	0.000032	0.0063	0.17	0.056	0.0000028
	November		0.023	0.085	0.00026	0.000021	0.39	0.64	0.00011	0.00043	0.000086	0.013	0.000022	0.0044	0.12	0.039	0.0000019
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.00067	0.0025	0.0000075	0.00000063	0.011	0.019	0.0000032	0.000013	0.0000025	0.00039	0.00000064	0.00013	0.0034	0.0011	5.7E-08
		MAXIMUM	0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00080	0.00016	0.025	0.000040	0.0081	0.22	0.072	0.0000036
		AVERAGE	0.029	0.11	0.00033	0.000027	0.50	0.82	0.00014	0.00055	0.00011	0.017	0.000028	0.0056	0.15	0.049	0.0000025

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-6: Scenario 5: Climate Change - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000058	0.00074	0.027	0.0010	0.0015	0.0015	0.000029	0.27	0.0060	1.1	0.0029	0.000029	0.00012	0.0020
	June		0.000040	0.00051	0.018	0.00069	0.0010	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000080	0.0014
	July		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	August	**2066**	0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	September		0.000046	0.00060	0.021	0.00081	0.0012	0.0012	0.000023	0.22	0.0048	0.91	0.0023	0.000023	0.000093	0.0016
	October		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	November		0.0000033	0.000043	0.0015	0.000058	0.000084	0.000084	0.0000017	0.016	0.00034	0.065	0.00017	0.0000017	0.0000066	0.00012
	December		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	January		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
Reclamation	**February**		0.0000035	0.000046	0.0016	0.000062	0.000090	0.000090	0.0000018	0.017	0.00037	0.069	0.00018	0.0000018	0.0000071	0.00012
	March		0.0000094	0.00012	0.0044	0.00016	0.00024	0.00024	0.0000048	0.044	0.00098	0.18	0.00048	0.0000048	0.000019	0.00033
	April		0.000053	0.00068	0.024	0.00092	0.0013	0.0013	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018
	May		0.000055	0.00071	0.025	0.00095	0.0014	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	June		0.000068	0.00088	0.031	0.0012	0.0017	0.0017	0.000034	0.32	0.0071	1.3	0.0034	0.000034	0.00014	0.0024
	July	**2067**	0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
	August		0.000090	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.8	0.0045	0.000045	0.00018	0.0031
	September		0.000092	0.0012	0.043	0.0016	0.0023	0.0023	0.000046	0.43	0.0096	1.8	0.0046	0.000046	0.00018	0.0032
	October		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	November		0.000020	0.00026	0.0092	0.00035	0.00050	0.00051	0.0000100	0.093	0.0021	0.39	0.00100	0.000010	0.000040	0.00069
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.062	0.00016	0.0000016	0.0000064	0.00011
		MAXIMUM	0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.00	0.0026	0.000026	0.00010	0.0018
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		0.0000013	0.000016	0.00059	0.000022	0.000032	0.000032	0.00000064	0.0059	0.00013	0.025	0.000064	0.00000064	0.0000025	0.000044
	March		0.0000096	0.00012	0.0044	0.00017	0.00024	0.00024	0.0000048	0.045	0.00100	0.19	0.00048	0.0000048	0.000019	0.00033
	April		0.000056	0.00072	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0058	1.1	0.0028	0.000028	0.00011	0.0020
	May		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
Post-Closure	**June**	**≥2070**	0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0084	1.6	0.0040	0.000041	0.00016	0.0028
	August		0.000077	0.00100	0.036	0.0013	0.0020	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00016	0.0027
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000063	0.00081	0.029	0.0011	0.0016	0.0016	0.000032	0.29	0.0065	1.2	0.0032	0.000032	0.00013	0.0022
	November		0.000043	0.00055	0.020	0.00075	0.0011	0.0011	0.000022	0.20	0.0045	0.84	0.0022	0.000022	0.000086	0.0015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000013	0.000016	0.00059	0.000022	0.000032	0.000032	0.00000064	0.0059	0.00013	0.025	0.000064	0.00000064	0.0000025	0.000044
		MAXIMUM	0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0084	1.6	0.0040	0.000041	0.00016	0.0028
		AVERAGE	0.000055	0.00071	0.025	0.00096	0.0014	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.000010	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.000100	0.037	1.4	0.057	0.0000040
	April		0.013	0.063	0.00016	0.000013	3.3	0.96	0.00043	0.00018	0.00042	**0.38**	0.000086	0.031	1.2	0.055	0.0000037
	May		0.018	0.079	0.00022	0.000018	2.8	0.99	0.00039	0.00028	0.00038	**0.31**	0.000077	0.027	0.99	0.057	0.0000036
	June		0.026	0.11	0.00031	0.000025	3.3	1.3	0.00046	0.00043	0.00044	**0.35**	0.000091	0.031	1.1	0.074	0.0000045
	July		0.037	0.15	0.00043	0.000036	3.4	1.6	0.00051	0.00064	0.00048	**0.35**	0.00010	0.032	1.2	0.092	0.0000055
	August		0.047	0.19	0.00054	0.000044	3.6	1.8	0.00055	0.00081	0.00052	**0.36**	0.00011	0.034	1.2	0.11	0.0000063
	September		0.047	0.19	0.00055	0.000045	3.1	1.8	0.00050	0.00084	0.00046	**0.31**	0.00010	0.030	1.1	0.10	0.0000060
	October		0.046	0.18	0.00053	0.000044	2.7	1.7	0.00045	0.00082	0.00041	0.26	0.000090	0.026	0.91	0.098	0.0000055
	November		0.043	0.17	0.00049	0.000041	2.4	1.5	0.00040	0.00077	0.00037	0.23	0.000081	0.023	0.80	0.090	0.0000050
	December		0.042	0.17	0.00049	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000079	0.023	0.78	0.089	0.0000049
	January	**2026**	0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000078	0.022	0.77	0.088	0.0000049
	February		0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000078	0.022	0.77	0.088	0.0000049
	March		0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00035	0.22	0.000078	0.022	0.77	0.088	0.0000049
	April		0.040	0.16	0.00046	0.000038	1.9	1.4	0.00034	0.00072	0.00031	0.18	0.000068	0.019	0.65	0.081	0.0000045
	May		0.055	0.21	0.00062	**0.000052**	2.6	1.9	0.00046	0.00099	0.00041	0.23	0.000091	0.025	0.85	0.11	0.0000060
	June		0.061	0.24	0.00070	**0.000058**	2.7	2.0	0.00049	0.0011	0.00043	0.23	0.000097	0.026	0.88	0.12	0.0000066
	July		0.071	0.27	0.00081	**0.000067**	2.9	2.3	0.00054	0.0013	0.00047	0.25	0.00011	0.028	0.94	0.14	0.0000074
	August		0.069	0.26	0.00078	**0.000065**	2.5	2.2	0.00049	0.0013	0.00043	0.21	0.000099	0.026	0.83	0.13	0.0000070
	September		0.069	0.27	0.00079	**0.000065**	2.4	2.2	0.00048	0.0013	0.00042	0.20	0.000096	0.025	0.79	0.13	0.0000069
	October		0.069	0.27	0.00079	**0.000066**	2.4	2.2	0.00048	0.0013	0.00042	0.19	0.000096	0.024	0.78	0.13	0.0000069
	November		0.071	0.27	0.00081	**0.000067**	2.4	2.3	0.00049	0.0013	0.00043	0.19	0.000098	0.025	0.79	0.13	0.0000071
	December		0.071	0.27	0.00081	**0.000067**	2.4	2.3	0.00049	0.0013	0.00043	0.19	0.000098	0.025	0.79	0.13	0.0000071
	January	**2027**	0.071	0.27	0.00081	**0.000067**	2.4	2.3	0.00049	0.0013	0.00043	0.19	0.000098	0.025	0.79	0.13	0.0000071
	February		0.071	0.27	0.00081	**0.000067**	2.4	2.3	0.00049	0.0013	0.00042	0.19	0.000097	0.024	0.79	0.13	0.0000071
	March		0.064	0.25	0.00073	**0.000061**	2.2	2.0	0.00044	0.0012	0.00038	0.17	0.000088	0.022	0.70	0.12	0.0000064
	April		0.053	0.21	0.00061	0.000051	1.7	1.7	0.00035	0.00099	0.00031	0.13	0.000071	0.017	0.55	0.100	0.0000052
	May		0.057	0.22	0.00065	**0.000054**	1.8	1.8	0.00037	0.0011	0.00032	0.13	0.000074	0.018	0.57	0.11	0.0000055
	June		0.069	0.26	0.00078	**0.000065**	2.1	2.1	0.00044	0.0013	0.00038	0.15	0.000088	0.021	0.66	0.13	0.0000066
	July		0.072	0.27	0.00082	**0.000068**	2.1	2.2	0.00045	0.0013	0.00038	0.15	0.000089	0.021	0.66	0.13	0.0000068
	August		0.086	0.33	0.00098	**0.000081**	2.4	2.6	0.00052	0.0016	0.00045	0.17	0.00010	0.025	0.76	0.16	0.0000081
	September		0.11	0.41	0.0012	**0.00010**	2.9	3.2	0.00065	0.0020	0.00055	0.21	0.00013	0.031	0.93	0.19	0.000010
	October		0.10	0.39	0.0012	**0.000098**	2.8	3.1	0.00062	0.0019	0.00053	0.20	0.00012	0.029	0.90	0.19	0.0000097
	November		0.091	0.35	0.0010	**0.000086**	2.5	2.8	0.00055	0.0017	0.00046	0.17	0.00011	0.026	0.78	0.16	0.0000085
	December		0.090	0.34	0.0010	**0.000085**	2.4	2.7	0.00054	0.0017	0.00046	0.17	0.00011	0.025	0.77	0.16	0.0000085
	January	**2028**	0.090	0.34	0.0010	**0.000085**	2.4	2.7	0.00054	0.0017	0.00046	0.17	0.00011	0.025	0.77	0.16	0.0000085
	February		0.090	0.34	0.0010	**0.000085**	2.4	2.7	0.00054	0.0017	0.00046	0.17	0.00011	0.025	0.77	0.16	0.0000085
	March		0.090	0.34	0.0010	**0.000085**	2.4	2.7	0.00054	0.0017	0.00046	0.17	0.00011	0.025	0.77	0.16	0.0000085
	April		0.079	0.30	0.00090	**0.000075**	2.1	2.4	0.00047	0.0015	0.00040	0.15	0.000095	0.022	0.67	0.14	0.0000074
	May		0.065	0.25	0.00074	**0.000061**	1.7	2.0	0.00038	0.0012	0.00032	0.11	0.000076	0.018	0.53	0.12	0.0000060
	June		0.076	0.29	0.00087	**0.000072**	2.0	2.3	0.00045	0.0014	0.00038	0.13	0.000090	0.021	0.62	0.14	0.0000071
	July		0.085	0.32	0.00096	**0.000080**	2.2	2.5	0.00049	0.0016	0.00042	0.14	0.000099	0.023	0.68	0.15	0.0000078
	August		0.084	0.32	0.00095	**0.000079**	2.1	2.5	0.00048	0.0016	0.00041	0.14	0.000097	0.022	0.66	0.15	0.0000077
	September		0.085	0.32	0.00096	**0.000080**	2.1	2.5	0.00049	0.0016	0.00041	0.14	0.000097	0.022	0.66	0.15	0.0000078
	October		0.092	0.35	0.0010	**0.000087**	2.3	2.7	0.00053	0.0017	0.00044	0.15	0.00011	0.024	0.71	0.16	0.0000084
	November		0.092	0.35	0.0010	**0.000087**	2.3	2.7	0.00053	0.0017	0.00044	0.15	0.00011	0.024	0.71	0.16	0.0000084
	December		0.092	0.35	0.0010	**0.000087**	2.3	2.7	0.00053	0.0017	0.00044	0.15	0.00011	0.024	0.71	0.16	0.0000084
		MINIMUM	0.010	0.054	0.00013	0.0000100	1.7	0.96	0.00034	0.00010	0.00031	0.11	0.000068	0.017	0.53	0.055	0.0000036
		MAXIMUM	0.11	0.41	0.0012	**0.00010**	4.0	3.2	0.00065	0.0020	0.00055	**0.46**	0.00013	0.037	1.4	0.19	0.000010
		AVERAGE	0.063	0.24	0.00072	**0.000059**	2.5	2.1	0.00048	0.0011	0.00042	0.22	0.000095	0.025	0.84	0.12	0.0000066
Operations	**January**	**2029**	0.092	0.35	0.0010	**0.000087**	2.3	2.7	0.00053	0.0017	0.00044	0.15	0.00011	0.024	0.71	0.16	0.0000084
	February		0.092	0.35	0.0010	**0.000087**	2.3	2.7	0.00053	0.0017	0.00044	0.15	0.00011	0.024	0.71	0.16	0.0000084
	March		0.089	0.34	0.0010	**0.000084**	2.2	2.7	0.00051	0.0017	0.00043	0.14	0.00010	0.023	0.69	0.16	0.0000082
	April		0.069	0.26	0.00078	**0.000065**	1.7	2.1	0.00039	0.0013	0.00033	0.11	0.000079	0.018	0.53	0.12	0.0000063
	May		0.068	0.26	0.00077	**0.000064**	1.6	2.0	0.00038	0.0013	0.00032	0.10	0.000077	0.017	0.51	0.12	0.0000062
	June		0.071	0.27	0.00081	**0.000067**	1.7	2.1	0.00040	0.0013	0.00034	0.11	0.000081	0.018	0.54	0.13	0.0000065
	July		0.086	0.33	0.00098	**0.000081**	2.1	2.6	0.00048	0.0016	0.00041	0.13	0.000097	0.022	0.64	0.15	0.0000078
	August		0.094	0.36	0.0011	**0.000089**	2.2	2.8	0.00053	0.0018	0.00044	0.14	0.00011	0.024	0.70	0.17	0.0000086
	September		0.089	0.34	0.0010	**0.000084**	2.1	2.6	0.00050	0.0017	0.00041	0.13	0.000099	0.022	0.65	0.16	0.0000081
	October		0.090	0.34	0.0010	**0.000085**	2.1	2.7	0.00050	0.0017	0.00042	0.13	0.00010	0.023	0.66	0.16	0.0000082
	November		0.087	0.33	0.00099	**0.000082**	2.1	2.6	0.00049	0.0016	0.00041	0.13	0.000098	0.022	0.64	0.15	0.0000079
	December		0.087	0.33	0.00099	**0.000082**	2.0	2.6	0.00049	0.0016	0.00041	0.13	0.000097	0.022	0.64	0.15	0.0000079

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.020	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.023	0.0100	0.00010	1.5	0.032	1.7	0.0100	0.00010	0.00050	0.0030
	March		0.000100	0.00050	0.50	**0.050**	0.025	0.0099	0.000100	1.5	0.032	1.7	0.0100	0.000100	0.00050	0.0030
	April		0.000091	0.00053	0.41	**0.041**	0.022	0.0083	0.000086	1.3	0.027	1.6	0.0086	0.000086	0.00042	0.0028
	May		0.000088	0.00062	0.34	**0.034**	0.020	0.0072	0.000077	1.1	0.024	1.6	0.0077	0.000077	0.00038	0.0028
	June		0.00011	0.00083	0.38	**0.037**	0.023	0.0083	0.000091	1.3	0.027	1.9	0.0091	0.000091	0.00044	0.0035
	July		0.00013	0.0011	0.39	**0.037**	0.024	0.0087	0.00010	1.3	0.029	2.3	0.010	0.00010	0.00048	0.0042
	August		0.00015	0.0013	0.40	**0.038**	0.026	0.0092	0.00011	1.4	0.031	2.7	0.011	0.00011	0.00052	0.0048
	September		0.00014	0.0013	0.34	**0.032**	0.023	0.0081	0.00010	1.3	0.027	2.6	0.010	0.00010	0.00046	0.0046
	October		0.00013	0.0013	0.29	**0.027**	0.021	0.0071	0.000090	1.1	0.024	2.4	0.0090	0.000090	0.00041	0.0042
	November		0.00012	0.0012	0.25	**0.023**	0.019	0.0062	0.000081	0.99	0.021	2.2	0.0081	0.000081	0.00037	0.0039
	December		0.00011	0.0011	0.25	**0.023**	0.019	0.0061	0.000079	0.97	0.021	2.1	0.0079	0.000079	0.00036	0.0038
	January	**2026**	0.00011	0.0011	0.24	**0.022**	0.019	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00036	0.0038
	February		0.00011	0.0011	0.24	**0.022**	0.020	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00036	0.0038
	March		0.00011	0.0011	0.24	**0.022**	0.020	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00035	0.0038
	April		0.00010	0.0011	0.20	**0.018**	0.017	0.0051	0.000068	0.82	0.018	1.9	0.0068	0.000068	0.00031	0.0034
	May		0.00014	0.0014	0.26	**0.024**	0.022	0.0068	0.000091	1.1	0.024	2.6	0.0091	0.000091	0.00041	0.0046
	June		0.00015	0.0016	0.27	**0.024**	0.023	0.0070	0.000097	1.1	0.025	2.8	0.0097	0.000097	0.00043	0.0051
	July		0.00017	0.0018	0.28	**0.025**	0.024	0.0076	0.00011	1.2	0.027	3.2	0.011	0.00011	0.00047	0.0057
	August		0.00016	0.0018	0.24	**0.021**	0.021	0.0068	0.000099	1.1	0.024	3.0	0.0099	0.000099	0.00043	0.0054
	September		0.00016	0.0018	0.23	**0.019**	0.020	0.0066	0.000096	1.1	0.023	3.0	0.0096	0.000096	0.00042	0.0054
	October		0.00016	0.0018	0.22	**0.019**	0.020	0.0064	0.000096	1.1	0.023	3.0	0.0096	0.000096	0.00042	0.0054
	November		0.00016	0.0018	0.23	**0.019**	0.021	0.0066	0.000098	1.1	0.024	3.1	0.0098	0.000098	0.00043	0.0055
	December		0.00016	0.0018	0.23	**0.019**	0.022	0.0066	0.000098	1.1	0.024	3.1	0.0098	0.000098	0.00043	0.0055
	January	**2027**	0.00016	0.0018	0.23	**0.019**	0.022	0.0066	0.000098	1.1	0.024	3.1	0.0098	0.000098	0.00043	0.0055
	February		0.00016	0.0018	0.23	**0.019**	0.022	0.0066	0.000097	1.1	0.024	3.1	0.0097	0.000097	0.00042	0.0055
	March		0.00015	0.0017	0.20	**0.017**	0.020	0.0058	0.000088	0.96	0.021	2.8	0.0088	0.000088	0.00038	0.0049
	April		0.00012	0.0014	0.16	**0.013**	0.015	0.0047	0.000071	0.77	0.017	2.3	0.0071	0.000071	0.00031	0.0041
	May		0.00013	0.0015	0.16	**0.013**	0.015	0.0048	0.000074	0.80	0.017	2.4	0.0074	0.000074	0.00032	0.0043
	June		0.00015	0.0017	0.18	**0.015**	0.018	0.0056	0.000088	0.94	0.021	2.9	0.0088	0.000088	0.00038	0.0051
	July		0.00015	0.0018	0.18	**0.014**	0.017	0.0056	0.000089	0.94	0.021	3.0	0.0089	0.000089	0.00038	0.0053
	August		0.00018	0.0022	0.20	**0.016**	0.019	0.0066	0.00010	1.1	0.024	3.5	0.010	0.00010	0.00045	0.0063
	September		0.00023	0.0027	0.25	**0.019**	0.024	0.0081	0.00013	1.4	0.030	4.3	0.013	0.00013	0.00055	0.0078
	October		0.00022	0.0026	0.24	**0.018**	0.024	0.0078	0.00012	1.3	0.029	4.2	0.012	0.00012	0.00053	0.0075
	November		0.00019	0.0023	0.21	**0.016**	0.021	0.0068	0.00011	1.1	0.025	3.7	0.011	0.00011	0.00046	0.0066
	December		0.00019	0.0023	0.20	**0.016**	0.022	0.0067	0.00011	1.1	0.025	3.7	0.011	0.00011	0.00046	0.0065
	January	**2028**	0.00019	0.0023	0.20	**0.016**	0.022	0.0067	0.00011	1.1	0.025	3.7	0.011	0.00011	0.00046	0.0065
	February		0.00019	0.0023	0.20	**0.016**	0.023	0.0067	0.00011	1.1	0.025	3.7	0.011	0.00011	0.00046	0.0065
	March		0.00019	0.0023	0.20	**0.016**	0.023	0.0067	0.00011	1.1	0.025	3.7	0.011	0.00011	0.00046	0.0065
	April		0.00017	0.0020	0.18	**0.014**	0.020	0.0059	0.000095	0.99	0.022	3.2	0.0095	0.000095	0.00040	0.0058
	May		0.00014	0.0016	0.14	**0.010**	0.015	0.0047	0.000076	0.79	0.017	2.6	0.0076	0.000076	0.00032	0.0047
	June		0.00016	0.0019	0.16	**0.012**	0.017	0.0055	0.000090	0.92	0.020	3.1	0.0090	0.000090	0.00038	0.0055
	July		0.00018	0.0021	0.17	**0.013**	0.018	0.0060	0.000099	1.0	0.022	3.4	0.0099	0.000099	0.00042	0.0061
	August		0.00017	0.0021	0.17	**0.012**	0.017	0.0058	0.000097	0.99	0.022	3.3	0.0097	0.000097	0.00041	0.0060
	September		0.00018	0.0021	0.17	**0.012**	0.017	0.0058	0.000097	0.99	0.022	3.4	0.0097	0.000097	0.00041	0.0060
	October		0.00019	0.0023	0.18	**0.013**	0.019	0.0063	0.00011	1.1	0.024	3.6	0.011	0.00011	0.00044	0.0065
	November		0.00019	0.0023	0.18	**0.013**	0.020	0.0063	0.00011	1.1	0.024	3.6	0.011	0.00011	0.00044	0.0065
	December		0.00019	0.0023	0.18	**0.013**	0.020	0.0063	0.00011	1.1	0.024	3.6	0.011	0.00011	0.00044	0.0065
		MINIMUM	0.000088	0.00050	0.14	**0.010**	0.015	0.0047	0.000068	0.77	0.017	1.6	0.0068	0.000068	0.00031	0.0028
		MAXIMUM	0.00023	0.0027	0.50	**0.050**	0.026	0.0100	0.00013	1.5	0.032	4.3	0.013	0.00013	0.00055	0.0078
		AVERAGE	0.00015	0.0016	0.25	**0.022**	0.020	0.0068	0.000095	1.1	0.024	2.8	0.0095	0.000095	0.00042	0.0051
Operations	**January**	**2029**	0.00019	0.0023	0.18	**0.013**	0.021	0.0063	0.00011	1.1	0.024	3.6	0.011	0.00011	0.00044	0.0065
	February		0.00019	0.0023	0.18	**0.013**	0.021	0.0063	0.00011	1.1	0.024	3.6	0.011	0.00011	0.00044	0.0065
	March		0.00018	0.0022	0.17	**0.013**	0.021	0.0061	0.00010	1.0	0.023	3.5	0.010	0.00010	0.00043	0.0064
	April		0.00014	0.0017	0.13	0.0095	0.015	0.0047	0.000079	0.80	0.018	2.7	0.0079	0.000079	0.00033	0.0049
	May		0.00014	0.0017	0.13	0.0092	0.015	0.0046	0.000077	0.78	0.017	2.7	0.0077	0.000077	0.00032	0.0048
	June		0.00015	0.0018	0.13	0.0096	0.015	0.0048	0.000081	0.82	0.018	2.8	0.0081	0.000081	0.00034	0.0051
	July		0.00018	0.0022	0.16	**0.011**	0.018	0.0057	0.000097	0.98	0.022	3.4	0.0097	0.000097	0.00041	0.0061
	August		0.00019	0.0024	0.17	**0.012**	0.019	0.0062	0.00011	1.1	0.023	3.7	0.011	0.00011	0.00044	0.0066
	September		0.00018	0.0022	0.16	**0.011**	0.017	0.0058	0.000099	1.00	0.022	3.5	0.0099	0.000099	0.00041	0.0063
	October		0.00018	0.0023	0.16	**0.012**	0.018	0.0059	0.00010	1.0	0.022	3.6	0.010	0.00010	0.00042	0.0064
	November		0.00018	0.0022	0.16	**0.011**	0.018	0.0057	0.000098	0.98	0.022	3.4	0.0098	0.000098	0.00041	0.0062
	December		0.00018	0.0022	0.16	**0.011**	0.018	0.0057	0.000097	0.98	0.021	3.4	0.0097	0.000097	0.00041	0.0061

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.087	0.33	0.00099	**0.000082**	2.0	2.6	0.00049	0.0016	0.00041	0.13	0.000097	0.022	0.64	0.15	0.0000079
	February		0.085	0.33	0.00097	**0.000081**	2.0	2.5	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.63	0.15	0.0000078
	March		0.081	0.31	0.00092	**0.000076**	1.9	2.4	0.00045	0.0015	0.00038	0.12	0.000090	0.020	0.59	0.14	0.0000073
	April		0.067	0.25	0.00076	**0.000063**	1.6	2.0	0.00037	0.0013	0.00031	0.096	0.000075	0.017	0.49	0.12	0.0000061
	May		0.071	0.27	0.00081	**0.000067**	1.7	2.1	0.00040	0.0013	0.00033	0.10	0.000079	0.018	0.52	0.13	0.0000065
	June		0.063	0.24	0.00072	**0.000060**	1.5	1.9	0.00035	0.0012	0.00029	0.089	0.000070	0.016	0.46	0.11	0.0000057
	July	**2030**	0.060	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.084	0.000067	0.015	0.43	0.11	0.0000055
	August		0.067	0.26	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00031	0.093	0.000074	0.017	0.48	0.12	0.0000061
	September		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0012	0.00028	0.085	0.000068	0.015	0.44	0.11	0.0000056
	October		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00034	0.0011	0.00028	0.083	0.000067	0.015	0.43	0.11	0.0000055
	November		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.077	0.000062	0.014	0.40	0.099	0.0000051
	December		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.075	0.000060	0.013	0.39	0.097	0.0000050
	January		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00100	0.00024	0.073	0.000059	0.013	0.38	0.094	0.0000048
	February		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.073	0.000058	0.013	0.38	0.094	0.0000048
	March		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00029	0.00098	0.00024	0.071	0.000057	0.013	0.37	0.092	0.0000047
	April		0.044	0.17	0.00050	0.000041	1.00	1.3	0.00024	0.00082	0.00020	0.060	0.000048	0.011	0.31	0.077	0.0000040
	May		0.045	0.17	0.00051	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	June	**2031**	0.057	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.077	0.000062	0.014	0.40	0.100	0.0000051
	July		0.070	0.27	0.00080	**0.000066**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000077	0.017	0.50	0.12	0.0000064
	August		0.082	0.31	0.00093	**0.000077**	1.9	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.58	0.14	0.0000074
	September		0.079	0.30	0.00090	**0.000075**	1.8	2.3	0.00043	0.0015	0.00036	0.11	0.000087	0.019	0.56	0.14	0.0000072
	October		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00041	0.0014	0.00034	0.100	0.000081	0.018	0.52	0.13	0.0000067
	November		0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00038	0.0013	0.00031	0.093	0.000076	0.017	0.48	0.12	0.0000062
	December		0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00038	0.0013	0.00031	0.092	0.000075	0.017	0.48	0.12	0.0000062
	January		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000074	0.016	0.47	0.12	0.0000061
	February		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000074	0.016	0.47	0.12	0.0000061
	March		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.079	0.000065	0.014	0.41	0.10	0.0000053
	April		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.085	0.0000044
	May		0.051	0.20	0.00058	0.000049	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	June	**2032**	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	July		0.060	0.23	0.00068	**0.000057**	1.4	1.8	0.00033	0.0011	0.00027	0.081	0.000066	0.015	0.42	0.11	0.0000054
Operations	**August**		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000056
	September		0.070	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	October		0.072	0.27	0.00081	**0.000068**	1.6	2.1	0.00039	0.0013	0.00033	0.096	0.000078	0.017	0.50	0.13	0.0000065
	November		0.070	0.27	0.00080	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	December		0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	January		0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	February		0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	March		0.070	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	April		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.094	0.0000048
	May		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	June	**2033**	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.084	0.000068	0.015	0.44	0.11	0.0000056
	July		0.076	0.29	0.00086	**0.000072**	1.7	2.2	0.00042	0.0014	0.00035	0.10	0.000083	0.019	0.53	0.13	0.0000069
	August		0.082	0.31	0.00093	**0.000078**	1.9	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.58	0.14	0.0000074
	September		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0015	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	October		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	November		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00039	0.0013	0.00033	0.096	0.000079	0.017	0.50	0.13	0.0000065
	December		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	January		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	February		0.071	0.27	0.00080	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.12	0.0000064
	March		0.066	0.25	0.00075	**0.000062**	1.5	2.0	0.00036	0.0012	0.00030	0.088	0.000073	0.016	0.46	0.12	0.0000060
	April		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000059	0.013	0.38	0.096	0.0000049
	May		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000061	0.013	0.39	0.098	0.0000050
	June	**2034**	0.046	0.17	0.00052	0.000043	1.0	1.4	0.00025	0.00086	0.00021	0.061	0.000050	0.011	0.32	0.081	0.0000041
	July		0.043	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00081	0.00020	0.058	0.000048	0.011	0.30	0.077	0.0000039
	August		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.085	0.0000044
	September		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	October		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.070	0.000058	0.013	0.37	0.093	0.0000048
	November		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00028	0.00097	0.00024	0.069	0.000057	0.013	0.36	0.091	0.0000047
	December		0.050	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000055	0.012	0.35	0.088	0.0000045
	January		0.049	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000054	0.012	0.35	0.087	0.0000045
	February	**2035**	0.048	0.18	0.00055	0.000046	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	March		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.00018	0.0022	0.16	**0.011**	0.019	0.0057	0.000097	0.98	0.021	3.4	0.0097	0.000097	0.00041	0.0061
	February		0.00017	0.0021	0.15	**0.011**	0.019	0.0056	0.000096	0.96	0.021	3.4	0.0096	0.000096	0.00040	0.0060
	March		0.00016	0.0020	0.15	**0.010**	0.018	0.0053	0.000090	0.91	0.020	3.2	0.0090	0.000090	0.00038	0.0057
	April		0.00014	0.0017	0.12	0.0084	0.014	0.0044	0.000075	0.75	0.016	2.6	0.0075	0.000075	0.00031	0.0047
	May		0.00015	0.0018	0.13	0.0089	0.015	0.0046	0.000079	0.80	0.018	2.8	0.0079	0.000079	0.00033	0.0050
	June		0.00013	0.0016	0.11	0.0078	0.012	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	July	**2030**	0.00012	0.0015	0.11	0.0073	0.011	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0042
	August		0.00014	0.0017	0.12	0.0080	0.011	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	September		0.00013	0.0015	0.11	0.0073	0.010	0.0040	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	October		0.00012	0.0015	0.10	0.0072	0.010	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	November		0.00011	0.0014	0.096	0.0066	0.0099	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0039
	December		0.00011	0.0014	0.094	0.0065	0.010	0.0035	0.000060	0.60	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	January		0.00011	0.0013	0.091	0.0063	0.010	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	February		0.00011	0.0013	0.091	0.0063	0.011	0.0034	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	March		0.00011	0.0013	0.089	0.0062	0.011	0.0033	0.000057	0.57	0.013	2.0	0.0057	0.000057	0.00024	0.0037
	April		0.000089	0.0011	0.075	0.0051	0.0083	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	May		0.000092	0.0011	0.077	0.0053	0.0080	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	June		0.00011	0.0014	0.096	0.0066	0.0100	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	July	**2031**	0.00014	0.0018	0.12	0.0082	0.012	0.0045	0.000077	0.77	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	August		0.00017	0.0020	0.14	0.0095	0.014	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	September		0.00016	0.0020	0.13	0.0092	0.013	0.0050	0.000087	0.86	0.019	3.1	0.0087	0.000087	0.00036	0.0055
	October		0.00015	0.0018	0.13	0.0086	0.013	0.0047	0.000081	0.81	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	November		0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00031	0.0048
	December		0.00014	0.0017	0.12	0.0079	0.013	0.0044	0.000075	0.75	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	January		0.00014	0.0017	0.11	0.0078	0.014	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	February		0.00014	0.0017	0.11	0.0078	0.014	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	March		0.00012	0.0015	0.100	0.0068	0.012	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
	April		0.000098	0.0012	0.082	0.0056	0.0091	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	May		0.00010	0.0013	0.087	0.0059	0.0095	0.0033	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	June	**2032**	0.00013	0.0016	0.11	0.0072	0.011	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0044
	July		0.00012	0.0015	0.10	0.0069	0.010	0.0038	0.000066	0.66	0.014	2.4	0.0066	0.000066	0.00027	0.0042
Operations	**August**		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00029	0.0044
	September		0.00014	0.0017	0.12	0.0080	0.012	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	October		0.00014	0.0018	0.12	0.0082	0.013	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00033	0.0050
	November		0.00014	0.0017	0.12	0.0081	0.013	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	December		0.00014	0.0017	0.12	0.0081	0.014	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	January		0.00014	0.0017	0.12	0.0081	0.014	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	February		0.00014	0.0017	0.12	0.0081	0.015	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	March		0.00014	0.0017	0.12	0.0080	0.015	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	April		0.00011	0.0013	0.090	0.0061	0.010	0.0034	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	May		0.00011	0.0014	0.093	0.0063	0.010	0.0035	0.000060	0.60	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	June	**2033**	0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0044
	July		0.00015	0.0019	0.13	0.0087	0.014	0.0048	0.000083	0.83	0.018	3.0	0.0083	0.000083	0.00035	0.0053
	August		0.00017	0.0020	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	September		0.00017	0.0021	0.14	0.0095	0.015	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	October		0.00017	0.0020	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	November		0.00015	0.0018	0.12	0.0083	0.013	0.0046	0.000079	0.78	0.017	2.8	0.0079	0.000079	0.00033	0.0050
	December		0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	January		0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	February		0.00014	0.0018	0.12	0.0081	0.015	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	March		0.00013	0.0017	0.11	0.0076	0.014	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0046
	April		0.00011	0.0014	0.091	0.0062	0.011	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	May		0.00011	0.0014	0.093	0.0064	0.011	0.0035	0.000061	0.60	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	June		0.000093	0.0011	0.077	0.0053	0.0075	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	July	**2034**	0.000088	0.0011	0.073	0.0050	0.0063	0.0027	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0030
	August		0.000098	0.0012	0.081	0.0056	0.0069	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	September		0.000097	0.0012	0.081	0.0055	0.0069	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	October		0.00011	0.0013	0.089	0.0061	0.0081	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	November		0.00010	0.0013	0.087	0.0059	0.0085	0.0033	0.000057	0.56	0.012	2.0	0.0057	0.000057	0.00024	0.0036
	December		0.00010	0.0012	0.084	0.0057	0.0087	0.0031	0.000055	0.54	0.012	1.9	0.0055	0.000055	0.00023	0.0035
	January		0.00010	0.0012	0.083	0.0057	0.0091	0.0031	0.000054	0.54	0.012	1.9	0.0054	0.000054	0.00023	0.0035
	February	**2035**	0.000098	0.0012	0.081	0.0055	0.0092	0.0031	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	March		0.000098	0.0012	0.081	0.0055	0.0096	0.0031	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.045	0.17	0.00051	0.000042	1.0	1.3	0.00024	0.00083	0.00020	0.060	0.000049	0.011	0.31	0.079	0.0000040
	May		0.043	0.16	0.00049	0.000041	0.97	1.3	0.00024	0.00080	0.00020	0.057	0.000047	0.010	0.30	0.076	0.0000039
	June		0.047	0.18	0.00053	0.000045	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000052	0.012	0.33	0.083	0.0000043
	July		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.093	0.0000048
	August	**2035**	0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000056
	September		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00036	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	October		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	November		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00035	0.0012	0.00029	0.086	0.000070	0.016	0.45	0.11	0.0000058
	December		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00035	0.0012	0.00029	0.086	0.000070	0.016	0.45	0.11	0.0000058
	January		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00035	0.0012	0.00029	0.086	0.000070	0.016	0.45	0.11	0.0000058
	February		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00035	0.0012	0.00029	0.086	0.000070	0.016	0.45	0.11	0.0000058
	March		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0011	0.00028	0.082	0.000067	0.015	0.43	0.11	0.0000055
	April		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00088	0.00022	0.063	0.000052	0.011	0.33	0.083	0.0000043
	May		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000052	0.011	0.33	0.083	0.0000042
	June	**2036**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	July		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.45	0.11	0.0000059
	August		0.086	0.33	0.00097	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000094	0.021	0.60	0.15	0.0000077
	September		0.094	0.36	0.0011	**0.000089**	2.1	2.8	0.00052	0.0018	0.00043	0.13	0.00010	0.023	0.66	0.17	0.0000085
	October		0.088	0.33	0.00099	**0.000083**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.61	0.15	0.0000079
	November		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	December		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	January		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	February		0.078	0.29	0.00088	**0.000073**	1.7	2.3	0.00043	0.0015	0.00035	0.10	0.000085	0.019	0.54	0.14	0.0000070
	March		0.075	0.28	0.00085	**0.000071**	1.7	2.2	0.00041	0.0014	0.00034	0.10	0.000082	0.018	0.52	0.13	0.0000068
	April		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.40	0.10	0.0000052
	May		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	June		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0012	0.00028	0.082	0.000067	0.015	0.43	0.11	0.0000055
	July	**2037**	0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000063	0.014	0.40	0.10	0.0000051
	August		0.072	0.27	0.00081	**0.000068**	1.6	2.1	0.00039	0.0013	0.00033	0.096	0.000079	0.018	0.50	0.13	0.0000065
	September		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	October		0.069	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
Operations	**November**		0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00038	0.0013	0.00031	0.092	0.000075	0.017	0.48	0.12	0.0000062
	December		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000074	0.016	0.48	0.12	0.0000061
	January		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000074	0.016	0.48	0.12	0.0000061
	February		0.067	0.26	0.00076	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	March		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.10	0.0000051
	April		0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	May		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	June		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.079	0.000065	0.014	0.41	0.10	0.0000053
	July	**2038**	0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000075	0.017	0.48	0.12	0.0000061
	August		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	September		0.080	0.30	0.00091	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000088	0.020	0.56	0.14	0.0000072
	October		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	November		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.45	0.11	0.0000058
	December		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	January		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.40	0.10	0.0000052
	March		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000061	0.013	0.39	0.097	0.0000050
	April		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.075	0.000061	0.014	0.39	0.099	0.0000051
	May		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	June	**2039**	0.080	0.31	0.00091	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000088	0.019	0.56	0.14	0.0000073
	July		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	August		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00035	0.0012	0.00029	0.086	0.000070	0.016	0.45	0.11	0.0000058
	September		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	October		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.43	0.11	0.0000056
	November		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	December		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.075	0.000061	0.014	0.39	0.099	0.0000051
	January		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.075	0.000061	0.014	0.39	0.099	0.0000051
	February		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.075	0.000061	0.014	0.39	0.099	0.0000051
	March	**2040**	0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00086	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	April		0.041	0.16	0.00047	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.0100	0.29	0.072	0.0000037
	May		0.043	0.16	0.00048	0.000040	0.96	1.3	0.00023	0.00080	0.00019	0.057	0.000047	0.010	0.30	0.075	0.0000038
	June		0.046	0.17	0.00052	0.000043	1.0	1.4	0.00025	0.00086	0.00021	0.061	0.000050	0.011	0.32	0.081	0.0000041

GOLDER
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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.000090	0.0011	0.075	0.0051	0.0087	0.0028	0.000049	0.49	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	May		0.000087	0.0011	0.072	0.0049	0.0076	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	June		0.000095	0.0012	0.079	0.0054	0.0079	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00021	0.0033
	July		0.00011	0.0013	0.089	0.0061	0.0086	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	August	**2035**	0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00029	0.0044
	September		0.00013	0.0017	0.11	0.0076	0.011	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	October		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	November		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	December		0.00013	0.0016	0.11	0.0074	0.012	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	January		0.00013	0.0016	0.11	0.0074	0.013	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	February		0.00013	0.0016	0.11	0.0074	0.013	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	March		0.00012	0.0015	0.10	0.0070	0.013	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	April		0.000096	0.0012	0.079	0.0054	0.0089	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00022	0.0033
	May		0.000095	0.0012	0.079	0.0054	0.0084	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00021	0.0033
	June		0.00012	0.0015	0.098	0.0067	0.010	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	July	**2036**	0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0045
	August		0.00017	0.0021	0.14	0.0098	0.015	0.0054	0.000094	0.93	0.021	3.3	0.0094	0.000094	0.00039	0.0060
	September		0.00019	0.0024	0.16	**0.011**	0.017	0.0060	0.00010	1.0	0.023	3.7	0.010	0.00010	0.00043	0.0066
	October		0.00018	0.0022	0.15	**0.010**	0.016	0.0055	0.000096	0.95	0.021	3.4	0.0096	0.000096	0.00040	0.0061
	November		0.00017	0.0021	0.14	0.0095	0.016	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	December		0.00017	0.0021	0.14	0.0095	0.016	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	January		0.00017	0.0021	0.14	0.0095	0.017	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	February		0.00016	0.0019	0.13	0.0089	0.016	0.0049	0.000085	0.84	0.019	3.0	0.0085	0.000085	0.00035	0.0054
	March		0.00015	0.0019	0.13	0.0086	0.016	0.0047	0.000082	0.82	0.018	2.9	0.0082	0.000082	0.00034	0.0052
	April		0.00012	0.0014	0.097	0.0066	0.011	0.0036	0.000063	0.63	0.014	2.2	0.0063	0.000063	0.00026	0.0040
	May		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	June		0.00012	0.0015	0.10	0.0071	0.011	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	July	**2037**	0.00012	0.0014	0.096	0.0066	0.0096	0.0036	0.000063	0.62	0.014	2.2	0.0063	0.000063	0.00026	0.0040
	August		0.00015	0.0018	0.12	0.0082	0.012	0.0045	0.000079	0.78	0.017	2.8	0.0079	0.000079	0.00033	0.0050
	September		0.00014	0.0017	0.11	0.0077	0.011	0.0042	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	October		0.00014	0.0017	0.12	0.0080	0.012	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
Operations	**November**		0.00014	0.0017	0.12	0.0079	0.013	0.0043	0.000075	0.75	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	December		0.00014	0.0017	0.11	0.0078	0.013	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	January		0.00014	0.0017	0.11	0.0078	0.014	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	February		0.00014	0.0017	0.11	0.0077	0.014	0.0043	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	March		0.00012	0.0014	0.096	0.0065	0.011	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	April		0.000094	0.0012	0.078	0.0053	0.0085	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	May		0.00010	0.0013	0.085	0.0058	0.0092	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	June		0.00012	0.0015	0.099	0.0068	0.011	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
	July	**2038**	0.00014	0.0017	0.11	0.0078	0.012	0.0043	0.000075	0.74	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	August		0.00016	0.0020	0.14	0.0093	0.014	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	September		0.00016	0.0020	0.13	0.0092	0.014	0.0051	0.000088	0.87	0.019	3.1	0.0088	0.000088	0.00037	0.0056
	October		0.00014	0.0017	0.11	0.0078	0.012	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	November		0.00013	0.0016	0.11	0.0074	0.012	0.0041	0.000071	0.70	0.016	2.5	0.0071	0.000071	0.00030	0.0045
	December		0.00013	0.0016	0.11	0.0074	0.012	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	January		0.00013	0.0016	0.11	0.0074	0.013	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	February		0.00012	0.0014	0.097	0.0066	0.012	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	March		0.00011	0.0014	0.093	0.0063	0.011	0.0035	0.000061	0.60	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	April		0.00011	0.0014	0.094	0.0064	0.011	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00026	0.0039
	May		0.00013	0.0016	0.11	0.0072	0.013	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	June		0.00016	0.0020	0.14	0.0092	0.016	0.0051	0.000088	0.88	0.019	3.1	0.0088	0.000088	0.00037	0.0056
	July	**2039**	0.00017	0.0020	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	August		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000070	0.70	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	September		0.00013	0.0016	0.11	0.0076	0.011	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	October		0.00013	0.0015	0.10	0.0071	0.011	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	November		0.00011	0.0014	0.094	0.0064	0.010	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	December		0.00011	0.0014	0.094	0.0064	0.011	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00026	0.0039
	January		0.00011	0.0014	0.094	0.0064	0.011	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00026	0.0039
	February		0.00011	0.0014	0.094	0.0064	0.012	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00026	0.0039
	March	**2040**	0.000093	0.0012	0.078	0.0053	0.0089	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	April		0.000083	0.0010	0.069	0.0047	0.0074	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	May		0.000086	0.0011	0.072	0.0049	0.0073	0.0027	0.000047	0.46	0.010	1.7	0.0047	0.000047	0.00019	0.0030
	June		0.000093	0.0011	0.077	0.0053	0.0074	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000051	0.011	0.33	0.083	0.0000042
	August		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	September	**2040**	0.070	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	October		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	November		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	December		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	January		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	February		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	March		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000069	0.015	0.44	0.11	0.0000057
	April		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00028	0.00097	0.00024	0.069	0.000057	0.013	0.36	0.091	0.0000047
	May		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	June	**2041**	0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000077	0.017	0.49	0.12	0.0000063
	July		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00041	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000067
	August		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000056	0.012	0.36	0.090	0.0000046
	September		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	October		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	November		0.049	0.19	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	December		0.049	0.19	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	January		0.049	0.19	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	February		0.049	0.19	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	March		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	April		0.041	0.16	0.00047	0.000039	0.93	1.2	0.00023	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.073	0.0000037
	May		0.043	0.16	0.00048	0.000040	0.96	1.3	0.00023	0.00080	0.00019	0.057	0.000047	0.010	0.30	0.075	0.0000038
	June		0.043	0.16	0.00049	0.000041	0.97	1.3	0.00024	0.00080	0.00020	0.057	0.000047	0.010	0.30	0.076	0.0000039
	July	**2042**	0.043	0.16	0.00049	0.000041	0.97	1.3	0.00024	0.00081	0.00020	0.058	0.000047	0.011	0.30	0.076	0.0000039
	August		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	September		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00086	0.00021	0.061	0.000050	0.011	0.32	0.081	0.0000041
	October		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.072	0.0000037
	November		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	December		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	January		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
Operations	**February**		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0098	0.28	0.071	0.0000036
	March		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0098	0.28	0.071	0.0000036
	April		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	May		0.039	0.15	0.00044	0.000037	0.88	1.1	0.00021	0.00073	0.00018	0.052	0.000043	0.0095	0.27	0.069	0.0000035
	June	**2043**	0.041	0.16	0.00047	0.000039	0.93	1.2	0.00023	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.073	0.0000037
	July		0.045	0.17	0.00051	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	August		0.044	0.17	0.00050	0.000042	0.99	1.3	0.00024	0.00082	0.00020	0.059	0.000048	0.011	0.31	0.078	0.0000040
	September		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	October		0.037	0.14	0.00041	0.000035	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0090	0.26	0.065	0.0000033
	November		0.034	0.13	0.00039	0.000032	0.77	1.0	0.00019	0.00064	0.00015	0.045	0.000037	0.0084	0.24	0.060	0.0000031
	December		0.034	0.13	0.00039	0.000032	0.77	1.0	0.00019	0.00064	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	January		0.034	0.13	0.00039	0.000032	0.76	1.0	0.00019	0.00064	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	February		0.034	0.13	0.00039	0.000032	0.76	1.0	0.00019	0.00064	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	March		0.034	0.13	0.00038	0.000032	0.76	1.00	0.00019	0.00063	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	April		0.033	0.13	0.00038	0.000031	0.75	0.98	0.00018	0.00062	0.00015	0.045	0.000037	0.0081	0.23	0.059	0.0000030
	May		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	June		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	July	**2044**	0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.093	0.0000048
	August		0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	September		0.084	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.021	0.59	0.15	0.0000076
	October		0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.12	0.000094	0.021	0.60	0.15	0.0000078
	November		0.088	0.34	0.0010	**0.000083**	2.0	2.6	0.00048	0.0017	0.00040	0.12	0.000097	0.022	0.62	0.16	0.0000080
	December		0.088	0.33	0.00100	**0.000083**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.61	0.15	0.0000079
	January		0.088	0.33	0.00099	**0.000083**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.61	0.15	0.0000079
	February		0.088	0.33	0.00099	**0.000083**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.61	0.15	0.0000079
	March		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	April		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000075	0.017	0.48	0.12	0.0000061
	May	**2045**	0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000072	0.016	0.46	0.12	0.0000059
	June		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	July		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	August		0.080	0.30	0.00091	**0.000076**	1.8	2.4	0.00044	0.0015	0.00036	0.11	0.000088	0.020	0.56	0.14	0.0000072
	September		0.089	0.34	0.0010	**0.000084**	2.0	2.6	0.00049	0.0017	0.00040	0.12	0.000097	0.022	0.62	0.16	0.0000080

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.000095	0.0012	0.079	0.0054	0.0070	0.0030	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	August		0.00013	0.0016	0.11	0.0075	0.010	0.0042	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	September	**2040**	0.00014	0.0017	0.12	0.0080	0.011	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	October		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	November		0.00013	0.0016	0.11	0.0076	0.012	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	December		0.00013	0.0016	0.11	0.0076	0.012	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	January		0.00013	0.0016	0.11	0.0076	0.013	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	February		0.00013	0.0016	0.11	0.0076	0.013	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	March		0.00013	0.0016	0.11	0.0073	0.013	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	April		0.00010	0.0013	0.087	0.0060	0.010	0.0033	0.000057	0.56	0.012	2.0	0.0057	0.000057	0.00024	0.0036
	May		0.00011	0.0014	0.093	0.0063	0.010	0.0035	0.000060	0.60	0.013	2.2	0.0060	0.000060	0.00025	0.0039
	June		0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	July	**2041**	0.00015	0.0018	0.12	0.0085	0.013	0.0047	0.000081	0.81	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	August		0.00010	0.0013	0.086	0.0058	0.0079	0.0032	0.000056	0.55	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	September		0.000098	0.0012	0.081	0.0055	0.0073	0.0031	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	October		0.00010	0.0013	0.085	0.0058	0.0080	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	November		0.000099	0.0012	0.082	0.0056	0.0082	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	December		0.000099	0.0012	0.082	0.0056	0.0088	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	January		0.000099	0.0012	0.082	0.0056	0.0093	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	February		0.000099	0.0012	0.082	0.0056	0.0097	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	March		0.000096	0.0012	0.080	0.0055	0.0097	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	April		0.000083	0.0010	0.069	0.0047	0.0078	0.0026	0.000045	0.45	0.0099	1.6	0.0045	0.000045	0.00019	0.0029
	May		0.000086	0.0011	0.072	0.0049	0.0077	0.0027	0.000047	0.46	0.010	1.7	0.0047	0.000047	0.00019	0.0030
	June		0.000087	0.0011	0.072	0.0049	0.0071	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	July	**2042**	0.000087	0.0011	0.073	0.0050	0.0063	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	August		0.000090	0.0011	0.075	0.0051	0.0063	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	September		0.000093	0.0011	0.077	0.0053	0.0065	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	October		0.000083	0.0010	0.069	0.0047	0.0058	0.0026	0.000045	0.44	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	November		0.000082	0.0010	0.068	0.0046	0.0063	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	December		0.000082	0.0010	0.068	0.0046	0.0068	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	January		0.000082	0.0010	0.068	0.0046	0.0073	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
Operations	**February**		0.000082	0.0010	0.068	0.0046	0.0077	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	March		0.000082	0.0010	0.068	0.0046	0.0081	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	April		0.000075	0.00093	0.063	0.0043	0.0070	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	May		0.000079	0.00097	0.065	0.0045	0.0067	0.0025	0.000043	0.42	0.0093	1.5	0.0043	0.000043	0.00018	0.0027
	June		0.000083	0.0010	0.069	0.0047	0.0066	0.0026	0.000045	0.45	0.0099	1.6	0.0045	0.000045	0.00019	0.0029
	July	**2043**	0.000092	0.0011	0.076	0.0052	0.0068	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	August		0.000089	0.0011	0.074	0.0051	0.0062	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	September		0.000081	0.0010	0.068	0.0046	0.0055	0.0025	0.000044	0.44	0.0096	1.6	0.0044	0.000044	0.00018	0.0028
	October		0.000074	0.00091	0.062	0.0042	0.0050	0.0023	0.000040	0.40	0.0088	1.4	0.0040	0.000040	0.00017	0.0026
	November		0.000069	0.00085	0.057	0.0039	0.0049	0.0022	0.000037	0.37	0.0082	1.3	0.0037	0.000037	0.00015	0.0024
	December		0.000069	0.00085	0.057	0.0039	0.0054	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	January		0.000069	0.00085	0.057	0.0039	0.0058	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	February		0.000069	0.00085	0.057	0.0039	0.0062	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	March		0.000068	0.00084	0.057	0.0039	0.0065	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	April		0.000067	0.00083	0.056	0.0038	0.0057	0.0021	0.000037	0.36	0.0080	1.3	0.0037	0.000037	0.00015	0.0023
	May		0.000082	0.0010	0.068	0.0046	0.0068	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	June		0.00010	0.0013	0.084	0.0058	0.0084	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	July	**2044**	0.00011	0.0013	0.089	0.0061	0.0083	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	August		0.00014	0.0017	0.12	0.0080	0.011	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	September		0.00017	0.0021	0.14	0.0097	0.014	0.0053	0.000092	0.92	0.020	3.3	0.0092	0.000092	0.00038	0.0059
	October		0.00017	0.0021	0.14	0.0099	0.015	0.0055	0.000094	0.94	0.021	3.4	0.0094	0.000094	0.00039	0.0060
	November		0.00018	0.0022	0.15	**0.010**	0.016	0.0056	0.000097	0.96	0.021	3.4	0.0097	0.000097	0.00040	0.0062
	December		0.00018	0.0022	0.15	**0.010**	0.017	0.0056	0.000096	0.95	0.021	3.4	0.0096	0.000096	0.00040	0.0061
	January		0.00018	0.0022	0.15	**0.010**	0.018	0.0055	0.000096	0.95	0.021	3.4	0.0096	0.000096	0.00040	0.0061
	February		0.00018	0.0022	0.15	**0.010**	0.018	0.0055	0.000096	0.95	0.021	3.4	0.0096	0.000096	0.00040	0.0061
	March		0.00017	0.0020	0.14	0.0094	0.017	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	April		0.00014	0.0017	0.11	0.0078	0.014	0.0043	0.000075	0.74	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	May	**2045**	0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000072	0.71	0.016	2.5	0.0072	0.000072	0.00030	0.0046
	June		0.00013	0.0017	0.11	0.0076	0.012	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	July		0.00014	0.0018	0.12	0.0082	0.013	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	August		0.00016	0.0020	0.13	0.0092	0.014	0.0051	0.000088	0.87	0.019	3.1	0.0088	0.000088	0.00036	0.0056
	September		0.00018	0.0022	0.15	**0.010**	0.016	0.0056	0.000097	0.96	0.021	3.5	0.0097	0.000097	0.00040	0.0062

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October	**2045**	0.088	0.33	0.00100	**0.000083**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000096	0.021	0.62	0.16	0.0000079
	November		0.085	0.32	0.00096	**0.000080**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000093	0.021	0.59	0.15	0.0000077
	December		0.083	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.020	0.58	0.15	0.0000075
	January	**2046**	0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	February		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	March		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00041	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000067
	April		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	May		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	June		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	July		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0011	0.00028	0.082	0.000067	0.015	0.43	0.11	0.0000055
	August		0.059	0.23	0.00067	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.079	0.000065	0.014	0.42	0.10	0.0000054
	September		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000060	0.013	0.38	0.096	0.0000049
	October		0.050	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000054	0.012	0.35	0.088	0.0000045
	November		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	December		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	January	**2047**	0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	February		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	April		0.042	0.16	0.00048	0.000040	0.95	1.2	0.00023	0.00079	0.00019	0.056	0.000046	0.010	0.30	0.075	0.0000038
	May		0.042	0.16	0.00048	0.000040	0.95	1.2	0.00023	0.00079	0.00019	0.056	0.000046	0.010	0.29	0.074	0.0000038
	June		0.052	0.20	0.00058	0.000049	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000057	0.013	0.36	0.091	0.0000047
	July		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00029	0.00100	0.00024	0.071	0.000059	0.013	0.37	0.094	0.0000048
	August		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.093	0.0000048
	September		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.40	0.100	0.0000051
	October		0.060	0.23	0.00068	**0.000057**	1.3	1.8	0.00033	0.0011	0.00027	0.080	0.000066	0.015	0.42	0.11	0.0000054
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	December		0.058	0.22	0.00065	**0.000054**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.40	0.10	0.0000052
	January	**2048**	0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000063	0.014	0.40	0.10	0.0000052
	February		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.10	0.0000051
	March		0.057	0.22	0.00064	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.10	0.0000051
	April		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.094	0.0000048
Operations	**May**		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00029	0.0010	0.00024	0.071	0.000059	0.013	0.37	0.094	0.0000048
	June		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000072	0.016	0.46	0.12	0.0000059
	July		0.058	0.22	0.00065	**0.000054**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.40	0.10	0.0000052
	August		0.047	0.18	0.00053	0.000045	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000052	0.012	0.33	0.083	0.0000043
	September		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	October		0.044	0.17	0.00050	0.000041	0.99	1.3	0.00024	0.00082	0.00020	0.059	0.000048	0.011	0.31	0.077	0.0000040
	November		0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	December		0.043	0.16	0.00049	0.000040	0.96	1.3	0.00023	0.00080	0.00019	0.057	0.000047	0.010	0.30	0.076	0.0000039
	January	**2049**	0.041	0.15	0.00046	0.000038	0.92	1.2	0.00022	0.00076	0.00019	0.054	0.000045	0.0099	0.29	0.072	0.0000037
	February		0.040	0.15	0.00046	0.000038	0.90	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0098	0.28	0.071	0.0000036
	March		0.039	0.15	0.00044	0.000037	0.88	1.1	0.00021	0.00073	0.00018	0.052	0.000043	0.0095	0.27	0.069	0.0000035
	April		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	May		0.041	0.16	0.00047	0.000039	0.93	1.2	0.00023	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.073	0.0000037
	June		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	July		0.044	0.17	0.00050	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	August		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00088	0.00022	0.063	0.000052	0.012	0.33	0.083	0.0000043
	September		0.045	0.17	0.00051	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	October		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.072	0.0000037
	November		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0092	0.26	0.066	0.0000034
	December		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	January	**2050**	0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	February		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	March		0.037	0.14	0.00042	0.000035	0.83	1.1	0.00020	0.00069	0.00017	0.049	0.000040	0.0090	0.26	0.065	0.0000033
	April		0.034	0.13	0.00038	0.000032	0.76	0.99	0.00018	0.00063	0.00015	0.045	0.000037	0.0082	0.24	0.059	0.0000030
	May		0.035	0.13	0.00040	0.000033	0.79	1.0	0.00019	0.00065	0.00016	0.047	0.000038	0.0085	0.24	0.062	0.0000032
	June		0.038	0.14	0.00043	0.000036	0.86	1.1	0.00021	0.00071	0.00017	0.051	0.000042	0.0093	0.27	0.067	0.0000034
	July		0.054	0.21	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	August		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000072	0.016	0.46	0.12	0.0000059
	September		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	October		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.084	0.000069	0.015	0.44	0.11	0.0000056
	November		0.059	0.23	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.079	0.000065	0.014	0.41	0.10	0.0000053
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October	**2045**	0.00018	0.0022	0.15	**0.010**	0.016	0.0056	0.000096	0.96	0.021	3.4	0.0096	0.000096	0.00040	0.0062
	November		0.00017	0.0021	0.14	0.0097	0.016	0.0054	0.000093	0.92	0.020	3.3	0.0093	0.000093	0.00039	0.0059
	December		0.00017	0.0021	0.14	0.0096	0.017	0.0053	0.000092	0.91	0.020	3.3	0.0092	0.000092	0.00038	0.0058
	January	**2046**	0.00016	0.0020	0.14	0.0093	0.016	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	February		0.00016	0.0020	0.14	0.0093	0.017	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	March		0.00015	0.0018	0.12	0.0085	0.016	0.0047	0.000081	0.81	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	April		0.00013	0.0016	0.11	0.0074	0.013	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	May		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	June		0.00013	0.0016	0.11	0.0074	0.012	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	July		0.00012	0.0015	0.10	0.0071	0.011	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	August		0.00012	0.0015	0.100	0.0068	0.0099	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
	September		0.00011	0.0014	0.091	0.0062	0.0088	0.0034	0.000060	0.59	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	October		0.00010	0.0012	0.084	0.0057	0.0080	0.0031	0.000054	0.54	0.012	1.9	0.0054	0.000054	0.00023	0.0035
	November		0.000096	0.0012	0.080	0.0054	0.0080	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	December		0.000096	0.0012	0.080	0.0054	0.0085	0.0030	0.000052	0.52	0.011	1.8	0.0052	0.000052	0.00022	0.0033
	January	**2047**	0.000096	0.0012	0.080	0.0054	0.0090	0.0030	0.000052	0.52	0.011	1.8	0.0052	0.000052	0.00022	0.0033
	February		0.000096	0.0012	0.080	0.0054	0.0094	0.0030	0.000052	0.52	0.011	1.8	0.0052	0.000052	0.00022	0.0033
	March		0.000094	0.0012	0.078	0.0053	0.0094	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	April		0.000085	0.0011	0.071	0.0048	0.0082	0.0027	0.000046	0.46	0.010	1.6	0.0046	0.000046	0.00019	0.0030
	May		0.000085	0.0011	0.071	0.0048	0.0075	0.0027	0.000046	0.46	0.010	1.6	0.0046	0.000046	0.00019	0.0029
	June		0.00010	0.0013	0.087	0.0059	0.0089	0.0033	0.000057	0.56	0.012	2.0	0.0057	0.000057	0.00023	0.0036
	July		0.00011	0.0013	0.090	0.0061	0.0085	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	August		0.00011	0.0013	0.089	0.0061	0.0079	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	September		0.00011	0.0014	0.095	0.0065	0.0087	0.0036	0.000062	0.61	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	October		0.00012	0.0015	0.10	0.0069	0.0097	0.0038	0.000066	0.65	0.014	2.3	0.0066	0.000066	0.00027	0.0042
	November		0.00012	0.0015	0.098	0.0067	0.0100	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	December		0.00012	0.0014	0.097	0.0066	0.010	0.0036	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	January	**2048**	0.00012	0.0014	0.096	0.0066	0.011	0.0036	0.000063	0.62	0.014	2.2	0.0063	0.000063	0.00026	0.0040
	February		0.00012	0.0014	0.096	0.0065	0.011	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	March		0.00011	0.0014	0.096	0.0065	0.012	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	April		0.00011	0.0013	0.089	0.0061	0.011	0.0034	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
Operations	**May**		0.00011	0.0013	0.090	0.0061	0.011	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	June		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000072	0.71	0.016	2.5	0.0072	0.000072	0.00030	0.0046
	July		0.00012	0.0014	0.097	0.0066	0.010	0.0036	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	August		0.000095	0.0012	0.079	0.0054	0.0072	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00021	0.0033
	September		0.000092	0.0011	0.077	0.0052	0.0068	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	October		0.000089	0.0011	0.074	0.0050	0.0068	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	November		0.000088	0.0011	0.073	0.0050	0.0073	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	December		0.000087	0.0011	0.072	0.0049	0.0076	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00019	0.0030
	January	**2049**	0.000082	0.0010	0.069	0.0047	0.0074	0.0026	0.000045	0.44	0.0098	1.6	0.0045	0.000045	0.00019	0.0028
	February		0.000081	0.0010	0.068	0.0046	0.0076	0.0025	0.000044	0.44	0.0096	1.6	0.0044	0.000044	0.00018	0.0028
	March		0.000079	0.00097	0.065	0.0045	0.0075	0.0025	0.000043	0.42	0.0093	1.5	0.0043	0.000043	0.00018	0.0027
	April		0.000075	0.00093	0.063	0.0043	0.0069	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	May		0.000083	0.0010	0.069	0.0047	0.0073	0.0026	0.000045	0.45	0.0099	1.6	0.0045	0.000045	0.00019	0.0029
	June		0.000090	0.0011	0.075	0.0051	0.0073	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	July		0.000088	0.0011	0.074	0.0050	0.0066	0.0028	0.000048	0.48	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	August		0.000096	0.0012	0.080	0.0054	0.0068	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00022	0.0033
	September		0.000092	0.0011	0.076	0.0052	0.0065	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	October		0.000083	0.0010	0.069	0.0047	0.0058	0.0026	0.000045	0.44	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	November		0.000076	0.00093	0.063	0.0043	0.0056	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	December		0.000075	0.00093	0.063	0.0043	0.0061	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	January	**2050**	0.000075	0.00093	0.063	0.0043	0.0066	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	February		0.000075	0.00093	0.063	0.0043	0.0070	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	March		0.000075	0.00092	0.062	0.0042	0.0072	0.0023	0.000040	0.40	0.0088	1.4	0.0040	0.000040	0.00017	0.0026
	April		0.000068	0.00084	0.056	0.0039	0.0058	0.0021	0.000037	0.37	0.0080	1.3	0.0037	0.000037	0.00015	0.0023
	May		0.000071	0.00087	0.059	0.0040	0.0060	0.0022	0.000038	0.38	0.0084	1.4	0.0038	0.000038	0.00016	0.0024
	June		0.000077	0.00095	0.064	0.0044	0.0061	0.0024	0.000042	0.41	0.0091	1.5	0.0042	0.000042	0.00017	0.0027
	July		0.00011	0.0013	0.091	0.0062	0.0089	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	August		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000072	0.71	0.016	2.5	0.0072	0.000072	0.00030	0.0046
	September		0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.68	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	October		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00028	0.0044
	November		0.00012	0.0015	0.100	0.0068	0.010	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
	December		0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041

GOLDER
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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	March		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	April		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00076	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	May		0.041	0.15	0.00046	0.000038	0.92	1.2	0.00022	0.00076	0.00018	0.054	0.000045	0.0099	0.28	0.072	0.0000037
	June		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	July		0.051	0.20	0.00058	0.000049	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	August		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	September		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	October		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	November		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	December		0.044	0.17	0.00050	0.000041	0.99	1.3	0.00024	0.00082	0.00020	0.059	0.000048	0.011	0.31	0.077	0.0000040
	January	**2052**	0.044	0.17	0.00050	0.000041	0.99	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	February		0.044	0.17	0.00050	0.000041	0.99	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	March		0.044	0.17	0.00050	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	April		0.040	0.15	0.00045	0.000037	0.89	1.2	0.00022	0.00074	0.00018	0.053	0.000043	0.0097	0.28	0.070	0.0000036
	May		0.042	0.16	0.00047	0.000039	0.94	1.2	0.00023	0.00078	0.00019	0.056	0.000046	0.010	0.29	0.073	0.0000037
	June		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	July		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000056	0.012	0.36	0.090	0.0000046
	August		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00029	0.00098	0.00024	0.070	0.000057	0.013	0.37	0.093	0.0000047
	September		0.060	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000066	0.015	0.42	0.11	0.0000055
	October		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	November		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	December		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
		MINIMUM	0.033	0.13	0.00038	0.000031	0.75	0.98	0.00018	0.00062	0.00015	0.045	0.000037	0.0081	0.23	0.059	0.0000030
		MAXIMUM	0.094	0.36	0.0011	**0.000089**	2.3	2.8	0.00053	0.0018	0.00044	0.15	0.00011	0.024	0.71	0.17	0.0000086
		AVERAGE	0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.080	0.000065	0.014	0.42	0.10	0.0000053
Decommissioning	**January**	**2053**	0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	February		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	March		0.060	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000066	0.015	0.42	0.11	0.0000055
	April		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	May		0.051	0.19	0.00057	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000055	0.012	0.35	0.089	0.0000046
	June		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	July		0.082	0.31	0.00093	**0.000078**	1.9	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.58	0.15	0.0000074
	August		0.087	0.33	0.00098	**0.000082**	2.0	2.6	0.00047	0.0016	0.00039	0.12	0.000095	0.021	0.61	0.15	0.0000078
	September		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	October		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	November		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	December		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	January	**2054**	0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	February		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	March		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00100	0.00024	0.071	0.000058	0.013	0.37	0.094	0.0000048
	April		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000051	0.011	0.33	0.083	0.0000042
	May		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	June		0.060	0.23	0.00068	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.080	0.000065	0.015	0.42	0.11	0.0000054
	July		0.073	0.28	0.00083	**0.000069**	1.7	2.2	0.00040	0.0014	0.00033	0.098	0.000081	0.018	0.51	0.13	0.0000066
	August		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	September		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	October		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	November		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	December		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	January	**2055**	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	February		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	March		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	April		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000056	0.012	0.36	0.090	0.0000046
	May		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000052	0.011	0.33	0.083	0.0000042
	June		0.050	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000054	0.012	0.35	0.088	0.0000045
	July		0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	August		0.051	0.19	0.00057	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000055	0.012	0.35	0.089	0.0000046
	September		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000060	0.013	0.38	0.096	0.0000049
	October		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	November		0.051	0.20	0.00058	0.000049	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	December		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	February		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	March		0.00011	0.0014	0.095	0.0065	0.012	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	April		0.000082	0.0010	0.068	0.0046	0.0069	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	May		0.000082	0.0010	0.068	0.0047	0.0065	0.0026	0.000045	0.44	0.0097	1.6	0.0045	0.000045	0.00018	0.0028
	June		0.000096	0.0012	0.080	0.0055	0.0076	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	July		0.00010	0.0013	0.087	0.0059	0.0079	0.0033	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	August		0.000096	0.0012	0.080	0.0054	0.0069	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	September		0.000096	0.0012	0.080	0.0055	0.0070	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	October		0.000092	0.0011	0.077	0.0052	0.0069	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	November		0.000092	0.0011	0.077	0.0052	0.0073	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	December		0.000089	0.0011	0.074	0.0050	0.0075	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	January	**2052**	0.000088	0.0011	0.074	0.0050	0.0079	0.0028	0.000048	0.48	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	February		0.000088	0.0011	0.074	0.0050	0.0084	0.0028	0.000048	0.48	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	March		0.000088	0.0011	0.073	0.0050	0.0087	0.0028	0.000048	0.48	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	April		0.000080	0.00099	0.067	0.0045	0.0072	0.0025	0.000043	0.43	0.0095	1.5	0.0043	0.000043	0.00018	0.0028
	May		0.000084	0.0010	0.070	0.0048	0.0070	0.0026	0.000046	0.45	0.0100	1.6	0.0046	0.000046	0.00019	0.0029
	June		0.000099	0.0012	0.083	0.0056	0.0082	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	July		0.00010	0.0013	0.085	0.0058	0.0079	0.0032	0.000056	0.55	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	August		0.00011	0.0013	0.088	0.0060	0.0079	0.0033	0.000057	0.57	0.013	2.0	0.0057	0.000057	0.00024	0.0037
	September		0.00012	0.0015	0.10	0.0069	0.0094	0.0038	0.000066	0.66	0.014	2.4	0.0066	0.000066	0.00028	0.0042
	October		0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	November		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.68	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	December		0.00013	0.0016	0.11	0.0072	0.012	0.0040	0.000069	0.68	0.015	2.5	0.0069	0.000069	0.00029	0.0044
		MINIMUM	0.000067	0.00083	0.056	0.0038	0.0049	0.0021	0.000037	0.36	0.0080	1.3	0.0037	0.000037	0.00015	0.0023
		MAXIMUM	0.00019	0.0024	0.18	**0.013**	0.021	0.0063	0.00011	1.1	0.024	3.7	0.011	0.00011	0.00044	0.0066
		AVERAGE	0.00012	0.0015	0.10	0.0069	0.011	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
Decommissioning	**January**	**2053**	0.00013	0.0016	0.11	0.0072	0.012	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00029	0.0044
	February		0.00013	0.0016	0.11	0.0072	0.013	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00029	0.0044
	March		0.00012	0.0015	0.10	0.0069	0.013	0.0038	0.000066	0.66	0.015	2.4	0.0066	0.000066	0.00028	0.0042
	April		0.000097	0.0012	0.081	0.0055	0.0090	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	May		0.00010	0.0013	0.085	0.0058	0.0091	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	June		0.00014	0.0017	0.11	0.0077	0.012	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	July		0.00017	0.0021	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0058
	August		0.00018	0.0022	0.15	0.0099	0.015	0.0055	0.000095	0.94	0.021	3.4	0.0095	0.000095	0.00039	0.0061
	September		0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	October		0.00011	0.0014	0.095	0.0065	0.0094	0.0036	0.000062	0.61	0.014	2.2	0.0062	0.000062	0.00026	0.0039
	November		0.00011	0.0013	0.091	0.0062	0.0093	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	December		0.00011	0.0013	0.091	0.0062	0.0099	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	January	**2054**	0.00011	0.0013	0.091	0.0062	0.010	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	February		0.00011	0.0013	0.091	0.0062	0.011	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	March		0.00011	0.0013	0.090	0.0061	0.011	0.0034	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	April		0.000095	0.0012	0.079	0.0054	0.0092	0.0030	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	May		0.000092	0.0011	0.077	0.0052	0.0082	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	June		0.00012	0.0015	0.10	0.0068	0.011	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
	July		0.00015	0.0018	0.12	0.0084	0.013	0.0046	0.000081	0.80	0.018	2.9	0.0081	0.000081	0.00033	0.0051
	August		0.00013	0.0016	0.11	0.0076	0.011	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	September		0.00014	0.0017	0.11	0.0077	0.011	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	October		0.00014	0.0017	0.11	0.0077	0.011	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	November		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.68	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	December		0.00013	0.0016	0.10	0.0072	0.012	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0044
	January	**2055**	0.00013	0.0016	0.10	0.0071	0.012	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0044
	February		0.00013	0.0016	0.10	0.0071	0.013	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	March		0.00013	0.0015	0.10	0.0071	0.013	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	April		0.00010	0.0013	0.086	0.0058	0.0099	0.0032	0.000056	0.55	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	May		0.000095	0.0012	0.079	0.0054	0.0085	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00021	0.0033
	June		0.00010	0.0012	0.084	0.0057	0.0086	0.0031	0.000054	0.54	0.012	1.9	0.0054	0.000054	0.00023	0.0035
	July		0.000088	0.0011	0.073	0.0050	0.0065	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	August		0.00010	0.0013	0.085	0.0058	0.0076	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	September		0.00011	0.0014	0.092	0.0063	0.0083	0.0035	0.000060	0.59	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	October		0.00011	0.0013	0.091	0.0062	0.0086	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	November		0.00010	0.0013	0.087	0.0059	0.0086	0.0033	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	December		0.00010	0.0013	0.086	0.0059	0.0092	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	February		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.012	0.36	0.091	0.0000046
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	April		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000051	0.011	0.33	0.083	0.0000042
	May		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00100	0.00024	0.071	0.000058	0.013	0.37	0.094	0.0000048
	June		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.084	0.000069	0.015	0.44	0.11	0.0000056
	July		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	August		0.066	0.25	0.00075	**0.000063**	1.5	2.0	0.00036	0.0012	0.00030	0.089	0.000073	0.016	0.46	0.12	0.0000060
	September		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	October		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	January	**2057**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	April		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	May		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	June		0.069	0.26	0.00079	**0.000065**	1.6	2.0	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	July		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	August		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.46	0.11	0.0000059
	September		0.075	0.28	0.00085	**0.000071**	1.7	2.2	0.00041	0.0014	0.00034	0.10	0.000082	0.018	0.53	0.13	0.0000068
	October		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0015	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	November		0.083	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.020	0.58	0.15	0.0000075
	December		0.083	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
		MINIMUM	0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
		MAXIMUM	0.087	0.33	0.00098	**0.000082**	2.0	2.6	0.00047	0.0016	0.00039	0.12	0.000095	0.021	0.61	0.15	0.0000078
		AVERAGE	0.060	0.23	0.00068	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.080	0.000065	0.015	0.42	0.11	0.0000054
Reclamation	**January**	**2058**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2059**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2060**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.00010	0.0013	0.086	0.0059	0.0097	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	February		0.00010	0.0013	0.086	0.0059	0.010	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	March		0.000094	0.0012	0.078	0.0053	0.0089	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	April		0.000095	0.0012	0.079	0.0054	0.0089	0.0030	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	May		0.00011	0.0013	0.090	0.0061	0.010	0.0034	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	June		0.00013	0.0016	0.11	0.0072	0.012	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00028	0.0044
	July		0.00013	0.0016	0.11	0.0076	0.011	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	August		0.00013	0.0017	0.11	0.0076	0.011	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0046
	September		0.00011	0.0013	0.091	0.0062	0.0086	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	October		0.00011	0.0014	0.095	0.0065	0.0093	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	November		0.00012	0.0015	0.098	0.0067	0.010	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	December		0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	January	**2057**	0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	February		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	March		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	April		0.000097	0.0012	0.081	0.0055	0.0094	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	May		0.00011	0.0014	0.094	0.0064	0.011	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	June		0.00014	0.0017	0.12	0.0080	0.014	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00032	0.0048
	July		0.00014	0.0017	0.11	0.0077	0.012	0.0043	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	August		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0046
	September		0.00015	0.0019	0.13	0.0086	0.013	0.0047	0.000082	0.82	0.018	2.9	0.0082	0.000082	0.00034	0.0052
	October		0.00017	0.0021	0.14	0.0095	0.015	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	November		0.00017	0.0021	0.14	0.0096	0.016	0.0053	0.000092	0.91	0.020	3.3	0.0092	0.000092	0.00038	0.0058
	December		0.00017	0.0021	0.14	0.0096	0.016	0.0053	0.000091	0.91	0.020	3.3	0.0091	0.000091	0.00038	0.0058
		MINIMUM	0.000088	0.0011	0.073	0.0050	0.0065	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0031
		MAXIMUM	0.00018	0.0022	0.15	0.0099	0.016	0.0055	0.000095	0.94	0.021	3.4	0.0095	0.000095	0.00039	0.0061
		AVERAGE	0.00012	0.0015	0.10	0.0068	0.011	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
Reclamation	**January**	**2058**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2059**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2060**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2061**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2062**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2063**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	**August**		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2064**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2065**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2061	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2062	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2063	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2064	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2065	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2066	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Reclamation	**April**	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2067**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Post-Closure	**January**	**≥2070**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-7: Scenario 11: Reasonable Upper Bound - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August	**2066**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	**February**		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July	**2067**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Post-Closure	**June**	**≥2070**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.0100	0.053	0.00013	0.0000099	4.0	0.99	0.00050	0.000099	0.00050	**0.46**	0.000099	0.037	1.4	0.056	0.0000040
	April		0.0087	0.047	0.00011	0.0000087	3.5	0.87	0.00044	0.000087	0.00044	**0.40**	0.000087	0.032	1.2	0.049	0.0000035
	May		0.0075	0.040	0.000097	0.0000075	3.0	0.75	0.00037	0.000075	0.00037	**0.35**	0.000075	0.027	1.0	0.042	0.0000030
	June		0.0073	0.039	0.000095	0.0000073	2.9	0.73	0.00037	0.000073	0.00037	**0.34**	0.000073	0.027	1.0	0.041	0.0000029
	July		0.0066	0.035	0.000086	0.0000066	2.6	0.66	0.00033	0.000066	0.00033	**0.31**	0.000066	0.024	0.93	0.037	0.0000026
	August		0.0062	0.033	0.000080	0.0000062	2.5	0.62	0.00031	0.000062	0.00031	0.28	0.000062	0.022	0.86	0.035	0.0000025
	September		0.0054	0.029	0.000071	0.0000054	2.2	0.54	0.00027	0.000054	0.00027	0.25	0.000054	0.020	0.76	0.031	0.0000022
	October		0.0049	0.026	0.000064	0.0000049	2.0	0.49	0.00025	0.000049	0.00025	0.23	0.000049	0.018	0.69	0.028	0.0000020
	November		0.0046	0.025	0.000060	0.0000046	1.9	0.46	0.00023	0.000046	0.00023	0.21	0.000046	0.017	0.65	0.026	0.0000019
	December		0.0046	0.024	0.000059	0.0000046	1.8	0.46	0.00023	0.000046	0.00023	0.21	0.000046	0.017	0.64	0.026	0.0000018
	January	**2026**	0.0046	0.024	0.000059	0.0000045	1.8	0.45	0.00023	0.000045	0.00023	0.21	0.000045	0.016	0.64	0.026	0.0000018
	February		0.0046	0.024	0.000059	0.0000045	1.8	0.45	0.00023	0.000045	0.00023	0.21	0.000045	0.016	0.64	0.026	0.0000018
	March		0.0030	2.0	0.000040	0.0000030	2.5	0.63	0.00015	0.000030	0.00015	0.14	0.000030	0.023	0.89	0.017	0.0000025
	April		0.00011	2.8	0.00011	0.0000012	4.7	2.7	0.0000057	0.0000017	0.0000072	0.0052	0.0000012	3.2	1.6	0.00072	0.000019
	May		0.0000013	3.4	0.000023	0.00000023	4.5	2.3	7.5E-08	0.00000017	0.00000039	0.000036	2.2E-08	2.6	1.5	0.000042	0.000016
	June		0.0000029	3.0	0.00018	0.0000018	5.6	4.2	0.00000017	0.00000079	0.0000027	0.0000078	0.00000011	6.2	1.8	0.000074	0.000034
	July		0.0000023	2.6	0.00015	0.0000015	6.1	5.0	0.00000013	0.00000063	0.0000022	0.0000043	9.1E-08	7.7	2.0	0.000049	0.000042
	August		0.0000029	2.5	0.00018	0.0000019	6.7	6.0	0.00000016	0.00000079	0.0000028	0.0000048	0.00000011	9.5	2.1	0.000057	0.000051
	September		0.0000019	2.5	0.00011	0.0000012	6.2	5.5	0.0000001	0.00000056	0.0000017	0.0000034	6.9E-08	8.4	1.9	0.000045	0.000046
	October		0.0000014	2.9	0.000082	0.00000086	6.2	5.3	7.8E-08	0.00000038	0.0000012	0.0000030	5.1E-08	8.0	2.0	0.000033	0.000044
	November		0.00000082	4.2	0.000042	0.00000043	6.1	4.5	5.5E-08	0.00000022	0.00000064	0.0000044	2.6E-08	6.3	2.0	0.000038	0.000036
	December		0.00000065	5.9	0.000019	0.0000002	5.2	2.6	6.0E-08	0.00000017	0.00000031	0.0000082	1.2E-08	2.7	1.8	0.000065	0.000018
	January	**2027**	0.00000054	8.4	0.0000078	7.8E-08	4.7	1.6	5.9E-08	0.00000014	0.00000015	0.0000095	5.5E-09	1.0	1.6	0.000073	0.0000094
	February		0.00000063	8.9	0.000012	0.00000013	4.6	1.5	6.5E-08	0.00000017	0.00000022	0.0000100	8.4E-09	0.70	1.6	0.000077	0.0000078
	March		0.0000023	5.6	0.00012	0.0000013	5.4	3.0	0.00000015	0.00000059	0.0000019	0.000010	7.7E-08	3.6	1.8	0.000089	0.000023
	April		0.0000024	3.4	0.00014	0.0000015	6.2	5.1	0.00000014	0.00000066	0.0000022	0.0000049	9.0E-08	7.7	2.0	0.000056	0.000043
	May		0.0000016	3.9	0.000092	0.00000096	6.2	5.0	9.1E-08	0.00000044	0.0000014	0.0000039	5.7E-08	7.4	2.0	0.000042	0.000042
	June		0.0000033	3.5	0.00021	0.0000022	6.5	5.5	0.00000019	0.00000086	0.0000031	0.0000067	0.00000013	8.5	2.1	0.000069	0.000047
	July		0.0000029	3.5	0.00018	0.0000019	6.8	5.9	0.00000017	0.00000078	0.0000028	0.0000054	0.00000012	9.3	2.2	0.000060	0.000051
	August		0.0000019	3.5	0.00011	0.0000011	6.0	5.1	0.0000001	0.00000056	0.0000016	0.0000040	6.7E-08	7.6	1.9	0.000051	0.000042
	September		0.0000012	4.1	0.000068	0.00000071	5.8	4.5	7.1E-08	0.00000033	0.0000010	0.0000036	4.3E-08	6.5	1.9	0.000037	0.000037
	October		0.0000020	5.7	0.00011	0.0000011	6.0	4.0	0.00000012	0.00000053	0.0000016	0.0000073	6.8E-08	5.5	2.0	0.000069	0.000032
	November		0.0000017	4.3	0.00010	0.0000011	6.2	4.7	0.0000001	0.00000047	0.0000015	0.0000044	6.3E-08	6.8	2.0	0.000046	0.000039
	December		0.00000032	5.9	0.0000081	7.9E-08	5.5	3.3	3.1E-08	8.7E-08	0.00000013	0.0000046	5.0E-09	4.2	1.8	0.000036	0.000026
	January	**2028**	0.00000037	13	0.0000023	2.0E-08	4.8	1.7	4.3E-08	9.7E-08	5.6E-08	0.0000074	1.9E-09	1.2	1.6	0.000057	0.000010
	February		0.0000004	13	0.00000094	6.9E-09	5.2	1.4	4.9E-08	0.00000011	4.2E-08	0.0000087	1.2E-09	0.20	1.8	0.000066	0.0000059
	March		0.0000004	13	0.0000009	6.6E-09	5.1	1.3	4.9E-08	0.00000011	4.1E-08	0.0000087	1.2E-09	0.064	1.8	0.000066	0.0000052
	April		0.0000020	8.4	0.00014	0.0000013	8.2	13	0.00000019	0.000035	0.0000029	0.000010	7.7E-08	3.6	2.9	0.000091	0.000062
	May		0.0000013	6.0	0.000096	0.00000086	15	38	0.00000024	0.00016	0.0000055	0.0000078	4.0E-08	4.0	7.2	0.00014	0.00018
	June		0.0000014	6.7	0.000100	0.00000091	14	36	0.00000023	0.00016	0.0000053	0.0000081	4.4E-08	3.1	7.3	0.00014	0.00017
	July		0.0000017	6.8	0.00014	0.0000013	18	49	0.0000003	0.00019	0.0000068	0.0000089	6.3E-08	4.2	9.5	0.00016	**0.00023**
	August		0.0000014	6.5	0.00011	0.0000011	20	55	0.00000031	0.00026	0.0000081	0.0000079	4.5E-08	3.7	11	0.00019	**0.00027**
	September		0.0000014	7.3	0.00012	0.0000011	19	53	0.00000031	0.00025	0.0000081	0.0000078	4.9E-08	3.4	12	0.00019	**0.00027**
	October		0.00000071	8.3	0.000050	0.00000047	15	37	0.00000014	0.00010	0.0000033	0.0000057	2.1E-08	2.3	8.7	0.000095	0.00019
	November		0.00000057	11	0.000030	0.00000028	12	27	0.00000011	0.000067	0.0000021	0.0000068	1.2E-08	1.6	6.9	0.000085	0.00014
	December		0.00000039	13	0.0000016	1.3E-08	6.7	6.7	4.9E-08	0.0000020	9.6E-08	0.0000084	1.4E-09	0.37	2.9	0.000065	0.000032
		MINIMUM	0.00000032	0.024	0.0000009	6.6E-09	1.8	0.45	3.1E-08	8.7E-08	4.1E-08	0.0000030	1.2E-09	0.016	0.64	0.000033	0.0000018
		MAXIMUM	0.010	13	0.00021	0.0000100	20	55	0.00050	0.00026	0.00050	**0.46**	0.00010	9.5	12	0.057	**0.00027**
		AVERAGE	0.0020	4.3	0.000086	0.0000026	6.3	8.7	0.00010	0.000046	0.00010	0.094	0.000020	3.2	2.7	0.012	0.000048
Operations	**January**	**2029**	0.094	7.8	0.032	0.0000059	427	**1877**	0.00029	0.0032	0.0031	0.021	0.000059	0.32	67	0.011	0.000024
	February		0.096	7.2	0.033	0.0000061	456	**2748**	0.00030	0.0032	0.0031	0.021	0.000060	0.28	96	0.012	0.000019
	March		0.092	6.8	0.032	0.0000060	456	**2714**	0.00029	0.0031	0.0030	0.020	0.000057	0.65	96	0.011	0.000046
	April		0.080	5.8	0.028	0.0000063	456	**2371**	0.00025	0.0029	0.0026	0.018	0.000050	3.7	88	0.0099	**0.00019**
	May		0.080	5.3	0.028	0.0000056	456	**2192**	0.00025	0.0029	0.0026	0.017	0.000050	1.6	83	0.0099	0.00018
	June		0.083	5.7	0.029	0.0000060	456	**2343**	0.00026	0.0030	0.0027	0.018	0.000052	2.4	88	0.010	0.00018
	July		0.083	5.8	0.029	0.0000060	456	**2349**	0.00026	0.0029	0.0027	0.018	0.000052	2.5	87	0.010	0.00016
	August		0.079	5.4	0.027	0.0000059	456	**2244**	0.00025	0.0029	0.0026	0.017	0.000049	2.8	85	0.0098	**0.00021**
	September		0.079	5.4	0.027	0.0000059	456	**2206**	0.00025	0.0029	0.0026	0.017	0.000049	2.9	84	0.0098	**0.00020**
	October		0.085	5.8	0.029	0.0000058	455	**2401**	0.00026	0.0030	0.0028	0.019	0.000053	1.5	88	0.010	0.00013
	November		0.092	6.6	0.032	0.0000060	455	**2635**	0.00029	0.0031	0.0030	0.020	0.000058	1.0	94	0.011	0.000075
	December		0.095	7.1	0.033	0.0000061	456	**2824**	0.00030	0.0032	0.0031	0.021	0.000060	0.33	99	0.012	0.000023

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.020	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.023	0.0100	0.00010	1.5	0.032	1.7	0.0100	0.00010	0.00050	0.0030
	March		0.000099	0.00050	0.50	**0.050**	0.025	0.0099	0.000099	1.5	0.032	1.7	0.0099	0.000099	0.00050	0.0030
	April		0.000087	0.00044	0.44	**0.044**	0.023	0.0087	0.000087	1.3	0.028	1.5	0.0087	0.000087	0.00044	0.0026
	May		0.000075	0.00037	0.37	**0.037**	0.021	0.0075	0.000075	1.1	0.024	1.3	0.0075	0.000075	0.00037	0.0022
	June		0.000073	0.00037	0.37	**0.037**	0.022	0.0073	0.000073	1.1	0.023	1.2	0.0073	0.000073	0.00037	0.0022
	July		0.000066	0.00033	0.33	**0.033**	0.020	0.0066	0.000066	0.99	0.021	1.1	0.0066	0.000066	0.00033	0.0020
	August		0.000062	0.00031	0.31	**0.031**	0.020	0.0062	0.000062	0.93	0.020	1.0	0.0062	0.000062	0.00031	0.0019
	September		0.000054	0.00027	0.27	**0.027**	0.018	0.0054	0.000054	0.81	0.017	0.92	0.0054	0.000054	0.00027	0.0016
	October		0.000049	0.00025	0.25	**0.025**	0.016	0.0049	0.000049	0.74	0.016	0.84	0.0049	0.000049	0.00025	0.0015
	November		0.000046	0.00023	0.23	**0.023**	0.016	0.0046	0.000046	0.69	0.015	0.79	0.0046	0.000046	0.00023	0.0014
	December		0.000046	0.00023	0.23	**0.023**	0.016	0.0046	0.000046	0.69	0.015	0.78	0.0046	0.000046	0.00023	0.0014
	January	**2026**	0.000045	0.00023	0.23	**0.023**	0.016	0.0045	0.000045	0.68	0.015	0.77	0.0045	0.000045	0.00023	0.0014
	February		0.000045	0.00023	0.23	**0.023**	0.016	0.0045	0.000045	0.68	0.015	0.77	0.0045	0.000045	0.00023	0.0014
	March		0.000030	0.00015	2.7	**0.032**	0.017	0.0030	0.000031	0.95	0.020	1.1	0.0063	0.000031	0.00015	0.00091
	April		0.038	0.000010	3.5	**0.047**	3.5	0.0021	0.0000066	1.6	0.051	17	0.023	**0.043**	0.0000065	0.000040
	May		0.0078	0.0000011	4.2	**0.047**	2.8	0.00043	0.0000014	1.6	0.047	14	0.020	0.0091	0.00000024	0.0000027
	June		0.062	0.0000069	3.5	**0.049**	6.8	0.0033	0.0000083	1.8	0.071	31	0.035	**0.069**	0.0000015	0.0000080
	July		0.051	0.0000057	2.9	**0.050**	8.4	0.0027	0.0000068	1.9	0.082	39	0.041	**0.057**	0.0000013	0.0000060
	August		0.065	0.0000072	2.6	**0.051**	10	0.0034	0.0000086	2.0	0.094	48	0.049	**0.072**	0.0000016	0.0000075
	September		0.039	0.0000044	2.7	**0.047**	9.2	0.0021	0.0000053	1.9	0.086	43	0.044	**0.044**	0.00000098	0.0000050
	October		0.029	0.0000033	3.2	**0.048**	8.7	0.0015	0.0000039	1.9	0.084	41	0.042	**0.032**	0.00000072	0.0000037
	November		0.015	0.0000018	4.8	**0.053**	6.9	0.00077	0.0000022	2.0	0.076	33	0.037	0.016	0.00000038	0.0000030
	December		0.0064	0.0000010	7.2	**0.056**	2.9	0.00035	0.0000015	1.8	0.054	15	0.022	0.0072	0.00000019	0.0000039
	January	**2027**	0.0024	0.00000064	10	**0.055**	1.1	0.00014	0.0000010	1.7	0.042	6.8	0.015	0.0027	0.0000001	0.0000040
	February		0.0040	0.00000083	11	**0.055**	0.73	0.00023	0.0000013	1.7	0.040	5.1	0.014	0.0045	0.00000014	0.0000044
	March		0.043	0.0000051	6.8	**0.056**	3.9	0.0023	0.0000063	1.9	0.059	20	0.025	**0.048**	0.0000011	0.0000078
	April		0.051	0.0000057	3.9	**0.050**	8.4	0.0027	0.0000068	1.9	0.083	40	0.041	**0.056**	0.0000013	0.0000065
	May		0.032	0.0000037	4.4	**0.051**	8.0	0.0017	0.0000044	2.0	0.082	38	0.040	**0.036**	0.00000081	0.0000044
	June		0.073	0.0000081	3.9	**0.052**	9.2	0.0038	0.0000097	2.0	0.089	43	0.045	**0.080**	0.0000018	0.0000088
	July		0.065	0.0000072	3.9	**0.053**	10	0.0034	0.0000087	2.1	0.095	48	0.048	**0.072**	0.0000016	0.0000077
	August		0.038	0.0000043	4.0	**0.048**	8.3	0.0020	0.0000051	1.9	0.081	39	0.041	**0.042**	0.00000094	0.0000052
	September		0.024	0.0000027	4.8	**0.049**	7.1	0.0013	0.0000033	1.9	0.075	34	0.037	0.027	0.0000006	0.0000036
	October		0.038	0.0000044	6.7	**0.056**	5.9	0.0020	0.0000054	2.0	0.072	29	0.033	**0.042**	0.00000097	0.0000063
	November		0.035	0.0000040	4.9	**0.053**	7.3	0.0019	0.0000049	2.0	0.079	35	0.038	**0.039**	0.0000009	0.0000049
	December		0.0025	0.00000046	7.0	**0.053**	4.6	0.00014	0.00000069	1.8	0.062	23	0.028	0.0029	8.2E-08	0.0000021
	January	**2028**	0.00049	0.00000035	15	**0.055**	1.3	0.000038	0.00000064	1.7	0.043	7.7	0.016	0.00057	4.4E-08	0.0000030
	February		0.000011	0.00000034	16	**0.064**	0.19	0.000014	0.00000067	1.9	0.042	3.0	0.014	0.000014	3.8E-08	0.0000035
	March		0.00000056	0.00000034	15	**0.063**	0.044	0.000014	0.00000067	1.9	0.041	2.2	0.013	0.0000011	3.8E-08	0.0000035
	April		0.043	0.000015	10	**0.079**	3.9	0.0024	0.000013	2.0	0.079	34	0.041	**0.048**	0.0000012	0.000024
	May		0.022	0.000048	7.0	**0.12**	4.3	0.0014	0.000032	2.1	0.14	92	0.079	0.025	0.0000007	0.000070
	June		0.024	0.000045	7.9	**0.12**	3.3	0.0015	0.000031	2.1	0.13	89	0.073	0.027	0.00000075	0.000066
	July		0.036	0.000057	8.0	**0.15**	4.6	0.0021	0.000039	2.4	0.17	120	0.098	**0.040**	0.0000011	0.000083
	August		0.025	0.000073	7.7	**0.16**	4.0	0.0016	0.000048	2.4	0.18	141	0.11	0.029	0.00000083	0.00010
	September		0.027	0.000072	8.6	**0.16**	3.7	0.0017	0.000048	2.4	0.19	145	0.10	**0.031**	0.00000088	0.00010
	October		0.012	0.000029	9.9	**0.12**	2.4	0.00073	0.000020	2.1	0.14	99	0.073	0.013	0.00000038	0.000042
	November		0.0066	0.000019	13	**0.11**	1.8	0.00042	0.000013	2.2	0.11	73	0.057	0.0074	0.00000024	0.000028
	December		0.00015	0.00000085	15	**0.075**	0.38	0.000023	0.0000010	2.0	0.057	17	0.022	0.00017	4.1E-08	0.0000041
		MINIMUM	0.00000056	0.00000034	0.23	**0.023**	0.016	0.000014	0.00000064	0.68	0.015	0.77	0.0045	0.0000011	3.8E-08	0.0000021
		MAXIMUM	0.073	0.00050	16	**0.16**	10	0.0100	0.00010	2.4	0.19	145	0.11	**0.080**	0.00050	0.0030
		AVERAGE	0.019	0.00011	5.2	**0.060**	3.4	0.0031	0.000028	1.7	0.065	31	0.032	0.021	0.00010	0.00063
Operations	**January**	**2029**	0.0035	0.0082	9.5	**0.081**	0.31	0.11	0.00047	827	13	**2711**	0.89	0.0099	0.0016	0.0015
	February		0.0036	0.0084	8.8	**0.086**	0.26	0.11	0.00048	885	19	**2900**	1.3	0.011	0.0016	0.0016
	March		0.0076	0.0081	8.3	**0.096**	0.66	0.11	0.00047	884	18	**2898**	1.3	0.015	0.0016	0.0015
	April		0.036	0.0071	6.9	**0.16**	4.0	0.098	0.00044	885	16	**2899**	1.2	**0.047**	0.0014	0.0014
	May		0.014	0.0070	6.4	**0.14**	1.7	0.096	0.00044	884	15	**2897**	1.1	0.022	0.0013	0.0014
	June		0.022	0.0073	6.8	**0.15**	2.6	0.100	0.00045	886	16	**2903**	1.1	**0.031**	0.0014	0.0014
	July		0.024	0.0073	6.9	**0.14**	2.6	0.10	0.00045	885	16	**2899**	1.1	**0.033**	0.0014	0.0014
	August		0.025	0.0070	6.4	**0.16**	3.0	0.096	0.00043	884	15	**2898**	1.1	**0.034**	0.0013	0.0014
	September		0.025	0.0070	6.4	**0.16**	3.1	0.096	0.00043	884	15	**2898**	1.1	**0.034**	0.0013	0.0014
	October		0.013	0.0075	7.0	**0.13**	1.6	0.10	0.00045	884	16	**2896**	1.2	0.021	0.0014	0.0015
	November		0.0080	0.0081	7.9	**0.11**	1.1	0.11	0.00047	884	18	**2896**	1.3	0.015	0.0016	0.0016
	December		0.0036	0.0084	8.6	**0.088**	0.32	0.11	0.00048	884	19	**2898**	1.3	0.011	0.0016	0.0016

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.10	6.2	0.036	0.0000065	456	**2367**	0.00032	0.0035	0.0034	0.023	0.000065	0.21	83	0.013	0.000016
	February		0.10	5.7	0.035	0.0000065	456	**2162**	0.00031	0.0034	0.0033	0.022	0.000063	0.50	76	0.012	0.000032
	March		0.100	5.5	0.034	0.0000065	456	**2082**	0.00031	0.0034	0.0032	0.022	0.000062	0.68	75	0.012	0.000054
	April		0.089	4.8	0.031	0.0000066	459	**1842**	0.00028	0.0032	0.0029	0.019	0.000056	2.8	70	0.011	0.00018
	May		0.093	5.0	0.032	0.0000067	458	**1895**	0.00029	0.0033	0.0030	0.020	0.000058	2.4	71	0.011	0.00016
	June		0.088	4.7	0.031	0.0000067	459	**1830**	0.00028	0.0032	0.0029	0.019	0.000055	3.3	70	0.011	**0.00021**
	July	**2030**	0.088	4.7	0.030	0.0000068	459	**1775**	0.00027	0.0032	0.0029	0.019	0.000055	3.7	69	0.011	**0.00024**
	August		0.088	4.7	0.031	0.0000066	458	**1839**	0.00028	0.0032	0.0029	0.019	0.000055	2.9	72	0.011	**0.00023**
	September		0.089	4.7	0.031	0.0000065	459	**1798**	0.00028	0.0032	0.0029	0.019	0.000055	2.6	70	0.011	**0.00022**
	October		0.089	4.7	0.031	0.0000065	459	**1833**	0.00028	0.0032	0.0029	0.020	0.000056	2.1	70	0.011	0.00017
	November		0.098	5.2	0.034	0.0000063	457	**1952**	0.00031	0.0034	0.0032	0.021	0.000061	0.54	72	0.012	0.000097
	December		0.10	5.6	0.035	0.0000065	456	**2102**	0.00032	0.0034	0.0033	0.022	0.000063	0.53	75	0.012	0.000045
	January		0.11	5.0	0.036	0.0000068	456	**1922**	0.00033	0.0036	0.0034	0.023	0.000066	0.45	68	0.013	0.000038
	February		0.11	4.9	0.037	0.0000069	455	**1889**	0.00034	0.0037	0.0035	0.024	0.000068	0.19	67	0.013	0.000019
	March		0.11	4.8	0.037	0.0000069	456	**1842**	0.00033	0.0036	0.0034	0.023	0.000066	0.57	66	0.013	0.000043
	April		0.096	4.3	0.033	0.0000070	458	**1697**	0.00030	0.0034	0.0031	0.021	0.000060	2.7	63	0.012	0.00015
	May		0.095	4.0	0.033	0.0000066	459	**1601**	0.00030	0.0034	0.0031	0.021	0.000060	1.6	61	0.012	0.00015
	June		0.096	4.2	0.033	0.0000068	458	**1673**	0.00030	0.0034	0.0031	0.021	0.000060	1.7	63	0.012	0.00013
	July	**2031**	0.096	4.1	0.033	0.0000067	458	**1669**	0.00030	0.0034	0.0031	0.021	0.000060	1.9	63	0.012	0.00014
	August		0.098	4.3	0.034	0.0000070	458	**1665**	0.00031	0.0035	0.0032	0.022	0.000062	2.1	63	0.012	0.00015
	September		0.095	4.1	0.033	0.0000068	458	**1643**	0.00030	0.0034	0.0031	0.021	0.000060	2.2	63	0.012	0.00017
	October		0.100	4.4	0.034	0.0000068	457	**1712**	0.00031	0.0035	0.0032	0.022	0.000062	1.4	64	0.012	0.00012
	November		0.11	4.7	0.037	0.0000069	455	**1822**	0.00034	0.0037	0.0035	0.024	0.000067	0.43	66	0.013	0.000048
	December		0.11	4.9	0.037	0.0000068	456	**1876**	0.00033	0.0036	0.0035	0.023	0.000067	0.25	66	0.013	0.000024
	January		0.11	5.1	0.039	0.0000072	454	**1740**	0.00035	0.0038	0.0037	0.025	0.000071	0.25	62	0.014	0.000025
	February		0.11	5.2	0.039	0.0000072	455	**1744**	0.00035	0.0038	0.0037	0.025	0.000071	0.17	62	0.014	0.000019
	March		0.10	4.5	0.035	0.0000069	458	**1604**	0.00032	0.0035	0.0033	0.022	0.000063	1.4	59	0.012	0.000097
	April		0.096	4.3	0.033	0.0000070	458	**1540**	0.00030	0.0034	0.0031	0.021	0.000060	2.6	58	0.012	0.00016
	May		0.098	4.2	0.034	0.0000067	457	**1521**	0.00031	0.0035	0.0032	0.021	0.000061	1.3	58	0.012	0.00013
	June	**2032**	0.10	4.5	0.035	0.0000070	458	**1588**	0.00032	0.0035	0.0033	0.022	0.000063	1.5	59	0.012	0.00011
	July		0.096	4.3	0.033	0.0000072	458	**1542**	0.00030	0.0034	0.0031	0.021	0.000060	3.2	59	0.012	0.00018
Operations	**August**		0.096	4.2	0.033	0.0000068	458	**1506**	0.00030	0.0034	0.0031	0.021	0.000060	1.8	58	0.012	0.00016
	September		0.10	4.4	0.035	0.0000068	458	**1574**	0.00031	0.0035	0.0033	0.022	0.000063	1.1	60	0.012	0.00012
	October		0.10	4.6	0.036	0.0000070	456	**1641**	0.00033	0.0036	0.0034	0.023	0.000066	1.0	60	0.013	0.000083
	November		0.11	5.0	0.038	0.0000071	455	**1718**	0.00034	0.0037	0.0036	0.024	0.000068	0.50	62	0.013	0.000047
	December		0.11	5.2	0.038	0.0000070	455	**1816**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	64	0.013	0.000021
	January		0.11	4.8	0.038	0.0000069	455	**1823**	0.00034	0.0037	0.0035	0.024	0.000068	0.17	64	0.013	0.000021
	February		0.11	4.7	0.038	0.0000070	455	**1824**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000021
	March		0.11	4.7	0.038	0.0000070	455	**1813**	0.00034	0.0037	0.0036	0.024	0.000069	0.25	64	0.013	0.000027
	April		0.097	4.0	0.034	0.0000075	457	**1547**	0.00030	0.0034	0.0032	0.021	0.000061	3.8	59	0.012	0.00016
	May		0.095	3.8	0.033	0.0000066	458	**1520**	0.00030	0.0034	0.0031	0.021	0.000060	1.4	59	0.012	0.00018
	June		0.097	3.9	0.033	0.0000068	457	**1560**	0.00030	0.0034	0.0031	0.021	0.000061	1.7	60	0.012	0.00015
	July	**2033**	0.10	4.1	0.035	0.0000070	457	**1616**	0.00032	0.0036	0.0033	0.022	0.000064	1.5	61	0.012	0.00013
	August		0.097	3.9	0.034	0.0000069	458	**1572**	0.00030	0.0034	0.0032	0.021	0.000061	2.0	60	0.012	0.00015
	September		0.099	4.0	0.034	0.0000069	458	**1585**	0.00031	0.0035	0.0032	0.022	0.000062	1.7	60	0.012	0.00013
	October		0.10	4.2	0.036	0.0000070	457	**1663**	0.00032	0.0036	0.0033	0.023	0.000064	1.4	62	0.013	0.00011
	November		0.10	4.3	0.036	0.0000070	456	**1674**	0.00033	0.0036	0.0034	0.023	0.000065	1.1	62	0.013	0.000095
	December		0.11	4.7	0.038	0.0000069	455	**1814**	0.00034	0.0037	0.0035	0.024	0.000068	0.22	64	0.013	0.000025
	January		0.11	4.8	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000021
	February		0.11	4.7	0.037	0.0000069	456	**1804**	0.00034	0.0037	0.0035	0.024	0.000068	0.24	64	0.013	0.000026
	March		0.11	4.5	0.037	0.0000070	456	**1734**	0.00033	0.0036	0.0034	0.023	0.000066	0.76	63	0.013	0.000066
	April		0.098	4.1	0.034	0.0000071	457	**1630**	0.00031	0.0034	0.0032	0.021	0.000061	2.6	61	0.012	0.00014
	May		0.099	4.0	0.034	0.0000066	457	**1561**	0.00031	0.0035	0.0032	0.022	0.000062	0.77	59	0.012	0.00011
	June		0.096	3.9	0.033	0.0000077	456	**1462**	0.00030	0.0034	0.0031	0.021	0.000060	4.7	57	0.012	**0.00020**
	July	**2034**	0.095	3.8	0.033	0.0000074	456	**1383**	0.00030	0.0034	0.0031	0.021	0.000060	3.7	55	0.012	**0.00023**
	August		0.095	3.7	0.033	0.0000070	456	**1416**	0.00030	0.0034	0.0031	0.021	0.000060	2.3	56	0.012	**0.00022**
	September		0.095	3.8	0.033	0.0000070	457	**1545**	0.00030	0.0035	0.0031	0.021	0.000060	2.5	62	0.012	**0.00022**
	October		0.096	3.9	0.033	0.0000065	458	**1553**	0.00030	0.0034	0.0031	0.021	0.000060	0.72	61	0.012	0.00015
	November		0.11	4.4	0.036	0.0000069	456	**1672**	0.00033	0.0036	0.0034	0.023	0.000066	0.59	62	0.013	0.000094
	December		0.11	4.6	0.037	0.0000070	456	**1748**	0.00034	0.0037	0.0035	0.024	0.000067	0.56	63	0.013	0.000052
	January		0.11	4.7	0.038	0.0000070	455	**1814**	0.00034	0.0037	0.0036	0.024	0.000069	0.21	64	0.013	0.000024
	February	**2035**	0.11	4.6	0.037	0.0000070	455	**1769**	0.00034	0.0037	0.0035	0.024	0.000067	0.50	63	0.013	0.000046
	March		0.11	4.7	0.038	0.0000070	455	**1819**	0.00034	0.0037	0.0036	0.024	0.000069	0.18	64	0.013	0.000022

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.0039	0.0090	7.6	**0.080**	0.19	0.12	0.00052	885	16	**2901**	1.1	0.010	0.0017	0.0017
	February		0.0078	0.0088	7.0	**0.084**	0.50	0.11	0.00051	886	15	**2902**	1.0	0.014	0.0017	0.0017
	March		0.0082	0.0088	6.8	**0.092**	0.70	0.11	0.00051	886	14	**2903**	0.99	0.015	0.0017	0.0017
	April		0.028	0.0078	5.7	**0.14**	3.0	0.10	0.00048	890	12	**2917**	0.91	**0.037**	0.0015	0.0015
	May		0.026	0.0082	6.0	**0.13**	2.5	0.11	0.00050	888	13	**2910**	0.93	**0.034**	0.0016	0.0016
	June		0.033	0.0078	5.6	**0.15**	3.6	0.10	0.00048	891	12	**2918**	0.92	**0.042**	0.0015	0.0015
	July	**2030**	0.036	0.0078	5.5	**0.16**	4.0	0.10	0.00049	890	12	**2916**	0.90	**0.045**	0.0015	0.0015
	August		0.029	0.0078	5.6	**0.16**	3.1	0.10	0.00049	889	12	**2914**	0.92	**0.037**	0.0015	0.0015
	September		0.025	0.0078	5.5	**0.15**	2.8	0.10	0.00049	890	12	**2917**	0.90	**0.033**	0.0015	0.0015
	October		0.023	0.0079	5.7	**0.14**	2.3	0.10	0.00048	891	12	**2919**	0.90	**0.031**	0.0015	0.0015
	November		0.0041	0.0086	6.3	**0.11**	0.54	0.11	0.00051	887	13	**2907**	0.94	0.010	0.0016	0.0016
	December		0.0070	0.0088	6.9	**0.088**	0.53	0.11	0.00051	886	14	**2902**	1.00	0.014	0.0017	0.0017
	January		0.0064	0.0092	6.2	**0.084**	0.45	0.12	0.00054	885	13	**2899**	0.91	0.012	0.0018	0.0017
	February		0.0042	0.0095	6.1	**0.077**	0.17	0.12	0.00055	884	13	**2895**	0.89	0.0099	0.0018	0.0018
	March		0.0086	0.0093	5.9	**0.086**	0.57	0.12	0.00054	885	13	**2900**	0.87	0.015	0.0018	0.0017
	April		0.030	0.0084	5.1	**0.13**	2.9	0.11	0.00051	889	11	**2914**	0.84	**0.039**	0.0016	0.0016
	May		0.016	0.0084	4.9	**0.12**	1.7	0.10	0.00051	890	11	**2917**	0.79	0.022	0.0016	0.0016
	June		0.020	0.0085	5.1	**0.12**	1.8	0.11	0.00051	888	11	**2911**	0.82	0.027	0.0016	0.0016
	July	**2031**	0.020	0.0084	5.0	**0.12**	2.0	0.11	0.00051	889	11	**2913**	0.82	0.027	0.0016	0.0016
	August		0.022	0.0087	5.2	**0.13**	2.2	0.11	0.00053	889	11	**2912**	0.82	0.029	0.0017	0.0017
	September		0.023	0.0084	5.0	**0.13**	2.4	0.11	0.00051	888	11	**2911**	0.81	**0.031**	0.0016	0.0016
	October		0.016	0.0088	5.3	**0.11**	1.5	0.11	0.00052	888	12	**2908**	0.83	0.023	0.0017	0.0017
	November		0.0048	0.0094	5.9	**0.087**	0.43	0.12	0.00055	884	12	**2897**	0.87	0.011	0.0018	0.0017
	December		0.0049	0.0094	6.1	**0.078**	0.23	0.12	0.00054	885	13	**2900**	0.89	0.011	0.0018	0.0017
	January		0.0050	0.0099	6.3	**0.076**	0.24	0.12	0.00057	882	12	**2890**	0.82	0.010	0.0019	0.0018
	February		0.0044	0.0099	6.5	**0.074**	0.14	0.12	0.00057	883	12	**2892**	0.82	0.0098	0.0019	0.0018
	March		0.017	0.0089	5.6	**0.10**	1.4	0.11	0.00053	888	11	**2911**	0.78	0.023	0.0017	0.0017
	April		0.028	0.0085	5.1	**0.13**	2.8	0.11	0.00051	889	10	**2912**	0.77	**0.036**	0.0016	0.0016
	May		0.015	0.0086	5.2	**0.11**	1.4	0.11	0.00052	887	10	**2908**	0.75	0.021	0.0017	0.0016
	June	**2032**	0.018	0.0089	5.5	**0.11**	1.6	0.11	0.00053	888	11	**2911**	0.77	0.025	0.0017	0.0017
	July		0.035	0.0085	5.1	**0.14**	3.4	0.11	0.00052	890	10	**2915**	0.77	**0.043**	0.0016	0.0016
Operations	**August**		0.019	0.0085	5.1	**0.13**	2.0	0.11	0.00052	890	10	**2915**	0.75	0.026	0.0016	0.0016
	September		0.013	0.0088	5.4	**0.11**	1.2	0.11	0.00053	888	11	**2911**	0.77	0.019	0.0017	0.0017
	October		0.012	0.0092	5.7	**0.097**	1.1	0.11	0.00054	886	11	**2902**	0.79	0.018	0.0018	0.0017
	November		0.0068	0.0096	6.2	**0.084**	0.51	0.12	0.00056	884	12	**2895**	0.82	0.013	0.0018	0.0018
	December		0.0043	0.0096	6.5	**0.076**	0.16	0.12	0.00055	883	12	**2893**	0.86	0.0098	0.0018	0.0018
	January		0.0043	0.0095	6.1	**0.076**	0.15	0.12	0.00055	882	12	**2892**	0.86	0.0099	0.0018	0.0018
	February		0.0043	0.0096	5.9	**0.076**	0.15	0.12	0.00055	883	12	**2895**	0.86	0.0099	0.0018	0.0018
	March		0.0053	0.0096	5.9	**0.078**	0.23	0.12	0.00056	882	12	**2892**	0.86	0.011	0.0019	0.0018
	April		0.043	0.0085	4.8	**0.13**	4.1	0.11	0.00052	886	10	**2903**	0.77	**0.052**	0.0016	0.0016
	May		0.014	0.0084	4.6	**0.13**	1.5	0.10	0.00051	889	10	**2912**	0.76	0.021	0.0016	0.0016
	June	**2033**	0.019	0.0085	4.7	**0.12**	1.8	0.11	0.00052	886	11	**2904**	0.77	0.026	0.0016	0.0016
	July		0.017	0.0089	5.1	**0.12**	1.6	0.11	0.00054	888	11	**2909**	0.79	0.023	0.0017	0.0017
	August		0.022	0.0086	4.8	**0.13**	2.2	0.11	0.00052	888	11	**2911**	0.78	0.029	0.0016	0.0016
	September		0.018	0.0087	4.9	**0.12**	1.8	0.11	0.00052	888	11	**2911**	0.78	0.025	0.0017	0.0017
	October		0.017	0.0090	5.2	**0.11**	1.5	0.11	0.00054	888	11	**2909**	0.81	0.023	0.0017	0.0017
	November		0.012	0.0091	5.3	**0.10**	1.2	0.11	0.00054	886	11	**2902**	0.81	0.018	0.0018	0.0017
	December		0.0044	0.0095	5.9	**0.077**	0.20	0.12	0.00055	883	12	**2892**	0.86	0.0099	0.0018	0.0018
	January		0.0043	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2893**	0.86	0.0098	0.0018	0.0018
	February		0.0053	0.0095	5.9	**0.078**	0.22	0.12	0.00055	884	12	**2897**	0.85	0.011	0.0018	0.0018
	March		0.0098	0.0093	5.6	**0.092**	0.79	0.11	0.00054	885	12	**2901**	0.83	0.016	0.0018	0.0017
	April		0.029	0.0086	5.0	**0.12**	2.7	0.11	0.00052	887	11	**2906**	0.80	**0.037**	0.0017	0.0016
	May		0.0083	0.0087	5.0	**0.11**	0.80	0.11	0.00052	887	11	**2908**	0.76	0.014	0.0017	0.0016
	June	**2034**	0.051	0.0084	4.6	**0.15**	5.1	0.11	0.00052	885	9.8	**2902**	0.74	**0.061**	0.0016	0.0016
	July		0.040	0.0084	4.4	**0.16**	4.1	0.10	0.00052	885	9.2	**2900**	0.71	**0.049**	0.0016	0.0016
	August		0.025	0.0084	4.5	**0.16**	2.4	0.10	0.00052	885	9.5	**2900**	0.72	**0.033**	0.0016	0.0016
	September		0.026	0.0084	4.6	**0.15**	2.7	0.11	0.00053	886	10	**2904**	0.78	**0.033**	0.0016	0.0016
	October		0.0084	0.0085	4.8	**0.12**	0.74	0.10	0.00052	888	10	**2910**	0.76	0.014	0.0016	0.0016
	November		0.0080	0.0092	5.4	**0.10**	0.61	0.11	0.00055	885	11	**2900**	0.80	0.014	0.0018	0.0017
	December		0.0078	0.0094	5.7	**0.087**	0.57	0.12	0.00055	885	12	**2899**	0.83	0.014	0.0018	0.0017
	January		0.0047	0.0096	5.9	**0.077**	0.19	0.12	0.00055	883	12	**2895**	0.86	0.010	0.0018	0.0018
	February	**2035**	0.0073	0.0094	5.7	**0.085**	0.50	0.12	0.00055	884	12	**2896**	0.84	0.013	0.0018	0.0018
	March		0.0043	0.0096	5.9	**0.076**	0.16	0.12	0.00055	883	12	**2893**	0.86	0.0099	0.0018	0.0018

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.10	4.3	0.035	0.0000071	457	**1710**	0.00032	0.0035	0.0033	0.022	0.000063	1.8	63	0.012	0.00010
	May		0.097	3.9	0.034	0.0000071	458	**1550**	0.00030	0.0034	0.0032	0.021	0.000061	2.5	59	0.012	0.00016
	June		0.098	3.9	0.034	0.0000069	457	**1569**	0.00031	0.0035	0.0032	0.021	0.000061	1.9	60	0.012	0.00016
	July		0.095	3.8	0.033	0.0000069	459	**1548**	0.00030	0.0034	0.0031	0.021	0.000060	2.2	60	0.012	0.00017
	August	**2035**	0.095	3.8	0.033	0.0000068	459	**1524**	0.00030	0.0034	0.0031	0.021	0.000060	2.0	59	0.012	0.00017
	September		0.099	4.0	0.034	0.0000069	457	**1578**	0.00031	0.0035	0.0032	0.022	0.000062	1.7	60	0.012	0.00015
	October		0.10	4.1	0.035	0.0000068	456	**1651**	0.00031	0.0035	0.0033	0.022	0.000063	1.2	61	0.012	0.00010
	November		0.11	4.6	0.038	0.0000070	455	**1760**	0.00034	0.0037	0.0035	0.024	0.000068	0.42	63	0.013	0.000041
	December		0.11	4.7	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0035	0.024	0.000068	0.18	64	0.013	0.000022
	January		0.11	4.8	0.038	0.0000070	455	**1822**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000022
	February		0.11	4.8	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000021
	March		0.11	4.6	0.037	0.0000071	456	**1777**	0.00034	0.0037	0.0035	0.024	0.000068	0.62	64	0.013	0.000054
	April		0.097	4.0	0.033	0.0000074	457	**1567**	0.00030	0.0034	0.0031	0.021	0.000060	3.4	60	0.012	0.00017
	May		0.097	4.0	0.034	0.0000067	457	**1600**	0.00030	0.0035	0.0032	0.021	0.000061	1.5	62	0.012	0.00016
	June		0.099	4.0	0.034	0.0000070	457	**1575**	0.00031	0.0035	0.0032	0.022	0.000062	1.8	60	0.012	0.00015
	July	**2036**	0.097	3.9	0.034	0.0000069	457	**1510**	0.00030	0.0034	0.0032	0.021	0.000061	2.0	58	0.012	0.00016
	August		0.10	4.2	0.035	0.0000069	457	**1661**	0.00032	0.0035	0.0033	0.022	0.000064	1.2	61	0.012	0.000094
	September		0.10	4.1	0.035	0.0000069	457	**1605**	0.00031	0.0035	0.0033	0.022	0.000063	1.4	60	0.012	0.00012
	October		0.10	4.2	0.035	0.0000069	456	**1620**	0.00032	0.0035	0.0033	0.022	0.000064	1.3	60	0.012	0.00011
	November		0.11	4.6	0.037	0.0000070	455	**1756**	0.00034	0.0037	0.0035	0.024	0.000068	0.40	63	0.013	0.000043
	December		0.11	4.8	0.038	0.0000070	455	**1819**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	64	0.013	0.000022
	January		0.11	4.6	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000021
	February		0.11	4.2	0.036	0.0000070	456	**1702**	0.00033	0.0036	0.0034	0.023	0.000066	0.82	62	0.013	0.000070
	March		0.11	4.3	0.036	0.0000069	456	**1762**	0.00033	0.0036	0.0034	0.023	0.000066	0.62	63	0.013	0.000054
	April		0.097	3.8	0.034	0.0000072	456	**1584**	0.00030	0.0034	0.0032	0.021	0.000061	3.0	60	0.012	0.00018
	May		0.10	3.9	0.035	0.0000068	457	**1638**	0.00032	0.0035	0.0033	0.022	0.000063	0.95	62	0.012	0.00012
	June		0.096	3.7	0.033	0.0000073	458	**1573**	0.00030	0.0034	0.0031	0.021	0.000060	3.3	60	0.012	0.00018
	July	**2037**	0.097	3.7	0.034	0.0000073	458	**1500**	0.00030	0.0035	0.0032	0.021	0.000061	3.2	59	0.012	**0.00021**
	August		0.099	3.8	0.034	0.0000070	458	**1577**	0.00031	0.0035	0.0032	0.022	0.000062	1.6	62	0.012	0.00017
	September		0.096	3.7	0.033	0.0000069	458	**1521**	0.00030	0.0034	0.0031	0.021	0.000060	2.1	59	0.012	0.00016
	October		0.10	4.0	0.036	0.0000068	456	**1638**	0.00032	0.0036	0.0034	0.023	0.000065	0.73	62	0.013	0.00010
Operations	**November**		0.11	4.4	0.037	0.0000070	455	**1779**	0.00034	0.0037	0.0035	0.024	0.000068	0.41	64	0.013	0.000043
	December		0.11	4.5	0.038	0.0000070	455	**1810**	0.00034	0.0037	0.0036	0.024	0.000069	0.20	64	0.013	0.000024
	January		0.11	4.5	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000023
	February		0.11	4.5	0.038	0.0000070	455	**1819**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	64	0.013	0.000025
	March		0.099	3.9	0.034	0.0000070	457	**1625**	0.00031	0.0035	0.0032	0.022	0.000062	1.8	61	0.012	0.00013
	April		0.096	3.7	0.033	0.0000070	458	**1534**	0.00030	0.0034	0.0031	0.021	0.000060	2.7	59	0.012	0.00017
	May		0.098	3.7	0.034	0.0000068	458	**1537**	0.00031	0.0035	0.0032	0.022	0.000062	1.3	59	0.012	0.00014
	June		0.10	4.0	0.035	0.0000070	457	**1636**	0.00032	0.0035	0.0033	0.022	0.000063	1.6	61	0.012	0.00011
	July	**2038**	0.098	3.8	0.034	0.0000070	458	**1573**	0.00031	0.0035	0.0032	0.022	0.000061	1.9	60	0.012	0.00016
	August		0.100	3.8	0.034	0.0000069	457	**1558**	0.00031	0.0035	0.0032	0.022	0.000062	1.5	59	0.012	0.00013
	September		0.100	3.9	0.034	0.0000072	457	**1608**	0.00031	0.0035	0.0032	0.022	0.000062	2.4	61	0.012	0.00015
	October		0.096	3.7	0.033	0.0000067	459	**1530**	0.00030	0.0034	0.0031	0.021	0.000060	1.5	59	0.012	0.00015
	November		0.11	4.2	0.037	0.0000070	456	**1697**	0.00033	0.0037	0.0035	0.023	0.000067	0.59	62	0.013	0.000071
	December		0.11	4.5	0.038	0.0000070	455	**1814**	0.00034	0.0037	0.0036	0.024	0.000069	0.19	64	0.013	0.000026
	January		0.11	4.5	0.038	0.0000070	455	**1822**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000026
	February		0.10	4.0	0.035	0.0000069	457	**1658**	0.00032	0.0035	0.0033	0.022	0.000064	1.2	61	0.012	0.00010
	March		0.11	4.3	0.037	0.0000071	455	**1728**	0.00033	0.0037	0.0035	0.023	0.000067	0.84	63	0.013	0.000077
	April		0.10	4.1	0.035	0.0000069	457	**1697**	0.00032	0.0035	0.0033	0.023	0.000064	1.0	62	0.013	0.000085
	May		0.10	4.1	0.036	0.0000069	457	**1699**	0.00032	0.0035	0.0034	0.023	0.000065	1.1	62	0.013	0.000089
	June		0.10	4.1	0.035	0.0000070	457	**1735**	0.00032	0.0035	0.0033	0.022	0.000064	1.3	63	0.012	0.000081
	July	**2039**	0.096	3.7	0.033	0.0000069	458	**1530**	0.00030	0.0034	0.0031	0.021	0.000060	2.2	59	0.012	0.00017
	August		0.095	3.6	0.033	0.0000074	457	**1495**	0.00030	0.0034	0.0031	0.021	0.000060	3.6	59	0.012	**0.00022**
	September		0.095	3.7	0.033	0.0000067	458	**1540**	0.00030	0.0034	0.0031	0.021	0.000060	1.5	59	0.012	0.00016
	October		0.10	3.9	0.035	0.0000070	457	**1580**	0.00031	0.0036	0.0033	0.022	0.000063	1.5	61	0.012	0.00015
	November		0.10	4.2	0.036	0.0000070	456	**1674**	0.00033	0.0036	0.0034	0.023	0.000066	0.95	62	0.013	0.000096
	December		0.11	4.5	0.038	0.0000070	455	**1815**	0.00034	0.0037	0.0036	0.024	0.000068	0.19	64	0.013	0.000029
	January		0.11	4.7	0.038	0.0000070	455	**1823**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000028
	February		0.11	4.8	0.038	0.0000070	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000029
	March		0.097	4.1	0.034	0.0000071	458	**1611**	0.00030	0.0034	0.0032	0.021	0.000061	2.5	60	0.012	0.00015
	April	**2040**	0.096	3.9	0.033	0.0000068	458	**1529**	0.00030	0.0034	0.0031	0.021	0.000060	1.7	58	0.012	0.00015
	May		0.097	4.0	0.034	0.0000070	458	**1549**	0.00030	0.0034	0.0032	0.021	0.000061	2.2	59	0.012	0.00016
	June		0.097	3.9	0.033	0.0000071	458	**1538**	0.00030	0.0034	0.0031	0.021	0.000060	2.6	59	0.012	0.00018

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.023	0.0089	5.3	**0.11**	2.0	0.11	0.00053	887	12	**2908**	0.83	**0.030**	0.0017	0.0017
	May		0.028	0.0085	4.7	**0.13**	2.7	0.11	0.00052	888	10	**2910**	0.77	**0.036**	0.0016	0.0016
	June		0.020	0.0086	4.8	**0.13**	2.1	0.11	0.00052	887	11	**2908**	0.78	0.028	0.0017	0.0016
	July		0.023	0.0084	4.7	**0.13**	2.3	0.10	0.00051	890	10	**2918**	0.77	**0.031**	0.0016	0.0016
	August	**2035**	0.021	0.0084	4.6	**0.13**	2.1	0.10	0.00051	890	10	**2917**	0.76	0.028	0.0016	0.0016
	September		0.018	0.0087	4.9	**0.12**	1.8	0.11	0.00053	887	11	**2908**	0.78	0.025	0.0017	0.0017
	October		0.013	0.0088	5.1	**0.11**	1.3	0.11	0.00052	885	11	**2901**	0.80	0.020	0.0017	0.0017
	November		0.0056	0.0096	5.7	**0.083**	0.42	0.12	0.00055	883	12	**2893**	0.83	0.011	0.0018	0.0018
	December		0.0043	0.0096	5.9	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0098	0.0018	0.0018
	January		0.0043	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2895**	0.86	0.0099	0.0018	0.0018
	February		0.0043	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	March		0.0090	0.0095	5.8	**0.088**	0.63	0.12	0.00055	885	12	**2898**	0.85	0.015	0.0018	0.0018
	April		0.038	0.0085	4.8	**0.14**	3.6	0.11	0.00052	887	11	**2907**	0.78	**0.047**	0.0016	0.0016
	May		0.015	0.0086	4.8	**0.13**	1.6	0.11	0.00052	887	11	**2908**	0.79	0.021	0.0016	0.0016
	June		0.021	0.0087	4.9	**0.12**	1.9	0.11	0.00053	888	11	**2909**	0.78	0.028	0.0017	0.0017
	July	**2036**	0.022	0.0085	4.7	**0.13**	2.1	0.11	0.00052	888	10	**2909**	0.75	0.029	0.0016	0.0016
	August		0.014	0.0090	5.2	**0.10**	1.3	0.11	0.00053	886	11	**2905**	0.80	0.021	0.0017	0.0017
	September		0.016	0.0088	5.1	**0.11**	1.5	0.11	0.00053	887	11	**2906**	0.78	0.023	0.0017	0.0017
	October		0.015	0.0090	5.2	**0.11**	1.4	0.11	0.00053	886	11	**2902**	0.79	0.021	0.0017	0.0017
	November		0.0056	0.0095	5.8	**0.083**	0.40	0.12	0.00055	883	12	**2893**	0.83	0.011	0.0018	0.0018
	December		0.0043	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	January		0.0043	0.0096	5.7	**0.076**	0.15	0.12	0.00055	883	12	**2893**	0.86	0.0099	0.0018	0.0018
	February		0.011	0.0092	5.3	**0.094**	0.85	0.11	0.00054	885	12	**2899**	0.82	0.017	0.0018	0.0017
	March		0.0092	0.0093	5.4	**0.088**	0.63	0.11	0.00054	885	12	**2900**	0.84	0.015	0.0018	0.0017
	April		0.032	0.0086	4.6	**0.14**	3.2	0.11	0.00052	885	11	**2901**	0.79	**0.040**	0.0016	0.0016
	May		0.011	0.0089	4.8	**0.11**	0.99	0.11	0.00053	886	11	**2904**	0.80	0.017	0.0017	0.0017
	June		0.036	0.0085	4.5	**0.14**	3.5	0.11	0.00052	889	11	**2912**	0.79	**0.045**	0.0016	0.0016
	July	**2037**	0.034	0.0086	4.4	**0.15**	3.4	0.11	0.00053	888	10	**2910**	0.76	**0.042**	0.0016	0.0016
	August		0.018	0.0087	4.6	**0.13**	1.7	0.11	0.00054	889	11	**2913**	0.78	0.024	0.0017	0.0017
	September		0.022	0.0084	4.4	**0.13**	2.3	0.10	0.00052	889	10	**2913**	0.76	0.030	0.0016	0.0016
	October		0.0084	0.0091	5.0	**0.10**	0.75	0.11	0.00054	885	11	**2901**	0.79	0.014	0.0017	0.0017
Operations	**November**		0.0066	0.0095	5.5	**0.083**	0.41	0.12	0.00055	884	12	**2896**	0.84	0.012	0.0018	0.0018
	December		0.0044	0.0096	5.6	**0.077**	0.18	0.12	0.00055	884	12	**2896**	0.85	0.0099	0.0018	0.0018
	January		0.0044	0.0096	5.7	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	February		0.0045	0.0096	5.7	**0.076**	0.16	0.12	0.00055	883	12	**2894**	0.86	0.010	0.0018	0.0018
	March		0.021	0.0087	4.8	**0.12**	1.9	0.11	0.00053	888	11	**2909**	0.80	0.028	0.0017	0.0017
	April		0.028	0.0084	4.4	**0.13**	2.9	0.11	0.00051	889	10	**2914**	0.77	**0.036**	0.0016	0.0016
	May		0.015	0.0087	4.6	**0.11**	1.4	0.11	0.00052	888	10	**2910**	0.75	0.021	0.0017	0.0016
	June		0.019	0.0089	4.9	**0.11**	1.7	0.11	0.00053	887	11	**2905**	0.80	0.026	0.0017	0.0017
	July	**2038**	0.021	0.0086	4.6	**0.13**	2.1	0.11	0.00053	888	11	**2910**	0.78	0.028	0.0017	0.0016
	August		0.016	0.0088	4.7	**0.11**	1.6	0.11	0.00053	887	11	**2908**	0.76	0.023	0.0017	0.0017
	September		0.028	0.0088	4.8	**0.13**	2.6	0.11	0.00053	888	11	**2909**	0.79	**0.036**	0.0017	0.0017
	October		0.015	0.0085	4.5	**0.12**	1.6	0.11	0.00052	890	10	**2916**	0.75	0.021	0.0016	0.0016
	November		0.0073	0.0094	5.2	**0.092**	0.60	0.12	0.00055	884	12	**2898**	0.81	0.013	0.0018	0.0017
	December		0.0044	0.0096	5.7	**0.076**	0.16	0.12	0.00056	883	12	**2893**	0.86	0.0099	0.0019	0.0018
	January		0.0044	0.0096	5.7	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	February		0.014	0.0089	5.0	**0.10**	1.2	0.11	0.00053	888	11	**2909**	0.80	0.021	0.0017	0.0017
	March		0.011	0.0093	5.3	**0.094**	0.87	0.12	0.00055	884	12	**2897**	0.83	0.017	0.0018	0.0017
	April		0.013	0.0090	5.1	**0.098**	1.1	0.11	0.00053	886	12	**2903**	0.82	0.019	0.0017	0.0017
	May		0.013	0.0090	5.1	**0.100**	1.2	0.11	0.00053	886	12	**2903**	0.82	0.019	0.0017	0.0017
	June		0.016	0.0090	5.1	**0.097**	1.3	0.11	0.00053	887	12	**2906**	0.83	0.023	0.0017	0.0017
	July	**2039**	0.024	0.0085	4.5	**0.13**	2.4	0.11	0.00052	889	10	**2912**	0.76	**0.031**	0.0016	0.0016
	August		0.038	0.0084	4.3	**0.15**	3.9	0.11	0.00052	887	10	**2905**	0.76	**0.047**	0.0016	0.0016
	September		0.016	0.0084	4.5	**0.12**	1.6	0.10	0.00051	889	10	**2915**	0.76	0.023	0.0016	0.0016
	October		0.017	0.0089	4.7	**0.12**	1.6	0.11	0.00054	887	11	**2905**	0.78	0.024	0.0017	0.0017
	November		0.011	0.0092	5.2	**0.10**	1.00	0.11	0.00054	884	11	**2897**	0.81	0.017	0.0018	0.0017
	December		0.0044	0.0096	5.7	**0.077**	0.17	0.12	0.00055	883	12	**2893**	0.86	0.0098	0.0018	0.0018
	January		0.0045	0.0096	5.9	**0.076**	0.15	0.12	0.00055	883	12	**2895**	0.86	0.0099	0.0018	0.0018
	February		0.0046	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	March	**2040**	0.028	0.0086	5.0	**0.12**	2.7	0.11	0.00052	888	11	**2911**	0.80	**0.036**	0.0016	0.0016
	April		0.019	0.0084	4.7	**0.12**	1.8	0.11	0.00051	889	10	**2913**	0.75	0.026	0.0016	0.0016
	May		0.025	0.0085	4.8	**0.13**	2.3	0.11	0.00052	888	10	**2910**	0.77	**0.032**	0.0016	0.0016
	June		0.029	0.0085	4.7	**0.13**	2.8	0.11	0.00052	889	10	**2911**	0.77	**0.036**	0.0016	0.0016

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.096	3.9	0.033	0.0000072	457	**1500**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	59	0.012	**0.00021**
	August		0.097	4.0	0.034	0.0000066	458	**1579**	0.00030	0.0034	0.0032	0.021	0.000061	0.87	61	0.012	0.00014
	September	**2040**	0.10	4.3	0.035	0.0000070	456	**1668**	0.00032	0.0035	0.0033	0.022	0.000064	1.3	62	0.012	0.00011
	October		0.10	4.3	0.036	0.0000071	457	**1641**	0.00032	0.0036	0.0034	0.023	0.000065	1.5	62	0.013	0.00013
	November		0.11	4.7	0.037	0.0000070	455	**1797**	0.00034	0.0037	0.0035	0.024	0.000068	0.38	64	0.013	0.000047
	December		0.11	4.8	0.038	0.0000070	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	64	0.013	0.000029
	January		0.11	4.8	0.038	0.0000070	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000030
	February		0.11	4.8	0.038	0.0000071	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000030
	March		0.10	4.6	0.036	0.0000070	456	**1782**	0.00033	0.0036	0.0034	0.023	0.000065	0.90	64	0.013	0.000066
	April		0.099	4.1	0.034	0.0000074	457	**1578**	0.00031	0.0035	0.0032	0.022	0.000062	2.8	60	0.012	0.00015
	May		0.098	4.0	0.034	0.0000067	457	**1592**	0.00031	0.0035	0.0032	0.021	0.000061	0.98	61	0.012	0.00016
	June	**2041**	0.10	4.2	0.035	0.0000071	457	**1650**	0.00032	0.0035	0.0033	0.022	0.000063	1.6	61	0.012	0.00012
	July		0.097	4.0	0.033	0.0000071	458	**1558**	0.00030	0.0034	0.0032	0.021	0.000061	2.5	60	0.012	0.00017
	August		0.095	3.9	0.033	0.0000079	456	**1421**	0.00030	0.0034	0.0031	0.021	0.000060	5.2	56	0.012	**0.00024**
	September		0.095	3.7	0.033	0.0000067	456	**1437**	0.00030	0.0034	0.0031	0.021	0.000060	1.5	57	0.012	**0.00022**
	October		0.096	3.9	0.033	0.0000067	458	**1575**	0.00030	0.0035	0.0031	0.021	0.000060	1.2	62	0.012	0.00018
	November		0.10	4.2	0.035	0.0000067	457	**1620**	0.00032	0.0036	0.0033	0.022	0.000064	0.35	61	0.012	0.00011
	December		0.11	4.8	0.038	0.0000070	455	**1808**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	64	0.013	0.000036
	January		0.11	4.8	0.038	0.0000071	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000031
	February		0.11	4.8	0.038	0.0000071	455	**1823**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000031
	March		0.11	4.7	0.037	0.0000071	455	**1766**	0.00034	0.0037	0.0035	0.024	0.000067	0.59	64	0.013	0.000060
	April		0.100	4.3	0.035	0.0000073	456	**1657**	0.00031	0.0035	0.0033	0.022	0.000063	2.6	61	0.012	0.00014
	May		0.098	4.0	0.034	0.0000067	458	**1562**	0.00031	0.0035	0.0032	0.022	0.000061	0.92	60	0.012	0.00014
	June	**2042**	0.096	4.0	0.033	0.0000076	458	**1543**	0.00030	0.0034	0.0031	0.021	0.000060	3.8	59	0.012	**0.00019**
	July		0.095	3.8	0.033	0.0000071	456	**1407**	0.00030	0.0034	0.0031	0.021	0.000060	2.8	56	0.012	**0.00023**
	August		0.095	3.8	0.033	0.0000073	456	**1481**	0.00030	0.0035	0.0031	0.021	0.000060	3.0	59	0.012	**0.00024**
	September		0.096	3.9	0.033	0.0000072	458	**1542**	0.00030	0.0035	0.0031	0.021	0.000060	2.5	61	0.012	**0.00020**
	October		0.095	3.8	0.033	0.0000069	458	**1519**	0.00030	0.0034	0.0031	0.021	0.000060	2.1	60	0.012	**0.00021**
	November		0.10	4.1	0.035	0.0000067	457	**1608**	0.00032	0.0035	0.0033	0.022	0.000063	0.27	61	0.012	0.00010
	December		0.11	4.8	0.038	0.0000071	455	**1807**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000036
	January		0.11	4.8	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000032
Operations	**February**		0.11	4.8	0.038	0.0000071	455	**1823**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000032
	March		0.11	4.8	0.038	0.0000071	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000032
	April		0.10	4.3	0.035	0.0000075	457	**1654**	0.00032	0.0035	0.0033	0.022	0.000063	2.6	61	0.012	0.00011
	May		0.096	3.9	0.033	0.0000068	457	**1577**	0.00030	0.0034	0.0031	0.021	0.000060	1.7	61	0.012	0.00018
	June	**2043**	0.096	3.9	0.033	0.0000072	458	**1524**	0.00030	0.0034	0.0031	0.021	0.000060	2.8	59	0.012	**0.00019**
	July		0.095	3.9	0.033	0.0000073	458	**1509**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	59	0.012	**0.00020**
	August		0.095	3.8	0.033	0.0000073	456	**1442**	0.00030	0.0034	0.0031	0.021	0.000060	3.2	58	0.012	**0.00024**
	September		0.095	3.8	0.033	0.0000074	457	**1492**	0.00030	0.0035	0.0031	0.021	0.000060	3.5	60	0.012	**0.00023**
	October		0.098	3.9	0.034	0.0000071	457	**1508**	0.00031	0.0035	0.0032	0.021	0.000061	2.0	60	0.012	**0.00021**
	November		0.099	4.0	0.034	0.0000068	458	**1561**	0.00031	0.0035	0.0032	0.022	0.000062	1.1	61	0.012	0.00015
	December		0.11	4.4	0.036	0.0000069	456	**1721**	0.00033	0.0036	0.0034	0.023	0.000066	0.30	63	0.013	0.000075
	January		0.11	4.7	0.038	0.0000071	455	**1813**	0.00034	0.0037	0.0036	0.024	0.000069	0.19	64	0.013	0.000034
	February		0.11	4.7	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000032
	March		0.11	4.7	0.037	0.0000071	455	**1817**	0.00034	0.0037	0.0035	0.024	0.000067	0.36	65	0.013	0.000040
	April		0.096	3.9	0.033	0.0000070	458	**1553**	0.00030	0.0034	0.0031	0.021	0.000060	2.2	59	0.012	0.00016
	May		0.098	4.0	0.034	0.0000069	457	**1567**	0.00031	0.0034	0.0032	0.022	0.000061	1.5	59	0.012	0.00013
	June		0.10	4.1	0.035	0.0000070	457	**1637**	0.00031	0.0035	0.0033	0.022	0.000063	1.5	61	0.012	0.00012
	July	**2044**	0.096	3.8	0.033	0.0000072	458	**1506**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	58	0.012	**0.00019**
	August		0.096	3.9	0.033	0.0000067	457	**1563**	0.00030	0.0034	0.0031	0.021	0.000060	1.3	60	0.012	0.00015
	September		0.099	4.0	0.034	0.0000069	457	**1576**	0.00031	0.0035	0.0032	0.022	0.000062	1.4	59	0.012	0.00012
	October		0.11	4.3	0.036	0.0000071	456	**1672**	0.00033	0.0036	0.0034	0.023	0.000066	0.95	61	0.013	0.000091
	November		0.11	4.6	0.037	0.0000070	455	**1764**	0.00034	0.0037	0.0035	0.024	0.000067	0.40	63	0.013	0.000050
	December		0.11	4.7	0.038	0.0000071	455	**1803**	0.00034	0.0037	0.0035	0.024	0.000068	0.23	64	0.013	0.000036
	January		0.11	4.7	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	65	0.013	0.000032
	February		0.11	4.7	0.038	0.0000071	455	**1820**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000032
	March		0.10	4.5	0.036	0.0000072	456	**1777**	0.00033	0.0036	0.0034	0.023	0.000066	1.3	64	0.013	0.000065
	April		0.098	3.9	0.034	0.0000068	457	**1553**	0.00031	0.0035	0.0032	0.021	0.000061	1.5	59	0.012	0.00016
	May	**2045**	0.097	3.9	0.033	0.0000070	458	**1555**	0.00030	0.0034	0.0032	0.021	0.000061	2.1	60	0.012	0.00017
	June		0.096	3.9	0.033	0.0000071	459	**1531**	0.00030	0.0034	0.0031	0.021	0.000060	2.3	59	0.012	0.00017
	July		0.096	3.8	0.033	0.0000070	458	**1518**	0.00030	0.0034	0.0031	0.021	0.000060	2.1	59	0.012	0.00017
	August		0.099	4.0	0.034	0.0000070	457	**1588**	0.00031	0.0035	0.0032	0.022	0.000062	1.7	60	0.012	0.00015
	September		0.099	4.0	0.034	0.0000070	457	**1612**	0.00031	0.0035	0.0032	0.022	0.000062	1.6	61	0.012	0.00014

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.031	0.0084	4.6	**0.15**	3.2	0.10	0.00052	887	10	**2907**	0.76	**0.039**	0.0016	0.0016
	August		0.010	0.0086	4.9	**0.11**	0.90	0.11	0.00052	889	11	**2912**	0.77	0.016	0.0016	0.0016
	September	**2040**	0.015	0.0090	5.3	**0.11**	1.4	0.11	0.00054	886	11	**2902**	0.81	0.021	0.0017	0.0017
	October		0.017	0.0091	5.2	**0.11**	1.6	0.11	0.00055	887	11	**2907**	0.80	0.023	0.0017	0.0017
	November		0.0058	0.0095	5.9	**0.083**	0.38	0.12	0.00055	883	12	**2894**	0.85	0.011	0.0018	0.0018
	December		0.0046	0.0096	6.0	**0.076**	0.15	0.12	0.00055	884	12	**2896**	0.86	0.0099	0.0018	0.0018
	January		0.0046	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2893**	0.86	0.0098	0.0018	0.0018
	February		0.0046	0.0096	6.0	**0.076**	0.15	0.12	0.00056	883	12	**2893**	0.86	0.0099	0.0019	0.0018
	March		0.013	0.0092	5.7	**0.091**	0.93	0.11	0.00054	886	12	**2902**	0.85	0.019	0.0018	0.0017
	April		0.032	0.0087	5.0	**0.12**	3.0	0.11	0.00053	886	11	**2903**	0.78	**0.040**	0.0017	0.0017
	May		0.0099	0.0086	4.9	**0.12**	1.0	0.11	0.00052	887	11	**2908**	0.78	0.016	0.0017	0.0016
	June	**2041**	0.019	0.0089	5.2	**0.11**	1.7	0.11	0.00053	887	11	**2908**	0.80	0.026	0.0017	0.0017
	July		0.029	0.0085	4.8	**0.13**	2.7	0.11	0.00052	889	10	**2912**	0.77	**0.037**	0.0016	0.0016
	August		0.055	0.0084	4.5	**0.16**	5.7	0.11	0.00053	885	9.5	**2900**	0.73	**0.066**	0.0016	0.0016
	September		0.015	0.0084	4.5	**0.15**	1.6	0.10	0.00052	886	9.6	**2903**	0.73	0.021	0.0016	0.0016
	October		0.015	0.0085	4.8	**0.13**	1.3	0.11	0.00052	889	11	**2913**	0.78	0.021	0.0016	0.0016
	November		0.0050	0.0090	5.2	**0.10**	0.34	0.11	0.00054	887	11	**2906**	0.78	0.010	0.0017	0.0017
	December		0.0046	0.0096	6.0	**0.078**	0.15	0.12	0.00055	883	12	**2893**	0.85	0.0098	0.0018	0.0018
	January		0.0047	0.0096	6.0	**0.076**	0.15	0.12	0.00056	883	12	**2894**	0.86	0.0099	0.0019	0.0018
	February		0.0047	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0098	0.0018	0.0018
	March		0.0090	0.0094	5.8	**0.087**	0.60	0.12	0.00055	884	12	**2897**	0.84	0.015	0.0018	0.0018
	April		0.029	0.0088	5.2	**0.12**	2.7	0.11	0.00053	886	11	**2902**	0.81	**0.037**	0.0017	0.0017
	May		0.010	0.0086	4.9	**0.11**	0.96	0.11	0.00052	888	11	**2910**	0.76	0.016	0.0017	0.0016
	June		0.044	0.0084	4.8	**0.14**	4.1	0.11	0.00052	888	10	**2910**	0.78	**0.053**	0.0016	0.0016
	July	**2042**	0.029	0.0084	4.5	**0.16**	3.0	0.10	0.00053	885	9.4	**2901**	0.72	**0.037**	0.0016	0.0016
	August		0.033	0.0084	4.5	**0.16**	3.3	0.10	0.00053	886	9.9	**2903**	0.75	**0.041**	0.0016	0.0016
	September		0.029	0.0084	4.7	**0.14**	2.7	0.11	0.00053	888	10	**2911**	0.77	**0.036**	0.0016	0.0016
	October		0.021	0.0084	4.6	**0.14**	2.3	0.10	0.00052	888	10	**2910**	0.76	0.027	0.0016	0.0016
	November		0.0045	0.0089	5.2	**0.098**	0.26	0.11	0.00053	887	11	**2908**	0.77	0.0095	0.0017	0.0017
	December		0.0047	0.0096	6.0	**0.077**	0.15	0.12	0.00056	883	12	**2894**	0.85	0.0099	0.0019	0.0018
	January		0.0047	0.0096	6.0	**0.076**	0.15	0.12	0.00056	883	12	**2894**	0.86	0.0099	0.0018	0.0018
Operations	**February**		0.0047	0.0096	6.0	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0098	0.0018	0.0018
	March		0.0048	0.0096	6.0	**0.076**	0.15	0.12	0.00056	883	12	**2893**	0.86	0.0099	0.0019	0.0018
	April		0.032	0.0088	5.3	**0.11**	2.8	0.11	0.00053	886	11	**2904**	0.81	**0.040**	0.0017	0.0017
	May		0.017	0.0085	4.7	**0.14**	1.8	0.11	0.00052	888	11	**2909**	0.78	0.023	0.0016	0.0016
	June		0.031	0.0084	4.6	**0.14**	3.0	0.11	0.00052	888	10	**2910**	0.76	**0.039**	0.0016	0.0016
	July	**2043**	0.034	0.0084	4.6	**0.14**	3.3	0.10	0.00052	888	10	**2910**	0.76	**0.042**	0.0016	0.0016
	August		0.034	0.0084	4.5	**0.16**	3.5	0.10	0.00053	885	9.6	**2900**	0.74	**0.042**	0.0016	0.0016
	September		0.036	0.0084	4.6	**0.15**	3.7	0.11	0.00053	886	10	**2905**	0.76	**0.045**	0.0016	0.0016
	October		0.021	0.0086	4.7	**0.14**	2.1	0.11	0.00054	887	10	**2906**	0.76	0.028	0.0017	0.0017
	November		0.012	0.0087	4.9	**0.12**	1.1	0.11	0.00053	889	11	**2912**	0.76	0.017	0.0017	0.0017
	December		0.0058	0.0092	5.6	**0.090**	0.29	0.11	0.00054	885	12	**2899**	0.82	0.011	0.0018	0.0017
	January		0.0048	0.0096	5.9	**0.077**	0.17	0.12	0.00056	883	12	**2893**	0.85	0.0099	0.0018	0.0018
	February		0.0047	0.0096	5.9	**0.076**	0.15	0.12	0.00056	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	March		0.0072	0.0094	5.8	**0.079**	0.35	0.12	0.00055	884	12	**2896**	0.86	0.013	0.0018	0.0017
	April		0.024	0.0085	4.8	**0.12**	2.3	0.11	0.00052	889	10	**2912**	0.77	**0.031**	0.0016	0.0016
	May		0.018	0.0086	4.9	**0.11**	1.6	0.11	0.00052	887	11	**2907**	0.77	0.024	0.0017	0.0016
	June		0.017	0.0088	5.1	**0.11**	1.6	0.11	0.00053	887	11	**2906**	0.80	0.024	0.0017	0.0017
	July	**2044**	0.033	0.0084	4.6	**0.14**	3.3	0.11	0.00052	888	10	**2911**	0.76	**0.041**	0.0016	0.0016
	August		0.015	0.0085	4.8	**0.12**	1.4	0.11	0.00052	888	11	**2909**	0.77	0.021	0.0016	0.0016
	September		0.016	0.0087	5.0	**0.11**	1.5	0.11	0.00052	887	11	**2908**	0.77	0.022	0.0017	0.0016
	October		0.011	0.0093	5.4	**0.098**	1.00	0.11	0.00055	885	11	**2899**	0.80	0.017	0.0018	0.0017
	November		0.0063	0.0094	5.7	**0.082**	0.40	0.12	0.00055	884	12	**2897**	0.84	0.012	0.0018	0.0017
	December		0.0053	0.0095	5.9	**0.077**	0.21	0.12	0.00055	884	12	**2895**	0.85	0.010	0.0018	0.0018
	January		0.0047	0.0096	5.9	**0.076**	0.15	0.12	0.00056	884	12	**2895**	0.86	0.0099	0.0018	0.0018
	February		0.0048	0.0096	5.9	**0.076**	0.15	0.12	0.00056	883	12	**2892**	0.86	0.0099	0.0019	0.0018
	March		0.019	0.0092	5.6	**0.090**	1.3	0.11	0.00054	884	12	**2898**	0.85	0.025	0.0018	0.0017
	April		0.015	0.0086	4.8	**0.12**	1.6	0.11	0.00053	887	10	**2908**	0.77	0.021	0.0017	0.0016
	May	**2045**	0.024	0.0085	4.7	**0.13**	2.2	0.11	0.00052	888	10	**2911**	0.77	**0.031**	0.0016	0.0016
	June		0.026	0.0085	4.7	**0.13**	2.5	0.11	0.00052	890	10	**2916**	0.76	**0.033**	0.0016	0.0016
	July		0.023	0.0085	4.6	**0.13**	2.3	0.11	0.00052	889	10	**2914**	0.75	0.030	0.0016	0.0016
	August		0.019	0.0087	4.9	**0.12**	1.9	0.11	0.00053	887	11	**2908**	0.78	0.026	0.0017	0.0017
	September		0.018	0.0087	4.9	**0.12**	1.7	0.11	0.00053	887	11	**2908**	0.79	0.025	0.0017	0.0017

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October		0.10	4.2	0.035	0.0000070	457	**1657**	0.00032	0.0035	0.0033	0.022	0.000064	1.2	61	0.012	0.00011
	November	**2045**	0.11	4.5	0.037	0.0000071	456	**1749**	0.00034	0.0037	0.0035	0.024	0.000067	0.65	63	0.013	0.000067
	December		0.11	4.7	0.038	0.0000071	456	**1807**	0.00034	0.0037	0.0035	0.024	0.000068	0.26	64	0.013	0.000038
	January		0.11	4.6	0.037	0.0000071	455	**1767**	0.00034	0.0037	0.0035	0.024	0.000068	0.43	63	0.013	0.000051
	February		0.11	4.7	0.038	0.0000071	455	**1822**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	65	0.013	0.000032
	March		0.10	4.4	0.036	0.0000071	457	**1731**	0.00032	0.0036	0.0034	0.023	0.000065	1.2	63	0.013	0.000092
	April		0.099	4.0	0.034	0.0000068	457	**1603**	0.00031	0.0035	0.0032	0.022	0.000062	1.2	60	0.012	0.00012
	May		0.098	4.0	0.034	0.0000070	458	**1592**	0.00031	0.0034	0.0032	0.021	0.000061	1.7	60	0.012	0.00013
	June		0.098	4.0	0.034	0.0000072	457	**1583**	0.00030	0.0034	0.0032	0.021	0.000061	2.4	60	0.012	0.00016
	July	**2046**	0.097	3.9	0.033	0.0000072	458	**1530**	0.00030	0.0034	0.0031	0.021	0.000060	2.9	59	0.012	**0.00020**
	August		0.096	3.8	0.033	0.0000073	457	**1517**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	59	0.012	**0.00021**
	September		0.097	3.8	0.033	0.0000072	457	**1540**	0.00030	0.0035	0.0031	0.021	0.000060	2.5	61	0.012	**0.00021**
	October		0.097	3.9	0.034	0.0000070	458	**1545**	0.00030	0.0035	0.0032	0.021	0.000061	1.8	60	0.012	0.00016
	November		0.10	4.2	0.036	0.0000069	457	**1616**	0.00032	0.0036	0.0034	0.023	0.000064	0.67	62	0.013	0.00013
	December		0.11	4.6	0.038	0.0000071	455	**1798**	0.00034	0.0037	0.0035	0.024	0.000068	0.22	64	0.013	0.000042
	January		0.11	4.7	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000032
	February		0.11	4.7	0.038	0.0000071	455	**1823**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000032
	March		0.11	4.6	0.037	0.0000070	455	**1775**	0.00033	0.0036	0.0035	0.023	0.000067	0.45	64	0.013	0.000052
	April		0.10	4.2	0.035	0.0000073	457	**1640**	0.00031	0.0035	0.0033	0.022	0.000063	2.2	61	0.012	0.00013
	May		0.097	3.9	0.033	0.0000070	458	**1514**	0.00030	0.0034	0.0031	0.021	0.000060	2.1	58	0.012	0.00017
	June		0.099	4.0	0.034	0.0000069	457	**1572**	0.00031	0.0035	0.0032	0.022	0.000062	1.4	60	0.012	0.00014
	July	**2047**	0.096	3.9	0.033	0.0000074	458	**1540**	0.00030	0.0034	0.0031	0.021	0.000060	3.5	59	0.012	**0.00020**
	August		0.095	3.8	0.033	0.0000072	457	**1484**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	59	0.012	**0.00022**
	September		0.096	3.9	0.033	0.0000070	458	**1554**	0.00030	0.0034	0.0031	0.021	0.000060	1.9	60	0.012	0.00018
	October		0.098	3.9	0.034	0.0000068	458	**1559**	0.00031	0.0035	0.0032	0.022	0.000061	1.1	60	0.012	0.00015
	November		0.11	4.4	0.037	0.0000070	456	**1723**	0.00033	0.0036	0.0035	0.023	0.000066	0.58	63	0.013	0.000070
	December		0.11	4.7	0.038	0.0000071	455	**1806**	0.00034	0.0037	0.0036	0.024	0.000068	0.24	64	0.013	0.000038
	January		0.11	4.7	0.038	0.0000071	455	**1817**	0.00034	0.0037	0.0036	0.024	0.000068	0.26	65	0.013	0.000040
	February		0.11	4.7	0.038	0.0000071	455	**1811**	0.00034	0.0037	0.0035	0.024	0.000068	0.21	64	0.013	0.000036
	March		0.11	4.7	0.038	0.0000071	455	**1819**	0.00034	0.0037	0.0036	0.024	0.000068	0.18	64	0.013	0.000034
	April		0.10	4.4	0.035	0.0000071	457	**1708**	0.00032	0.0035	0.0033	0.022	0.000064	1.3	62	0.012	0.000096
Operations	**May**		0.10	4.2	0.036	0.0000069	456	**1648**	0.00032	0.0036	0.0034	0.023	0.000064	0.79	61	0.013	0.000097
	June		0.10	4.2	0.035	0.0000070	456	**1654**	0.00032	0.0035	0.0033	0.022	0.000063	1.3	61	0.012	0.00011
	July	**2048**	0.096	3.9	0.033	0.0000080	457	**1512**	0.00030	0.0034	0.0031	0.021	0.000060	5.1	58	0.012	**0.00021**
	August		0.095	3.7	0.033	0.0000071	456	**1394**	0.00030	0.0034	0.0031	0.021	0.000060	2.9	55	0.012	**0.00023**
	September		0.095	3.7	0.033	0.0000071	456	**1421**	0.00030	0.0034	0.0031	0.021	0.000060	2.4	57	0.012	**0.00023**
	October		0.096	3.8	0.033	0.0000067	459	**1558**	0.00030	0.0035	0.0031	0.021	0.000060	1.1	62	0.012	0.00018
	November		0.10	4.2	0.036	0.0000069	457	**1681**	0.00032	0.0036	0.0034	0.023	0.000065	0.21	63	0.013	0.00011
	December		0.11	4.6	0.037	0.0000070	455	**1773**	0.00033	0.0036	0.0035	0.023	0.000067	0.44	64	0.013	0.000056
	January		0.10	4.4	0.036	0.0000070	456	**1703**	0.00032	0.0036	0.0034	0.023	0.000065	0.92	62	0.013	0.000087
	February		0.11	4.7	0.038	0.0000071	455	**1802**	0.00034	0.0037	0.0036	0.024	0.000068	0.22	64	0.013	0.000043
	March		0.11	4.6	0.037	0.0000073	456	**1776**	0.00033	0.0036	0.0034	0.023	0.000066	1.3	64	0.013	0.000071
	April		0.099	4.0	0.034	0.0000068	458	**1612**	0.00031	0.0035	0.0032	0.022	0.000062	0.95	61	0.012	0.00013
	May		0.099	4.0	0.034	0.0000070	457	**1605**	0.00031	0.0034	0.0032	0.022	0.000062	1.8	60	0.012	0.00014
	June		0.097	3.9	0.033	0.0000071	458	**1529**	0.00030	0.0034	0.0032	0.021	0.000061	2.3	59	0.012	0.00018
	July	**2049**	0.096	3.8	0.033	0.0000075	458	**1498**	0.00030	0.0034	0.0031	0.021	0.000060	3.6	59	0.012	**0.00023**
	August		0.096	3.8	0.033	0.0000072	458	**1513**	0.00030	0.0035	0.0031	0.021	0.000060	2.8	60	0.012	**0.00022**
	September		0.096	3.8	0.033	0.0000073	457	**1506**	0.00030	0.0034	0.0031	0.021	0.000060	3.0	59	0.012	**0.00021**
	October		0.096	3.8	0.033	0.0000071	457	**1566**	0.00030	0.0035	0.0031	0.021	0.000060	2.2	62	0.012	**0.00021**
	November		0.098	3.9	0.034	0.0000067	458	**1571**	0.00031	0.0035	0.0032	0.021	0.000061	0.87	61	0.012	0.00015
	December		0.11	4.6	0.038	0.0000071	455	**1765**	0.00034	0.0037	0.0035	0.024	0.000068	0.20	64	0.013	0.000060
	January		0.11	4.6	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000068	0.17	65	0.013	0.000039
	February		0.11	4.5	0.038	0.0000071	455	**1821**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	65	0.013	0.000039
	March		0.11	4.5	0.038	0.0000072	455	**1804**	0.00034	0.0037	0.0035	0.024	0.000068	0.40	65	0.013	0.000054
	April		0.097	3.8	0.034	0.0000072	457	**1606**	0.00030	0.0034	0.0032	0.021	0.000061	2.7	61	0.012	0.00017
	May		0.098	3.8	0.034	0.0000068	457	**1569**	0.00031	0.0035	0.0032	0.022	0.000061	1.1	60	0.012	0.00014
	June		0.097	3.8	0.034	0.0000071	458	**1577**	0.00030	0.0034	0.0032	0.021	0.000061	2.2	60	0.012	0.00017
	July	**2050**	0.10	4.1	0.035	0.0000071	457	**1705**	0.00032	0.0036	0.0033	0.022	0.000064	1.1	63	0.013	0.00011
	August		0.10	3.9	0.035	0.0000069	457	**1615**	0.00031	0.0035	0.0033	0.022	0.000063	1.4	60	0.012	0.00013
	September		0.099	3.9	0.034	0.0000072	458	**1612**	0.00031	0.0035	0.0032	0.022	0.000062	2.2	61	0.012	0.00017
	October		0.10	4.1	0.036	0.0000071	457	**1638**	0.00033	0.0036	0.0034	0.023	0.000065	1.0	61	0.013	0.00012
	November		0.11	4.2	0.036	0.0000070	456	**1725**	0.00033	0.0036	0.0034	0.023	0.000066	0.72	63	0.013	0.000081
	December		0.11	4.5	0.038	0.0000071	455	**1807**	0.00034	0.0037	0.0036	0.024	0.000068	0.24	64	0.013	0.000045

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	October	**2045**	0.015	0.0089	5.2	**0.10**	1.3	0.11	0.00053	886	11	**2905**	0.80	0.021	0.0017	0.0017
	November		0.0083	0.0095	5.6	**0.089**	0.67	0.12	0.00055	885	12	**2899**	0.83	0.014	0.0018	0.0018
	December		0.0054	0.0095	5.9	**0.078**	0.24	0.12	0.00055	884	12	**2897**	0.85	0.011	0.0018	0.0018
	January	**2046**	0.0069	0.0095	5.7	**0.083**	0.43	0.12	0.00055	883	12	**2894**	0.84	0.012	0.0018	0.0018
	February		0.0047	0.0096	5.9	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0098	0.0018	0.0018
	March		0.016	0.0091	5.4	**0.099**	1.2	0.11	0.00054	886	12	**2903**	0.83	0.022	0.0017	0.0017
	April		0.013	0.0087	5.0	**0.11**	1.3	0.11	0.00052	887	11	**2906**	0.78	0.019	0.0017	0.0016
	May		0.021	0.0086	4.9	**0.11**	1.8	0.11	0.00052	888	11	**2911**	0.78	0.027	0.0017	0.0016
	June		0.027	0.0086	4.8	**0.13**	2.5	0.11	0.00052	888	11	**2909**	0.78	**0.035**	0.0016	0.0016
	July		0.030	0.0085	4.6	**0.14**	3.1	0.11	0.00052	889	10	**2914**	0.77	**0.037**	0.0016	0.0016
	August		0.033	0.0084	4.6	**0.15**	3.2	0.11	0.00052	888	10	**2909**	0.76	**0.040**	0.0016	0.0016
	September		0.027	0.0085	4.6	**0.14**	2.7	0.11	0.00053	888	10	**2908**	0.77	**0.034**	0.0016	0.0016
	October		0.020	0.0086	4.8	**0.12**	2.0	0.11	0.00052	888	10	**2911**	0.76	0.027	0.0016	0.0016
	November		0.0079	0.0091	5.2	**0.11**	0.69	0.11	0.00055	887	11	**2905**	0.78	0.013	0.0017	0.0017
	December		0.0050	0.0095	5.8	**0.079**	0.20	0.12	0.00055	883	12	**2894**	0.85	0.010	0.0018	0.0018
	January	**2047**	0.0048	0.0096	5.9	**0.076**	0.15	0.12	0.00056	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	February		0.0047	0.0096	5.9	**0.076**	0.15	0.12	0.00055	883	12	**2894**	0.86	0.0098	0.0018	0.0018
	March		0.0073	0.0094	5.7	**0.083**	0.45	0.12	0.00055	883	12	**2893**	0.84	0.013	0.0018	0.0017
	April		0.028	0.0088	5.1	**0.11**	2.4	0.11	0.00053	887	11	**2907**	0.80	**0.035**	0.0017	0.0017
	May		0.022	0.0085	4.7	**0.13**	2.2	0.11	0.00052	889	10	**2913**	0.75	0.029	0.0016	0.0016
	June		0.016	0.0087	4.9	**0.12**	1.5	0.11	0.00053	887	11	**2906**	0.77	0.022	0.0017	0.0017
	July		0.038	0.0084	4.6	**0.15**	3.8	0.11	0.00052	889	10	**2912**	0.78	**0.046**	0.0016	0.0016
	August		0.032	0.0084	4.5	**0.15**	3.3	0.10	0.00053	887	9.9	**2905**	0.75	**0.040**	0.0016	0.0016
	September		0.021	0.0085	4.7	**0.13**	2.1	0.11	0.00052	889	10	**2912**	0.77	0.028	0.0016	0.0016
	October		0.013	0.0086	4.9	**0.12**	1.1	0.11	0.00053	889	11	**2913**	0.76	0.018	0.0017	0.0016
	November		0.0080	0.0093	5.5	**0.090**	0.59	0.12	0.00055	885	12	**2900**	0.82	0.013	0.0018	0.0017
	December		0.0048	0.0096	5.9	**0.078**	0.22	0.12	0.00056	883	12	**2893**	0.85	0.0100	0.0018	0.0018
	January	**2048**	0.0057	0.0096	5.9	**0.078**	0.25	0.12	0.00056	883	12	**2895**	0.86	0.011	0.0018	0.0018
	February		0.0051	0.0096	5.9	**0.077**	0.19	0.12	0.00055	883	12	**2894**	0.85	0.010	0.0018	0.0018
	March		0.0048	0.0096	5.9	**0.076**	0.16	0.12	0.00056	883	12	**2893**	0.86	0.0099	0.0018	0.0018
	April		0.017	0.0090	5.4	**0.10**	1.4	0.11	0.00054	887	12	**2907**	0.82	0.024	0.0017	0.0017
Operations	**May**		0.0093	0.0090	5.2	**0.098**	0.82	0.11	0.00054	886	11	**2903**	0.79	0.015	0.0017	0.0017
	June		0.016	0.0089	5.1	**0.11**	1.4	0.11	0.00053	886	11	**2902**	0.80	0.022	0.0017	0.0017
	July		0.058	0.0085	4.6	**0.15**	5.5	0.11	0.00052	887	10	**2907**	0.77	**0.069**	0.0016	0.0016
	August		0.029	0.0084	4.4	**0.15**	3.1	0.10	0.00053	885	9.3	**2900**	0.71	**0.036**	0.0016	0.0016
	September		0.026	0.0084	4.4	**0.15**	2.6	0.10	0.00053	885	9.5	**2899**	0.72	**0.033**	0.0016	0.0016
	October		0.012	0.0085	4.7	**0.13**	1.2	0.11	0.00053	890	11	**2918**	0.77	0.018	0.0016	0.0016
	November		0.0047	0.0091	5.3	**0.100**	0.19	0.11	0.00055	886	11	**2903**	0.81	0.0097	0.0018	0.0017
	December		0.0072	0.0094	5.7	**0.084**	0.44	0.12	0.00055	883	12	**2894**	0.84	0.012	0.0018	0.0017
	January	**2049**	0.012	0.0091	5.4	**0.095**	0.96	0.11	0.00054	886	12	**2902**	0.82	0.018	0.0017	0.0017
	February		0.0048	0.0096	5.9	**0.078**	0.20	0.12	0.00056	883	12	**2895**	0.85	0.0099	0.0018	0.0018
	March		0.018	0.0093	5.7	**0.091**	1.3	0.12	0.00055	885	12	**2900**	0.85	0.025	0.0018	0.0017
	April		0.010	0.0087	5.0	**0.11**	1.00	0.11	0.00053	888	11	**2910**	0.78	0.016	0.0017	0.0017
	May		0.021	0.0087	4.9	**0.11**	1.9	0.11	0.00052	888	11	**2908**	0.78	0.028	0.0017	0.0016
	June		0.026	0.0085	4.7	**0.13**	2.5	0.11	0.00052	889	10	**2914**	0.76	**0.033**	0.0016	0.0016
	July		0.039	0.0084	4.5	**0.15**	3.9	0.11	0.00053	889	10	**2913**	0.76	**0.048**	0.0016	0.0016
	August		0.030	0.0084	4.5	**0.15**	3.0	0.11	0.00053	889	10	**2912**	0.76	**0.038**	0.0016	0.0016
	September		0.033	0.0084	4.6	**0.15**	3.3	0.11	0.00053	888	10	**2909**	0.76	**0.041**	0.0016	0.0016
	October		0.024	0.0085	4.6	**0.14**	2.3	0.11	0.00053	888	11	**2910**	0.78	**0.031**	0.0016	0.0016
	November		0.0089	0.0086	4.8	**0.11**	0.91	0.11	0.00053	889	11	**2914**	0.77	0.014	0.0016	0.0016
	December		0.0048	0.0095	5.7	**0.084**	0.18	0.12	0.00056	883	12	**2893**	0.84	0.0098	0.0018	0.0018
	January	**2050**	0.0049	0.0096	5.7	**0.076**	0.15	0.12	0.00056	883	12	**2894**	0.86	0.0099	0.0018	0.0018
	February		0.0049	0.0096	5.7	**0.076**	0.15	0.12	0.00056	883	12	**2892**	0.86	0.0099	0.0019	0.0018
	March		0.0071	0.0096	5.6	**0.082**	0.39	0.12	0.00056	883	12	**2895**	0.85	0.012	0.0018	0.0018
	April		0.030	0.0085	4.6	**0.13**	2.9	0.11	0.00052	888	11	**2909**	0.80	**0.038**	0.0016	0.0016
	May		0.014	0.0086	4.6	**0.11**	1.2	0.11	0.00053	888	11	**2908**	0.77	0.019	0.0017	0.0016
	June		0.025	0.0086	4.6	**0.13**	2.4	0.11	0.00052	888	11	**2911**	0.78	**0.032**	0.0016	0.0016
	July		0.015	0.0090	5.1	**0.10**	1.2	0.11	0.00054	887	12	**2907**	0.82	0.021	0.0017	0.0017
	August		0.015	0.0088	4.8	**0.11**	1.5	0.11	0.00053	887	11	**2906**	0.79	0.021	0.0017	0.0017
	September		0.026	0.0087	4.7	**0.13**	2.4	0.11	0.00053	888	11	**2910**	0.79	**0.033**	0.0017	0.0017
	October		0.011	0.0092	5.0	**0.11**	1.1	0.11	0.00055	886	11	**2904**	0.79	0.017	0.0018	0.0017
	November		0.0097	0.0092	5.3	**0.091**	0.75	0.11	0.00054	885	12	**2899**	0.82	0.015	0.0018	0.0017
	December		0.0050	0.0096	5.6	**0.078**	0.22	0.12	0.00056	883	12	**2893**	0.85	0.0100	0.0018	0.0018

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.11	4.5	0.038	0.0000071	455	**1819**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	65	0.013	0.000041
	February		0.11	4.5	0.038	0.0000072	455	**1816**	0.00034	0.0037	0.0036	0.024	0.000069	0.17	64	0.013	0.000042
	March		0.11	4.3	0.037	0.0000071	456	**1766**	0.00034	0.0037	0.0035	0.023	0.000067	0.57	64	0.013	0.000070
	April		0.096	3.8	0.033	0.0000080	456	**1490**	0.00030	0.0034	0.0031	0.021	0.000060	5.1	57	0.012	**0.00020**
	May		0.096	3.5	0.033	0.0000068	457	**1481**	0.00030	0.0035	0.0031	0.021	0.000060	1.5	59	0.012	**0.00023**
	June		0.096	3.7	0.033	0.0000069	458	**1569**	0.00030	0.0034	0.0031	0.021	0.000060	1.8	61	0.012	0.00019
	July		0.096	3.7	0.033	0.0000073	458	**1504**	0.00030	0.0034	0.0031	0.021	0.000060	2.8	59	0.012	**0.00020**
	August		0.095	3.6	0.033	0.0000073	457	**1448**	0.00030	0.0035	0.0031	0.021	0.000060	3.2	58	0.012	**0.00024**
	September		0.096	3.6	0.033	0.0000070	458	**1529**	0.00030	0.0034	0.0031	0.021	0.000060	1.9	60	0.012	**0.00020**
	October		0.100	3.8	0.035	0.0000071	457	**1580**	0.00031	0.0036	0.0033	0.022	0.000063	1.7	61	0.012	0.00017
	November		0.10	3.9	0.035	0.0000069	457	**1612**	0.00032	0.0036	0.0033	0.022	0.000063	0.87	61	0.012	0.00013
	December		0.11	4.4	0.037	0.0000071	456	**1756**	0.00034	0.0037	0.0035	0.024	0.000068	0.46	63	0.013	0.000065
	January	**2052**	0.056	5.1	0.019	0.0000038	457	**1654**	0.00018	0.0019	0.0018	0.012	0.000035	0.18	59	0.0069	0.000041
	February		0.049	5.3	0.017	0.0000033	458	**1608**	0.00015	0.0017	0.0016	0.011	0.000031	0.16	57	0.0061	0.000040
	March		0.048	5.2	0.017	0.0000033	457	**1619**	0.00015	0.0016	0.0016	0.011	0.000030	0.19	58	0.0060	0.000042
	April		0.034	3.6	0.012	0.0000031	456	**1326**	0.00011	0.0013	0.0011	0.0075	0.000021	2.1	50	0.0043	0.00014
	May		0.034	3.5	0.012	0.0000030	456	**1310**	0.00011	0.0013	0.0011	0.0074	0.000021	1.8	51	0.0043	0.00015
	June		0.034	3.5	0.012	0.0000029	456	**1421**	0.00011	0.0013	0.0011	0.0075	0.000021	1.4	55	0.0044	0.00015
	July		0.034	3.5	0.012	0.0000034	456	**1205**	0.00011	0.0013	0.0011	0.0074	0.000021	2.9	48	0.0043	0.00018
	August		0.034	3.4	0.012	0.0000030	456	**1240**	0.00011	0.0013	0.0011	0.0074	0.000021	1.7	48	0.0043	0.00017
	September		0.034	3.5	0.012	0.0000028	455	**1430**	0.00011	0.0013	0.0011	0.0074	0.000021	1.2	56	0.0044	0.00016
	October		0.038	4.0	0.013	0.0000030	457	**1560**	0.00012	0.0014	0.0012	0.0083	0.000024	1.0	59	0.0048	0.00012
	November		0.049	5.1	0.017	0.0000033	458	**1588**	0.00015	0.0017	0.0016	0.011	0.000031	0.30	57	0.0061	0.000051
	December		0.049	5.2	0.017	0.0000033	457	**1609**	0.00015	0.0017	0.0016	0.011	0.000031	0.17	57	0.0061	0.000041
		MINIMUM	0.034	3.4	0.012	0.0000028	427	**1205**	0.00011	0.0013	0.0011	0.0074	0.000021	0.16	48	0.0043	0.000016
		MAXIMUM	0.11	7.8	0.039	0.0000080	459	**2824**	0.00035	0.0038	0.0037	0.025	0.000071	5.2	99	0.014	**0.00024**
		AVERAGE	0.098	4.3	0.034	0.0000068	456	**1690**	0.00031	0.0034	0.0032	0.022	0.000062	1.4	63	0.012	0.00012
Decommissioning	**January**	**2053**	0.0042	6.5	0.0015	0.00000045	691	**2330**	0.000013	0.00015	0.00014	0.00096	0.0000027	0.20	82	0.00081	0.000034
	February		0.0000056	6.6	0.000029	0.00000016	753	**2520**	7.3E-08	0.0000039	0.00000037	0.000047	5.2E-08	0.21	88	0.00032	0.000027
	March		0.0000058	6.4	0.000062	0.00000048	732	**2448**	0.00000012	0.000023	0.0000013	0.000046	6.9E-08	0.96	86	0.00033	0.000044
	April		0.0000061	5.6	0.00014	0.0000011	498	**1662**	0.0000003	0.00018	0.0000062	0.000040	8.5E-08	2.9	63	0.00036	0.00019
	May		0.0000055	5.6	0.000091	0.00000078	540	**1805**	0.00000026	0.00019	0.0000060	0.000040	6.8E-08	1.8	69	0.00038	0.00017
	June		0.0000058	5.8	0.000074	0.00000061	646	**2160**	0.00000021	0.00014	0.0000044	0.000044	6.6E-08	1.3	80	0.00038	0.00014
	July		0.0000062	5.6	0.00011	0.0000009	590	**1972**	0.00000026	0.00016	0.0000055	0.000043	7.9E-08	2.2	74	0.00038	0.00017
	August		0.0000066	5.5	0.00014	0.0000013	588	**1962**	0.00000028	0.00015	0.0000056	0.000043	0.0000001	3.2	73	0.00037	0.00016
	September		0.0000054	5.0	0.00014	0.0000011	453	**1512**	0.00000032	0.00021	0.0000070	0.000038	8.2E-08	2.9	59	0.00036	**0.00021**
	October		0.0000055	5.1	0.000088	0.00000077	528	**1764**	0.00000027	0.00021	0.0000064	0.000040	6.6E-08	1.7	68	0.00038	0.00018
	November		0.0000053	5.2	0.000060	0.0000005	631	**2109**	0.0000002	0.00015	0.0000047	0.000043	5.8E-08	1.0	79	0.00038	0.00014
	December		0.0000055	5.4	0.000029	0.00000016	746	**2496**	7.4E-08	0.0000047	0.00000039	0.000047	5.2E-08	0.26	88	0.00032	0.000039
	January	**2054**	0.0000044	5.4	0.000027	0.00000014	757	**2534**	6.6E-08	0.0000034	0.0000003	0.000046	5.2E-08	0.21	89	0.00032	0.000023
	February		0.0000041	5.2	0.000026	0.00000014	756	**2531**	6.4E-08	0.0000032	0.00000029	0.000046	5.2E-08	0.21	88	0.00032	0.000020
	March		0.0000041	5.1	0.000037	0.00000024	733	**2451**	9.0E-08	0.000026	0.0000010	0.000045	5.5E-08	0.46	86	0.00033	0.000038
	April		0.0000045	4.7	0.00012	0.0000010	608	**2031**	0.00000022	0.00010	0.0000040	0.000042	8.8E-08	2.5	74	0.00034	0.00011
	May		0.0000043	4.4	0.00010	0.00000086	507	**1693**	0.00000027	0.00019	0.0000060	0.000039	7.1E-08	2.1	65	0.00037	0.00018
	June		0.0000044	4.5	0.000080	0.00000068	610	**2038**	0.00000023	0.00017	0.0000054	0.000042	6.7E-08	1.5	77	0.00038	0.00016
	July		0.0000049	4.4	0.00010	0.00000086	583	**1950**	0.00000024	0.00016	0.0000052	0.000041	7.7E-08	2.2	73	0.00037	0.00016
	August		0.0000050	4.1	0.00016	0.0000014	483	**1614**	0.00000033	0.00020	0.0000071	0.000039	0.0000001	3.7	62	0.00036	**0.00020**
	September		0.0000044	4.0	0.000094	0.0000008	524	**1751**	0.00000026	0.00020	0.0000062	0.000039	6.9E-08	1.9	67	0.00038	0.00018
	October		0.0000042	4.0	0.000081	0.00000071	587	**1960**	0.00000024	0.00019	0.0000059	0.000041	6.6E-08	1.6	74	0.00039	0.00017
	November		0.0000041	4.1	0.000061	0.00000048	662	**2213**	0.00000015	0.000082	0.0000028	0.000044	6.3E-08	1.3	80	0.00035	0.00010
	December		0.0000041	4.1	0.000026	0.00000014	747	**2501**	6.4E-08	0.0000034	0.00000028	0.000046	5.2E-08	0.30	88	0.00032	0.000028
	January	**2055**	0.0000040	4.0	0.000025	0.00000013	755	**2526**	6.4E-08	0.0000058	0.00000034	0.000045	5.2E-08	0.22	88	0.00032	0.000020
	February		0.0000039	3.9	0.000025	0.00000012	755	**2527**	6.2E-08	0.0000041	0.00000029	0.000045	5.2E-08	0.21	88	0.00032	0.000018
	March		0.0000039	3.8	0.000025	0.00000012	756	**2531**	6.1E-08	0.0000030	0.00000026	0.000045	5.2E-08	0.21	88	0.00032	0.000017
	April		0.0000035	3.5	0.000041	0.00000035	653	**2183**	0.00000019	0.00018	0.0000050	0.000040	5.1E-08	0.44	81	0.00038	0.00010
	May		0.0000035	3.4	0.000040	0.00000037	648	**2164**	0.00000021	0.00021	0.0000060	0.000041	4.8E-08	0.31	82	0.00041	0.00014
	June		0.0000036	3.3	0.000042	0.00000039	640	**2139**	0.00000022	0.00022	0.0000061	0.000040	4.9E-08	0.36	81	0.00041	0.00014
	July		0.0000036	3.0	0.000044	0.00000045	570	**1901**	0.00000026	0.00028	0.0000078	0.000037	4.5E-08	0.38	75	0.00042	0.00017
	August		0.0000036	3.0	0.000044	0.00000044	601	**2004**	0.00000026	0.00029	0.0000079	0.000039	4.6E-08	0.28	79	0.00044	0.00018
	September		0.0000037	3.0	0.000041	0.00000039	651	**2174**	0.00000023	0.00024	0.0000067	0.000041	4.8E-08	0.27	84	0.00042	0.00016
	October		0.0000034	2.8	0.000039	0.00000036	648	**2163**	0.00000022	0.00022	0.0000061	0.000041	4.7E-08	0.25	83	0.00041	0.00015
	November		0.0000036	2.8	0.000029	0.0000002	700	**2339**	0.00000011	0.000076	0.0000022	0.000044	5.0E-08	0.23	85	0.00035	0.000077
	December		0.0000039	2.8	0.000025	0.00000012	751	**2513**	6.1E-08	0.0000031	0.00000027	0.000045	5.2E-08	0.21	88	0.00032	0.000021

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.0049	0.0096	5.7	**0.076**	0.15	0.12	0.00056	883	12	**2893**	0.86	0.0099	0.0019	0.0018
	February		0.0049	0.0096	5.7	**0.076**	0.15	0.12	0.00056	883	12	**2893**	0.85	0.0099	0.0019	0.0018
	March		0.0088	0.0094	5.4	**0.086**	0.58	0.12	0.00055	886	12	**2902**	0.84	0.014	0.0018	0.0017
	April		0.057	0.0085	4.5	**0.14**	5.5	0.11	0.00053	884	10	**2898**	0.76	**0.067**	0.0016	0.0016
	May		0.017	0.0084	4.3	**0.15**	1.6	0.10	0.00053	887	9.9	**2906**	0.75	0.023	0.0016	0.0016
	June		0.021	0.0084	4.5	**0.13**	2.0	0.11	0.00052	888	11	**2910**	0.78	0.027	0.0016	0.0016
	July		0.032	0.0084	4.4	**0.14**	3.1	0.11	0.00052	889	10	**2913**	0.75	**0.040**	0.0016	0.0016
	August		0.033	0.0084	4.3	**0.16**	3.4	0.10	0.00053	887	9.7	**2905**	0.74	**0.041**	0.0016	0.0016
	September		0.021	0.0085	4.4	**0.13**	2.0	0.10	0.00052	889	10	**2914**	0.76	0.027	0.0016	0.0016
	October		0.019	0.0088	4.7	**0.12**	1.8	0.11	0.00054	888	11	**2909**	0.78	0.025	0.0017	0.0017
	November		0.011	0.0089	4.9	**0.11**	0.91	0.11	0.00054	887	11	**2907**	0.78	0.017	0.0017	0.0017
	December		0.0066	0.0095	5.5	**0.084**	0.46	0.12	0.00055	884	12	**2897**	0.83	0.012	0.0018	0.0018
	January	**2052**	0.0029	0.0049	6.4	**0.076**	0.16	0.070	0.00029	888	11	**2908**	0.78	0.0071	0.00095	0.00096
	February		0.0027	0.0043	6.6	**0.076**	0.13	0.064	0.00026	888	11	**2911**	0.76	0.0068	0.00083	0.00086
	March		0.0031	0.0042	6.5	**0.076**	0.17	0.063	0.00025	888	11	**2909**	0.76	0.0072	0.00081	0.00084
	April		0.023	0.0030	4.5	**0.12**	2.2	0.049	0.00020	885	8.9	**2900**	0.66	0.029	0.00057	0.00066
	May		0.020	0.0030	4.3	**0.12**	2.0	0.048	0.00020	885	8.8	**2900**	0.65	0.026	0.00057	0.00067
	June		0.014	0.0030	4.4	**0.12**	1.5	0.049	0.00021	886	9.6	**2903**	0.70	0.020	0.00057	0.00068
	July		0.031	0.0030	4.2	**0.13**	3.1	0.048	0.00021	885	8.1	**2901**	0.61	**0.038**	0.00057	0.00067
	August		0.018	0.0030	4.2	**0.12**	1.9	0.048	0.00020	885	8.3	**2901**	0.62	0.024	0.00057	0.00067
	September		0.011	0.0030	4.4	**0.12**	1.2	0.049	0.00021	884	9.7	**2896**	0.70	0.016	0.00057	0.00068
	October		0.011	0.0033	5.0	**0.11**	1.1	0.054	0.00022	887	11	**2906**	0.76	0.016	0.00064	0.00072
	November		0.0035	0.0043	6.4	**0.080**	0.29	0.063	0.00025	888	11	**2910**	0.75	0.0076	0.00082	0.00085
	December		0.0028	0.0043	6.6	**0.076**	0.15	0.063	0.00025	888	11	**2909**	0.76	0.0069	0.00082	0.00085
		MINIMUM	0.0027	0.0030	4.2	**0.074**	0.13	0.048	0.00020	827	8.1	**2711**	0.61	0.0068	0.00057	0.00066
		MAXIMUM	0.058	0.0099	9.5	**0.16**	5.7	0.12	0.00057	891	19	**2919**	1.3	**0.069**	0.0019	0.0018
		AVERAGE	0.016	0.0086	5.3	**0.11**	1.5	0.11	0.00052	886	11	**2903**	0.82	0.023	0.0017	0.0016
Decommissioning	**January**	**2053**	0.00074	0.00037	8.3	**0.071**	0.19	0.032	0.000027	447	16	634	1.1	0.0067	0.000070	0.00022
	February		0.00043	0.0000046	8.4	**0.069**	0.19	0.029	0.0000047	333	17	40	1.2	0.0066	0.00000011	0.00016
	March		0.011	0.000011	8.2	**0.076**	1.0	0.029	0.0000093	316	17	20	1.2	0.018	0.00000038	0.00017
	April		0.027	0.000054	7.0	**0.13**	3.1	0.023	0.000038	211	11	89	0.83	**0.035**	0.0000009	0.00019
	May		0.015	0.000056	7.0	**0.12**	1.9	0.024	0.000038	230	12	89	0.89	0.022	0.00000057	0.00020
	June		0.011	0.000042	7.4	**0.11**	1.3	0.027	0.000029	277	15	72	1.0	0.018	0.00000043	0.00020
	July		0.020	0.000049	7.0	**0.13**	2.4	0.026	0.000034	252	13	84	0.96	0.027	0.00000069	0.00020
	August		0.032	0.000046	6.9	**0.13**	3.4	0.026	0.000033	251	13	83	0.96	**0.041**	0.0000010	0.00019
	September		0.026	0.000062	6.2	**0.15**	3.1	0.022	0.000043	191	10	103	0.77	**0.034**	0.0000009	0.00020
	October		0.014	0.000061	6.4	**0.13**	1.8	0.024	0.000040	225	12	96	0.87	0.020	0.00000055	0.00020
	November		0.0066	0.000046	6.6	**0.11**	1.1	0.027	0.000031	270	14	77	1.0	0.013	0.00000033	0.00020
	December		0.00043	0.0000048	7.0	**0.074**	0.24	0.029	0.0000048	322	17	16	1.2	0.0066	0.0000001	0.00016
	January	**2054**	0.00036	0.0000043	6.9	**0.069**	0.19	0.029	0.0000039	327	17	7.0	1.2	0.0066	8.9E-08	0.00016
	February		0.00034	0.0000042	6.7	**0.069**	0.19	0.029	0.0000036	327	17	5.9	1.2	0.0066	8.6E-08	0.00016
	March		0.0029	0.000011	6.5	**0.076**	0.46	0.029	0.0000079	316	17	16	1.2	0.0093	0.00000016	0.00017
	April		0.026	0.000033	6.0	**0.11**	2.7	0.026	0.000024	260	14	53	0.98	**0.034**	0.0000008	0.00018
	May		0.018	0.000055	5.4	**0.13**	2.2	0.023	0.000037	215	11	89	0.84	0.025	0.00000065	0.00020
	June		0.013	0.000051	5.7	**0.12**	1.6	0.026	0.000034	260	14	83	0.99	0.020	0.00000048	0.00020
	July		0.019	0.000047	5.5	**0.12**	2.3	0.025	0.000032	249	13	80	0.95	0.027	0.00000065	0.00019
	August		0.037	0.000060	5.0	**0.14**	4.0	0.023	0.000042	204	11	102	0.81	**0.046**	0.0000012	0.00020
	September		0.016	0.000058	5.0	**0.13**	2.0	0.024	0.000039	223	12	92	0.86	0.023	0.00000059	0.00020
	October		0.013	0.000056	5.1	**0.12**	1.7	0.026	0.000037	250	13	89	0.96	0.020	0.0000005	0.00021
	November		0.0091	0.000026	5.2	**0.10**	1.3	0.028	0.000018	284	15	52	1.1	0.016	0.00000035	0.00018
	December		0.00035	0.0000042	5.3	**0.072**	0.29	0.029	0.0000037	323	17	10	1.2	0.0066	8.7E-08	0.00016
	January	**2055**	0.00031	0.0000048	5.2	**0.070**	0.20	0.029	0.0000036	326	17	6.6	1.2	0.0066	7.7E-08	0.00016
	February		0.00027	0.0000044	5.1	**0.070**	0.19	0.029	0.0000032	326	17	6.1	1.2	0.0066	7.2E-08	0.00016
	March		0.00026	0.0000040	4.9	**0.069**	0.19	0.029	0.0000030	327	17	5.4	1.2	0.0066	7.1E-08	0.00016
	April		0.0024	0.000051	4.5	**0.094**	0.44	0.026	0.000032	280	15	60	1.0	0.0090	0.00000018	0.00020
	May		0.00090	0.000061	4.4	**0.11**	0.29	0.027	0.000038	277	15	87	1.0	0.0071	0.00000017	0.00022
	June		0.0018	0.000062	4.2	**0.11**	0.35	0.026	0.000039	274	14	87	1.0	0.0082	0.00000019	0.00021
	July		0.0016	0.000079	3.9	**0.11**	0.37	0.024	0.000049	243	13	104	0.92	0.0076	0.00000021	0.00022
	August		0.00090	0.000081	3.8	**0.12**	0.26	0.025	0.000050	256	14	112	0.97	0.0069	0.0000002	0.00023
	September		0.00066	0.000068	3.8	**0.12**	0.24	0.027	0.000042	278	15	99	1.0	0.0068	0.00000017	0.00022
	October		0.00061	0.000063	3.7	**0.11**	0.23	0.026	0.000039	277	15	89	1.0	0.0067	0.00000016	0.00022
	November		0.00037	0.000024	3.7	**0.089**	0.20	0.028	0.000015	301	16	44	1.1	0.0066	9.8E-08	0.00018
	December		0.00026	0.0000041	3.7	**0.071**	0.19	0.029	0.0000031	324	17	8.3	1.2	0.0066	7.1E-08	0.00016

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.0000032	2.7	0.000023	0.00000011	756	**2532**	5.8E-08	0.0000025	0.00000021	0.000045	5.1E-08	0.21	88	0.00032	0.000014
	February		0.0000029	2.6	0.000023	0.0000001	755	**2528**	5.7E-08	0.0000024	0.00000018	0.000045	5.1E-08	0.21	88	0.00032	0.000013
	March		0.0000027	2.4	0.000033	0.00000027	681	**2277**	0.00000016	0.00015	0.0000042	0.000041	4.8E-08	0.25	83	0.00038	0.000088
	April		0.0000027	2.3	0.000030	0.00000023	684	**2286**	0.00000014	0.00012	0.0000033	0.000042	4.9E-08	0.24	84	0.00037	0.000091
	May		0.0000027	2.2	0.000030	0.00000022	705	**2357**	0.00000013	0.00010	0.0000029	0.000043	4.9E-08	0.24	85	0.00036	0.000071
	June		0.0000027	2.1	0.000031	0.00000024	695	**2324**	0.00000014	0.00012	0.0000034	0.000042	4.9E-08	0.24	85	0.00037	0.000089
	July		0.0000027	1.9	0.000037	0.00000035	649	**2168**	0.00000021	0.00022	0.0000060	0.000040	4.7E-08	0.26	82	0.00041	0.00013
	August		0.0000026	1.8	0.000038	0.00000036	633	**2114**	0.00000021	0.00022	0.0000062	0.000039	4.7E-08	0.26	81	0.00041	0.00014
	September		0.0000025	1.6	0.000042	0.00000043	606	**2023**	0.00000026	0.00029	0.0000080	0.000038	4.5E-08	0.25	79	0.00044	0.00018
	October		0.0000026	1.6	0.000037	0.00000035	657	**2195**	0.00000022	0.00023	0.0000063	0.000041	4.7E-08	0.22	84	0.00042	0.00015
	November		0.0000028	1.5	0.000026	0.00000016	720	**2408**	9.3E-08	0.000053	0.0000015	0.000044	5.0E-08	0.21	87	0.00034	0.000064
	December		0.0000030	1.4	0.000023	0.0000001	754	**2523**	5.7E-08	0.0000024	0.00000018	0.000045	5.1E-08	0.21	88	0.00032	0.000015
	January	**2057**	0.0000018	1.3	0.000020	7.8E-08	755	**2527**	5.0E-08	0.0000014	9.2E-08	0.000044	5.1E-08	0.21	88	0.00032	0.0000076
	February		0.0000013	1.2	0.000019	7.2E-08	755	**2528**	4.8E-08	0.0000012	6.1E-08	0.000043	5.1E-08	0.21	88	0.00032	0.0000047
	March		0.0000013	1.1	0.000019	7.2E-08	755	**2527**	4.8E-08	0.0000012	6.0E-08	0.000043	5.1E-08	0.21	88	0.00032	0.0000045
	April		0.0000012	0.96	0.000031	0.00000028	684	**2286**	0.00000018	0.00018	0.0000049	0.000040	4.8E-08	0.25	85	0.00039	0.000097
	May		0.0000012	0.86	0.000027	0.00000022	692	**2312**	0.00000014	0.00013	0.0000036	0.000041	4.8E-08	0.22	85	0.00037	0.000097
	June		0.0000013	0.77	0.000024	0.00000015	734	**2457**	9.8E-08	0.000071	0.0000020	0.000042	5.0E-08	0.22	88	0.00035	0.000044
	July		0.0000012	0.64	0.000034	0.00000033	667	**2230**	0.00000021	0.00023	0.0000061	0.000039	4.7E-08	0.25	84	0.00041	0.00013
	August		0.0000012	0.52	0.000035	0.00000035	662	**2210**	0.00000022	0.00025	0.0000067	0.000039	4.7E-08	0.24	85	0.00042	0.00015
	September		0.0000012	0.42	0.000034	0.00000034	668	**2232**	0.00000022	0.00024	0.0000064	0.000040	4.7E-08	0.22	85	0.00042	0.00015
	October		0.0000012	0.32	0.000025	0.00000017	711	**2378**	0.00000011	0.000092	0.0000025	0.000042	4.9E-08	0.22	87	0.00036	0.000077
	November		0.0000013	0.22	0.000021	0.00000011	739	**2474**	6.8E-08	0.000030	0.00000085	0.000043	5.0E-08	0.21	87	0.00033	0.000029
	December		0.0000013	0.11	0.000019	7.5E-08	754	**2523**	4.9E-08	0.0000032	0.00000011	0.000043	5.1E-08	0.21	88	0.00032	0.0000072
		MINIMUM	0.0000012	0.11	0.000019	7.2E-08	453	**1512**	4.8E-08	0.0000012	6.0E-08	0.000037	4.5E-08	0.20	59	0.00032	0.0000045
		MAXIMUM	0.0042	6.6	0.0015	0.0000014	757	**2534**	0.000013	0.00029	0.00014	0.00096	0.0000027	3.7	89	0.00081	**0.00021**
		AVERAGE	0.000073	3.2	0.000074	0.00000041	666	**2226**	0.00000038	0.00012	0.0000059	0.000057	0.0000001	0.76	81	0.00037	0.000099

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-8: Scenario 11: Reasonable Upper Bound - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.00021	0.0000038	3.6	**0.069**	0.19	0.029	0.0000025	327	17	4.6	1.2	0.0066	6.1E-08	0.00016
	February		0.00019	0.0000037	3.4	**0.069**	0.19	0.029	0.0000024	326	17	4.0	1.2	0.0066	5.8E-08	0.00016
	March		0.00062	0.000044	3.1	**0.093**	0.24	0.027	0.000027	293	15	52	1.1	0.0068	0.00000013	0.00020
	April		0.00044	0.000035	3.0	**0.094**	0.22	0.028	0.000022	294	16	54	1.1	0.0067	0.00000011	0.00019
	May		0.00044	0.000031	2.9	**0.088**	0.22	0.028	0.000019	303	16	42	1.1	0.0067	0.00000011	0.00019
	June		0.00043	0.000035	2.7	**0.094**	0.22	0.028	0.000022	299	16	53	1.1	0.0067	0.00000011	0.00019
	July		0.00067	0.000061	2.5	**0.11**	0.24	0.026	0.000038	278	15	80	1.0	0.0068	0.00000016	0.00021
	August		0.00076	0.000064	2.4	**0.11**	0.24	0.026	0.000039	271	14	89	1.0	0.0069	0.00000016	0.00021
	September		0.00059	0.000082	2.2	**0.12**	0.23	0.025	0.000051	259	14	110	0.98	0.0066	0.00000018	0.00023
	October		0.00029	0.000065	2.1	**0.12**	0.20	0.027	0.000040	281	15	95	1.1	0.0064	0.00000015	0.00022
	November		0.00019	0.000017	2.1	**0.087**	0.19	0.029	0.000011	310	16	37	1.1	0.0065	7.7E-08	0.00017
	December		0.00019	0.0000037	2.0	**0.070**	0.19	0.029	0.0000024	326	17	5.7	1.2	0.0066	5.9E-08	0.00016
	January	**2057**	0.000094	0.0000032	1.9	**0.069**	0.19	0.029	0.0000013	326	17	2.6	1.2	0.0066	3.9E-08	0.00016
	February		0.000068	0.0000031	1.8	**0.069**	0.19	0.029	0.00000095	326	17	1.7	1.2	0.0066	3.2E-08	0.00016
	March		0.000068	0.0000031	1.6	**0.069**	0.19	0.029	0.00000095	326	17	1.7	1.2	0.0066	3.1E-08	0.00016
	April		0.00046	0.000052	1.4	**0.099**	0.23	0.027	0.000031	294	16	61	1.1	0.0068	0.00000011	0.00021
	May		0.000097	0.000038	1.3	**0.10**	0.19	0.028	0.000023	297	16	60	1.1	0.0064	9.0E-08	0.00019
	June		0.00015	0.000022	1.2	**0.083**	0.20	0.029	0.000013	317	17	27	1.2	0.0066	6.5E-08	0.00018
	July		0.00044	0.000064	0.98	**0.11**	0.23	0.027	0.000038	286	15	84	1.1	0.0068	0.00000014	0.00022
	August		0.00027	0.000069	0.84	**0.12**	0.21	0.027	0.000042	283	15	94	1.1	0.0066	0.00000014	0.00023
	September		0.00017	0.000066	0.71	**0.12**	0.20	0.027	0.000040	286	15	94	1.1	0.0065	0.00000013	0.00022
	October		0.00010	0.000028	0.61	**0.094**	0.19	0.028	0.000016	306	16	48	1.1	0.0065	7.1E-08	0.00018
	November		0.000086	0.000011	0.49	**0.078**	0.19	0.029	0.0000058	319	17	18	1.2	0.0066	4.6E-08	0.00017
	December		0.000069	0.0000036	0.36	**0.070**	0.19	0.029	0.0000013	326	17	3.4	1.2	0.0066	3.2E-08	0.00016
		MINIMUM	0.000068	0.0000031	0.36	**0.069**	0.19	0.022	0.00000095	191	10	1.7	0.77	0.0064	3.1E-08	0.00016
		MAXIMUM	0.037	0.00037	8.4	**0.15**	4.0	0.032	0.000051	447	17	634	1.2	**0.046**	0.000070	0.00023
		AVERAGE	0.0056	0.000042	4.2	**0.098**	0.78	0.027	0.000024	289	15	65	1.1	0.012	0.0000014	0.00019

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2026**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2027**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2028**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Operations	**January**	**2029**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2026**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2027**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2028**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**January**	**2029**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2031**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2032**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2033**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2034**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2035**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2030**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2031**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2032**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2033**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2034**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2035**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**April**	**2035**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2036**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2037**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2038**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2039**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2040**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August	**2035**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2036**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2037**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**November**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2038**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2039**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April	**2040**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July	**2040**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2041**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2042**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2043**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2044**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2045**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Operations																	

Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September	**2040**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2041**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2042**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**February**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2043**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2044**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May	**2045**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2046**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2047**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2048**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2049**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2050**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November	**2045**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2046**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2047**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**May**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2048**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2049**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2050**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2052**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2053**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Decommissioning	**January**	**2054**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2055**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2052**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Decommissioning	**January**	**2053**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2054**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2055**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2057**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0067	0.025	0.000076	0.0000064	0.12	0.19	0.000033	0.00013	0.000026	0.0048	0.0000066	0.0013	0.035	0.012	0.00000058
	April		0.021	0.079	0.00023	0.000020	0.52	0.62	0.00012	0.00039	0.00010	0.034	0.000024	0.0056	0.16	0.037	0.0000019
	May		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00014	0.025	0.000034	0.0071	0.18	0.061	0.0000030
	June		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.033	0.000046	0.0094	0.24	0.081	0.0000040
	July		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	August		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	September		0.030	0.11	0.00034	0.000028	0.51	0.85	0.00014	0.00056	0.00012	0.021	0.000029	0.0059	0.15	0.051	0.0000025
	October		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.050	0.0000085	0.000033	0.0000068	0.0012	0.0000017	0.00035	0.0090	0.0030	0.00000015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000034	0.00013	0.000027	0.0049	0.0000068	0.0014	0.036	0.012	0.0000006
	May		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.028	0.000038	0.0079	0.20	0.068	0.0000034
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.031	0.000042	0.0087	0.22	0.075	0.0000037
	July		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	September		0.037	0.14	0.00041	0.000035	0.63	1.0	0.00018	0.00069	0.00014	0.026	0.000036	0.0073	0.19	0.063	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	April		0.021	0.079	0.00024	0.000020	0.36	0.60	0.00010	0.00039	0.000082	0.015	0.000020	0.0042	0.11	0.036	0.0000018
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.031	0.000042	0.0087	0.22	0.075	0.0000037
	July		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00016	0.028	0.000038	0.0079	0.20	0.068	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	October		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000014	0.0025	0.0000034	0.00070	0.018	0.0060	0.0000003
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014

Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2057**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000013	0.00017	0.0068	0.00031	0.00036	0.00034	0.0000066	0.060	0.0013	0.25	0.00066	0.0000066	0.000026	0.00045
	April		0.000043	0.00052	0.042	0.0031	0.0019	0.0014	0.000024	0.25	0.0054	0.83	0.0024	0.000024	0.00010	0.0015
	May		0.000068	0.00087	0.036	0.0016	0.0019	0.0018	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00014	0.0024
	June		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0093	1.8	0.0046	0.000046	0.00018	0.0031
	July		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	August		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	September		0.000057	0.00073	0.030	0.0014	0.0016	0.0015	0.000029	0.26	0.0059	1.1	0.0029	0.000029	0.00012	0.0020
	October		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	November		0.0000033	0.000043	0.0018	0.000081	0.000092	0.000087	0.0000017	0.016	0.00035	0.065	0.00017	0.0000017	0.0000068	0.00012
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000013	0.00017	0.0070	0.00032	0.00037	0.00035	0.0000068	0.062	0.0014	0.26	0.00068	0.0000068	0.000027	0.00047
	May		0.000076	0.00097	0.040	0.0018	0.0021	0.0020	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	June		0.000083	0.0011	0.044	0.0020	0.0023	0.0022	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	August		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	September		0.000070	0.00090	0.037	0.0017	0.0019	0.0018	0.000036	0.33	0.0073	1.4	0.0036	0.000036	0.00014	0.0024
	October		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	April		0.000040	0.00051	0.021	0.00097	0.0011	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000082	0.0014
	May		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	June		0.000083	0.0011	0.044	0.0020	0.0023	0.0022	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000076	0.00098	0.040	0.0018	0.0021	0.0020	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00016	0.0026
	August		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	September		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	October		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	November		0.0000067	0.000086	0.0035	0.00016	0.00018	0.00017	0.0000034	0.031	0.00069	0.13	0.00034	0.0000034	0.000014	0.00023
	December		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	January		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000057	0.00022	0.000046	0.0084	0.000011	0.0024	0.061	0.020	0.0000010
	April		0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	May		0.023	0.087	0.00026	0.000022	0.40	0.66	0.00011	0.00043	0.000090	0.016	0.000022	0.0046	0.12	0.039	0.0000020
	June	**2061**	0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	July		0.052	0.20	0.00059	0.000049	0.90	1.5	0.00025	0.00099	0.00020	0.037	0.000051	0.010	0.27	0.089	0.0000045
	August		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00014	0.025	0.000034	0.0071	0.18	0.061	0.0000030
	November		0.0052	0.020	0.000059	0.0000049	0.090	0.15	0.000025	0.000099	0.000020	0.0037	0.0000051	0.0010	0.027	0.0089	0.00000045
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0084	0.032	0.000096	0.0000080	0.15	0.24	0.000041	0.00016	0.000033	0.0060	0.0000082	0.0017	0.043	0.014	0.00000072
	April		0.0087	0.033	0.000099	0.0000082	0.15	0.25	0.000042	0.00016	0.000034	0.0062	0.0000085	0.0017	0.045	0.015	0.00000075
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	June	**2062**	0.045	0.17	0.00051	0.000043	0.78	1.3	0.00022	0.00085	0.00018	0.032	0.000044	0.0090	0.23	0.078	0.0000039
	July		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	October		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	November		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.011	0.000015	0.0031	0.081	0.027	0.0000013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	February		0.0037	0.014	0.000042	0.0000035	0.064	0.11	0.000018	0.000070	0.000015	0.0026	0.0000036	0.00075	0.019	0.0064	0.00000032
	March		0.0084	0.032	0.000096	0.0000080	0.15	0.24	0.000041	0.00016	0.000033	0.0060	0.0000082	0.0017	0.043	0.014	0.00000072
	April		0.016	0.060	0.00018	0.000015	0.27	0.45	0.000077	0.00030	0.000062	0.011	0.000015	0.0032	0.082	0.027	0.0000014
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	June	**2063**	0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	July		0.046	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00018	0.032	0.000044	0.0091	0.23	0.078	0.0000039
Reclamation	**August**		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00074	0.00015	0.028	0.000038	0.0078	0.20	0.067	0.0000034
	September		0.037	0.14	0.00041	0.000035	0.63	1.0	0.00018	0.00069	0.00014	0.026	0.000036	0.0073	0.19	0.063	0.0000031
	October		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	April		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.011	0.000015	0.0031	0.081	0.027	0.0000013
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000082	0.00032	0.000066	0.012	0.000016	0.0034	0.087	0.029	0.0000014
	June	**2064**	0.026	0.099	0.00030	0.000025	0.45	0.75	0.00013	0.00049	0.00010	0.019	0.000025	0.0052	0.13	0.045	0.0000022
	July		0.021	0.080	0.00024	0.000020	0.37	0.61	0.00010	0.00040	0.000083	0.015	0.000021	0.0042	0.11	0.036	0.0000018
	August		0.040	0.15	0.00046	0.000038	0.70	1.2	0.00020	0.00076	0.00016	0.029	0.000039	0.0081	0.21	0.069	0.0000035
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00019	0.00072	0.00015	0.027	0.000037	0.0077	0.20	0.066	0.0000033
	October		0.015	0.057	0.00017	0.000014	0.26	0.43	0.000074	0.00029	0.000059	0.011	0.000015	0.0030	0.078	0.026	0.0000013
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000095	0.17	0.29	0.000049	0.00019	0.000039	0.0071	0.0000097	0.0020	0.052	0.017	0.00000086
	April		0.030	0.11	0.00034	0.000028	0.51	0.85	0.00014	0.00056	0.00012	0.021	0.000029	0.0059	0.15	0.051	0.0000025
	May		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	June	**2065**	0.045	0.17	0.00051	0.000043	0.78	1.3	0.00022	0.00085	0.00018	0.032	0.000044	0.0090	0.23	0.078	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00025	0.00095	0.00020	0.036	0.000049	0.010	0.26	0.087	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00019	0.00072	0.00015	0.027	0.000037	0.0077	0.20	0.066	0.0000033
	October		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	November		0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	January		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	February	**2066**	0.015	0.056	0.00017	0.000014	0.26	0.43	0.000073	0.00028	0.000059	0.011	0.000015	0.0030	0.077	0.026	0.0000013
	March		0.022	0.083	0.00025	0.000021	0.38	0.63	0.00011	0.00041	0.000086	0.016	0.000021	0.0044	0.11	0.038	0.0000019

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000023	0.00029	0.012	0.00055	0.00063	0.00059	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000046	0.00079
	April		0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000044	0.00057	0.023	0.0011	0.0012	0.0012	0.000022	0.21	0.0046	0.86	0.0022	0.000022	0.000090	0.0015
	June	**2061**	0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	July		0.00010	0.0013	0.053	0.0024	0.0028	0.0026	0.000051	0.47	0.010	1.9	0.0051	0.000051	0.00020	0.0035
	August		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	September		0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	October		0.000068	0.00087	0.036	0.0016	0.0019	0.0018	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00014	0.0024
	November		0.0000100	0.00013	0.0053	0.00024	0.00028	0.00026	0.0000051	0.047	0.0010	0.19	0.00051	0.0000051	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000016	0.00021	0.0085	0.00039	0.00045	0.00042	0.0000082	0.075	0.0017	0.31	0.00082	0.0000082	0.000033	0.00056
	April		0.000017	0.00021	0.0088	0.00040	0.00046	0.00044	0.0000085	0.078	0.0017	0.32	0.00085	0.0000085	0.000034	0.00058
	May		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	June	**2062**	0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.40	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	July		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	August		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	September		0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	October		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	November		0.000030	0.00039	0.016	0.00073	0.00083	0.00079	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000061	0.0010
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	February		0.0000071	0.000092	0.0038	0.00017	0.00020	0.00019	0.0000036	0.033	0.00074	0.14	0.00036	0.0000036	0.000015	0.00025
	March		0.000016	0.00021	0.0085	0.00039	0.00045	0.00042	0.0000082	0.075	0.0017	0.31	0.00082	0.0000082	0.000033	0.00056
	April		0.000030	0.00039	0.016	0.00074	0.00084	0.00080	0.000015	0.14	0.0032	0.59	0.0015	0.000015	0.000062	0.0011
	May		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	June	**2063**	0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	July		0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
Reclamation	**August**		0.000075	0.00096	0.039	0.0018	0.0021	0.0020	0.000038	0.35	0.0077	1.5	0.0038	0.000038	0.00015	0.0026
	September		0.000070	0.00090	0.037	0.0017	0.0019	0.0018	0.000036	0.33	0.0073	1.4	0.0036	0.000036	0.00014	0.0024
	October		0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	April		0.000030	0.00039	0.016	0.00073	0.00083	0.00079	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000061	0.0010
	May		0.000032	0.00042	0.017	0.00078	0.00089	0.00085	0.000016	0.15	0.0033	0.63	0.0016	0.000016	0.000066	0.0011
	June	**2064**	0.000050	0.00064	0.026	0.0012	0.0014	0.0013	0.000025	0.23	0.0052	0.97	0.0025	0.000025	0.00010	0.0017
	July		0.000041	0.00052	0.021	0.00098	0.0011	0.0011	0.000021	0.19	0.0042	0.79	0.0021	0.000021	0.000083	0.0014
	August		0.000077	0.00100	0.041	0.0019	0.0021	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00016	0.0027
	September		0.000073	0.00094	0.039	0.0018	0.0020	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0026
	October		0.000029	0.00037	0.015	0.00070	0.00080	0.00076	0.000015	0.14	0.0030	0.56	0.0015	0.000015	0.000059	0.0010
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.010	0.00046	0.00053	0.00050	0.0000097	0.090	0.0020	0.37	0.00097	0.0000097	0.000039	0.00067
	April		0.000057	0.00073	0.030	0.0014	0.0016	0.0015	0.000029	0.26	0.0059	1.1	0.0029	0.000029	0.00012	0.0020
	May		0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	June	**2065**	0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.40	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	July		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	August		0.000097	0.0012	0.051	0.0023	0.0027	0.0025	0.000049	0.45	0.010	1.9	0.0049	0.000049	0.00020	0.0034
	September		0.000073	0.00094	0.039	0.0018	0.0020	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0026
	October		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	November		0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	January		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	February	**2066**	0.000029	0.00037	0.015	0.00069	0.00079	0.00075	0.000015	0.13	0.0030	0.56	0.0015	0.000015	0.000059	0.00100
	March		0.000042	0.00054	0.022	0.0010	0.0012	0.0011	0.000021	0.20	0.0043	0.82	0.0021	0.000021	0.000086	0.0015

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.87	0.00015	0.00057	0.00012	0.021	0.000030	0.0061	0.16	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.60	0.00010	0.00039	0.000082	0.015	0.000020	0.0042	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.70	0.00012	0.00046	0.000096	0.017	0.000024	0.0049	0.13	0.042	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000057	0.00022	0.000046	0.0084	0.000011	0.0024	0.061	0.020	0.0000010
	November		0.0052	0.020	0.000059	0.0000049	0.090	0.15	0.000025	0.000099	0.000020	0.0037	0.0000051	0.0010	0.027	0.0089	0.00000045
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	April		0.028	0.11	0.00032	0.000026	0.48	0.80	0.00014	0.00053	0.00011	0.020	0.000027	0.0056	0.14	0.048	0.0000024
	May		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	June		0.033	0.13	0.00038	0.000031	0.57	0.94	0.00016	0.00062	0.00013	0.023	0.000032	0.0066	0.17	0.057	0.0000028
	July		0.046	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00018	0.032	0.000044	0.0091	0.23	0.078	0.0000039
	August		0.047	0.18	0.00054	0.000045	0.81	1.3	0.00023	0.00089	0.00019	0.033	0.000046	0.0094	0.24	0.081	0.0000041
	September		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.033	0.000046	0.0094	0.24	0.081	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	November		0.0048	0.018	0.000054	0.0000045	0.083	0.14	0.000023	0.000090	0.000019	0.0034	0.0000047	0.00096	0.025	0.0082	0.00000041
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
		MAXIMUM	0.052	0.20	0.00059	0.000049	0.90	1.5	0.00025	0.00099	0.00020	0.037	0.000051	0.010	0.27	0.089	0.0000045
		AVERAGE	0.027	0.10	0.00031	0.000026	0.48	0.78	0.00013	0.00052	0.00011	0.020	0.000027	0.0055	0.14	0.047	0.0000024
Post-Closure	**January**	**≥2070**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	April		0.023	0.086	0.00026	0.000021	0.39	0.65	0.00011	0.00043	0.000089	0.016	0.000022	0.0045	0.12	0.039	0.0000019
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00063	0.00013	0.024	0.000033	0.0067	0.17	0.057	0.0000029
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	July		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	August		0.040	0.15	0.00046	0.000038	0.70	1.2	0.00020	0.00076	0.00016	0.029	0.000039	0.0081	0.21	0.069	0.0000035
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	October		0.032	0.12	0.00036	0.000030	0.55	0.91	0.00016	0.00060	0.00013	0.023	0.000031	0.0064	0.16	0.055	0.0000028
	November		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000034	0.00013	0.000027	0.0049	0.0000068	0.0014	0.036	0.012	0.0000006
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
		MAXIMUM	0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
		AVERAGE	0.029	0.11	0.00033	0.000027	0.50	0.83	0.00014	0.00055	0.00011	0.021	0.000028	0.0058	0.15	0.050	0.0000025

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-9: Scenario 11: Reasonable Upper Bound - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000058	0.00075	0.031	0.0014	0.0016	0.0015	0.000030	0.27	0.0060	1.1	0.0030	0.000030	0.00012	0.0020
	June		0.000040	0.00051	0.021	0.00097	0.0011	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000082	0.0014
	July		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	August	**2066**	0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	September		0.000047	0.00060	0.025	0.0011	0.0013	0.0012	0.000024	0.22	0.0048	0.91	0.0024	0.000024	0.000096	0.0016
	October		0.000023	0.00029	0.012	0.00055	0.00063	0.00059	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000046	0.00079
	November		0.0000100	0.00013	0.0053	0.00024	0.00028	0.00026	0.0000051	0.047	0.0010	0.19	0.00051	0.0000051	0.000020	0.00035
	December		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Reclamation	**February**		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	April		0.000053	0.00069	0.028	0.0013	0.0015	0.0014	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0019
	May		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	June		0.000063	0.00082	0.033	0.0015	0.0018	0.0017	0.000032	0.30	0.0066	1.2	0.0032	0.000032	0.00013	0.0022
	July	**2067**	0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	August		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0094	1.8	0.0046	0.000046	0.00019	0.0032
	September		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0093	1.8	0.0046	0.000046	0.00018	0.0031
	October		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	November		0.0000092	0.00012	0.0048	0.00022	0.00025	0.00024	0.0000047	0.043	0.00095	0.18	0.00047	0.0000047	0.000019	0.00032
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
		MAXIMUM	0.00010	0.0013	0.053	0.0031	0.0028	0.0026	0.000051	0.47	0.010	1.9	0.0051	0.000051	0.00020	0.0035
		AVERAGE	0.000053	0.00068	0.028	0.0013	0.0015	0.0014	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	April		0.000043	0.00056	0.023	0.0010	0.0012	0.0011	0.000022	0.20	0.0045	0.84	0.0022	0.000022	0.000089	0.0015
	May		0.000064	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0066	1.2	0.0033	0.000033	0.00013	0.0022
Post-Closure	**June**	**≥2070**	0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	July		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	August		0.000077	0.00100	0.041	0.0019	0.0021	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00016	0.0027
	September		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	October		0.000061	0.00079	0.032	0.0015	0.0017	0.0016	0.000031	0.29	0.0063	1.2	0.0031	0.000031	0.00013	0.0021
	November		0.000013	0.00017	0.0070	0.00032	0.00037	0.00035	0.0000068	0.062	0.0014	0.26	0.00068	0.0000068	0.000027	0.00047
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
		MAXIMUM	0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
		AVERAGE	0.000056	0.00071	0.029	0.0013	0.0015	0.0015	0.000028	0.26	0.0058	1.1	0.0028	0.000028	0.00011	0.0019

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.000010	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.000100	0.037	1.4	0.057	0.0000040
	April		0.013	0.063	0.00016	0.000013	3.3	0.96	0.00043	0.00018	0.00042	**0.38**	0.000086	0.031	1.2	0.055	0.0000037
	May		0.018	0.079	0.00022	0.000018	2.8	0.99	0.00039	0.00028	0.00038	**0.31**	0.000077	0.027	0.99	0.057	0.0000036
	June		0.026	0.11	0.00031	0.000025	3.3	1.3	0.00046	0.00043	0.00044	**0.35**	0.000091	0.031	1.1	0.074	0.0000045
	July		0.037	0.15	0.00043	0.000036	3.4	1.6	0.00051	0.00064	0.00048	**0.35**	0.00010	0.032	1.2	0.092	0.0000055
	August		0.047	0.19	0.00054	0.000044	3.6	1.8	0.00055	0.00081	0.00052	**0.36**	0.00011	0.034	1.2	0.11	0.0000063
	September		0.047	0.19	0.00055	0.000045	3.1	1.8	0.00050	0.00084	0.00046	**0.31**	0.00010	0.030	1.1	0.10	0.0000060
	October		0.046	0.18	0.00053	0.000044	2.7	1.7	0.00045	0.00082	0.00041	0.26	0.000090	0.026	0.91	0.098	0.0000055
	November		0.043	0.17	0.00049	0.000041	2.4	1.5	0.00040	0.00077	0.00037	0.23	0.000081	0.023	0.80	0.090	0.0000050
	December		0.042	0.17	0.00049	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000079	0.023	0.78	0.089	0.0000049
	January	2026	0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000078	0.022	0.77	0.088	0.0000049
	February		0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00036	0.22	0.000078	0.022	0.77	0.088	0.0000049
	March		0.042	0.17	0.00048	0.000040	2.3	1.5	0.00039	0.00076	0.00035	0.22	0.000078	0.022	0.77	0.088	0.0000049
	April		0.040	0.16	0.00046	0.000038	1.9	1.4	0.00034	0.00072	0.00031	0.18	0.000068	0.019	0.65	0.081	0.0000045
	May		0.054	0.21	0.00062	**0.000052**	2.6	1.9	0.00046	0.00099	0.00041	0.23	0.000091	0.025	0.85	0.11	0.0000060
	June		0.061	0.24	0.00070	**0.000058**	2.7	2.0	0.00049	0.0011	0.00043	0.23	0.000097	0.026	0.88	0.12	0.0000066
	July		0.069	0.27	0.00079	**0.000065**	2.8	2.3	0.00052	0.0013	0.00046	0.24	0.00010	0.028	0.92	0.13	0.0000072
	August		0.066	0.26	0.00076	**0.000063**	2.4	2.1	0.00048	0.0012	0.00042	0.20	0.000095	0.025	0.80	0.13	0.0000068
	September		0.066	0.26	0.00076	**0.000063**	2.3	2.1	0.00046	0.0012	0.00040	0.19	0.000092	0.024	0.76	0.13	0.0000067
	October		0.067	0.26	0.00076	**0.000063**	2.3	2.1	0.00046	0.0012	0.00040	0.18	0.000092	0.023	0.74	0.13	0.0000067
	November		0.069	0.26	0.00078	**0.000065**	2.3	2.2	0.00047	0.0013	0.00041	0.19	0.000094	0.024	0.76	0.13	0.0000068
	December		0.069	0.26	0.00078	**0.000065**	2.3	2.2	0.00047	0.0013	0.00041	0.19	0.000094	0.024	0.76	0.13	0.0000068
	January	2027	0.069	0.26	0.00078	**0.000065**	2.3	2.2	0.00047	0.0013	0.00041	0.19	0.000094	0.024	0.76	0.13	0.0000068
	February		0.068	0.26	0.00078	**0.000065**	2.3	2.2	0.00047	0.0013	0.00041	0.18	0.000093	0.023	0.75	0.13	0.0000068
	March		0.062	0.24	0.00071	**0.000059**	2.1	2.0	0.00042	0.0011	0.00036	0.16	0.000084	0.021	0.67	0.12	0.0000062
	April		0.051	0.20	0.00058	0.000048	1.6	1.6	0.00034	0.00095	0.00029	0.12	0.000067	0.016	0.52	0.095	0.0000050
	May		0.056	0.21	0.00063	**0.000053**	1.7	1.7	0.00036	0.0010	0.00031	0.13	0.000072	0.017	0.55	0.10	0.0000054
	June		0.067	0.26	0.00076	**0.000063**	2.0	2.1	0.00042	0.0012	0.00036	0.15	0.000084	0.020	0.64	0.12	0.0000064
	July		0.065	0.25	0.00074	**0.000062**	1.8	2.0	0.00040	0.0012	0.00034	0.13	0.000081	0.019	0.59	0.12	0.0000062
	August		0.076	0.29	0.00086	**0.000072**	2.1	2.3	0.00046	0.0014	0.00039	0.14	0.000092	0.022	0.66	0.14	0.0000071
	September		0.095	0.36	0.0011	**0.000090**	2.6	2.9	0.00057	0.0018	0.00048	0.18	0.00011	0.027	0.81	0.17	0.0000089
	October		0.095	0.36	0.0011	**0.000090**	2.5	2.9	0.00057	0.0018	0.00048	0.17	0.00011	0.027	0.80	0.17	0.0000089
	November		0.084	0.32	0.00095	**0.000079**	2.2	2.5	0.00050	0.0016	0.00042	0.15	0.000100	0.023	0.70	0.15	0.0000078
	December		0.083	0.32	0.00094	**0.000078**	2.2	2.5	0.00049	0.0015	0.00042	0.15	0.000098	0.023	0.69	0.15	0.0000077
	January	2028	0.083	0.32	0.00094	**0.000078**	2.2	2.5	0.00049	0.0015	0.00042	0.15	0.000098	0.023	0.69	0.15	0.0000077
	February		0.083	0.32	0.00094	**0.000078**	2.2	2.5	0.00049	0.0015	0.00042	0.15	0.000098	0.023	0.69	0.15	0.0000077
	March		0.083	0.32	0.00094	**0.000078**	2.2	2.5	0.00049	0.0015	0.00042	0.15	0.000098	0.023	0.69	0.15	0.0000077
	April		0.073	0.28	0.00083	**0.000069**	1.9	2.2	0.00043	0.0014	0.00037	0.13	0.000087	0.020	0.61	0.13	0.0000068
	May		0.061	0.23	0.00070	**0.000058**	1.6	1.8	0.00036	0.0011	0.00030	0.10	0.000071	0.016	0.49	0.11	0.0000057
	June		0.074	0.28	0.00084	**0.000069**	1.9	2.2	0.00043	0.0014	0.00036	0.12	0.000085	0.020	0.59	0.13	0.0000068
	July		0.082	0.31	0.00093	**0.000078**	2.1	2.5	0.00047	0.0015	0.00040	0.13	0.000095	0.022	0.65	0.15	0.0000076
	August		0.081	0.31	0.00092	**0.000077**	2.0	2.4	0.00047	0.0015	0.00039	0.13	0.000093	0.021	0.63	0.15	0.0000075
	September		0.084	0.32	0.00095	**0.000079**	2.0	2.5	0.00048	0.0016	0.00040	0.13	0.000095	0.022	0.64	0.15	0.0000077
	October		0.091	0.35	0.0010	**0.000086**	2.2	2.7	0.00052	0.0017	0.00044	0.14	0.00010	0.024	0.70	0.16	0.0000084
	November		0.091	0.35	0.0010	**0.000086**	2.2	2.7	0.00052	0.0017	0.00044	0.14	0.00010	0.023	0.70	0.16	0.0000084
	December		0.091	0.35	0.0010	**0.000086**	2.2	2.7	0.00052	0.0017	0.00044	0.14	0.00010	0.023	0.70	0.16	0.0000084
		MINIMUM	0.010	0.054	0.00013	0.0000100	1.6	0.96	0.00034	0.00010	0.00029	0.10	0.000067	0.016	0.49	0.055	0.0000036
		MAXIMUM	0.095	0.36	0.0011	**0.000090**	4.0	2.9	0.00057	0.0018	0.00052	**0.46**	0.00011	0.037	1.4	0.17	0.0000089
		AVERAGE	0.060	0.23	0.00069	**0.000057**	2.5	2.0	0.00046	0.0011	0.00041	0.21	0.000092	0.024	0.81	0.12	0.0000063
Operations	January	2029	0.091	0.35	0.0010	**0.000086**	2.2	2.7	0.00052	0.0017	0.00044	0.14	0.00010	0.023	0.70	0.16	0.0000084
	February		0.091	0.35	0.0010	**0.000086**	2.2	2.7	0.00052	0.0017	0.00044	0.14	0.00010	0.023	0.70	0.16	0.0000084
	March		0.089	0.34	0.0010	**0.000084**	2.2	2.7	0.00051	0.0017	0.00042	0.14	0.00010	0.023	0.68	0.16	0.0000081
	April		0.070	0.26	0.00079	**0.000066**	1.7	2.1	0.00039	0.0013	0.00033	0.11	0.000079	0.018	0.53	0.12	0.0000064
	May		0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00039	0.0013	0.00032	0.10	0.000078	0.017	0.52	0.12	0.0000063
	June		0.072	0.27	0.00081	**0.000068**	1.7	2.1	0.00040	0.0013	0.00034	0.11	0.000081	0.018	0.53	0.13	0.0000065
	July		0.086	0.33	0.00098	**0.000082**	2.0	2.6	0.00049	0.0016	0.00041	0.13	0.000097	0.022	0.64	0.15	0.0000079
	August		0.097	0.37	0.0011	**0.000092**	2.3	2.9	0.00054	0.0018	0.00045	0.14	0.00011	0.024	0.71	0.17	0.0000088
	September		0.091	0.35	0.0010	**0.000086**	2.1	2.7	0.00051	0.0017	0.00042	0.13	0.00010	0.023	0.67	0.16	0.0000083
	October		0.092	0.35	0.0010	**0.000087**	2.2	2.7	0.00051	0.0017	0.00043	0.13	0.00010	0.023	0.67	0.16	0.0000084
	November		0.089	0.34	0.0010	**0.000084**	2.1	2.6	0.00050	0.0017	0.00041	0.13	0.000099	0.022	0.65	0.16	0.0000081
	December		0.089	0.34	0.0010	**0.000084**	2.1	2.6	0.00049	0.0017	0.00041	0.13	0.000099	0.022	0.65	0.16	0.0000081

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.020	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.023	0.0100	0.00010	1.5	0.032	1.7	0.0100	0.00010	0.00050	0.0030
	March		0.000100	0.00050	0.50	**0.050**	0.025	0.0099	0.000100	1.5	0.032	1.7	0.0100	0.000100	0.00050	0.0030
	April		0.000091	0.00053	0.41	**0.041**	0.022	0.0083	0.000086	1.3	0.027	1.6	0.0086	0.000086	0.00042	0.0028
	May		0.000088	0.00062	0.34	**0.034**	0.020	0.0072	0.000077	1.1	0.024	1.6	0.0077	0.000077	0.00038	0.0028
	June		0.00011	0.00083	0.38	**0.037**	0.023	0.0083	0.000091	1.3	0.027	1.9	0.0091	0.000091	0.00044	0.0035
	July		0.00013	0.0011	0.39	**0.037**	0.024	0.0087	0.00010	1.3	0.029	2.3	0.010	0.00010	0.00048	0.0042
	August		0.00015	0.0013	0.40	**0.038**	0.026	0.0092	0.00011	1.4	0.031	2.7	0.011	0.00011	0.00052	0.0048
	September		0.00014	0.0013	0.34	**0.032**	0.023	0.0081	0.00010	1.3	0.027	2.6	0.010	0.00010	0.00046	0.0046
	October		0.00013	0.0013	0.29	**0.027**	0.021	0.0071	0.000090	1.1	0.024	2.4	0.0090	0.000090	0.00041	0.0042
	November		0.00012	0.0012	0.25	**0.023**	0.019	0.0062	0.000081	0.99	0.021	2.2	0.0081	0.000081	0.00037	0.0039
	December		0.00011	0.0011	0.25	**0.023**	0.019	0.0061	0.000079	0.97	0.021	2.1	0.0079	0.000079	0.00036	0.0038
	January	**2026**	0.00011	0.0011	0.24	**0.022**	0.019	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00036	0.0038
	February		0.00011	0.0011	0.24	**0.022**	0.020	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00036	0.0038
	March		0.00011	0.0011	0.24	**0.022**	0.020	0.0060	0.000078	0.96	0.021	2.1	0.0078	0.000078	0.00035	0.0038
	April		0.00010	0.0011	0.20	**0.018**	0.017	0.0051	0.000068	0.82	0.018	1.9	0.0068	0.000068	0.00031	0.0034
	May		0.00014	0.0014	0.26	**0.024**	0.022	0.0068	0.000091	1.1	0.024	2.6	0.0091	0.000091	0.00041	0.0046
	June		0.00015	0.0016	0.27	**0.024**	0.023	0.0070	0.000097	1.1	0.025	2.8	0.0097	0.000097	0.00043	0.0051
	July		0.00017	0.0018	0.27	**0.024**	0.023	0.0074	0.00010	1.2	0.026	3.1	0.010	0.00010	0.00046	0.0056
	August		0.00015	0.0017	0.23	**0.020**	0.020	0.0066	0.000095	1.1	0.023	2.9	0.0095	0.000095	0.00042	0.0052
	September		0.00015	0.0017	0.22	**0.018**	0.019	0.0063	0.000092	1.0	0.022	2.9	0.0092	0.000092	0.00040	0.0052
	October		0.00015	0.0017	0.21	**0.018**	0.019	0.0062	0.000092	1.0	0.022	2.9	0.0092	0.000092	0.00040	0.0052
	November		0.00016	0.0018	0.22	**0.018**	0.020	0.0063	0.000094	1.0	0.023	3.0	0.0094	0.000094	0.00041	0.0053
	December		0.00016	0.0018	0.22	**0.018**	0.020	0.0063	0.000094	1.0	0.023	3.0	0.0094	0.000094	0.00041	0.0053
	January	**2027**	0.00016	0.0018	0.22	**0.018**	0.021	0.0063	0.000094	1.0	0.023	3.0	0.0094	0.000094	0.00041	0.0053
	February		0.00016	0.0018	0.22	**0.018**	0.021	0.0063	0.000093	1.0	0.023	2.9	0.0093	0.000093	0.00041	0.0053
	March		0.00014	0.0016	0.19	**0.016**	0.019	0.0056	0.000084	0.92	0.020	2.7	0.0084	0.000084	0.00036	0.0048
	April		0.00011	0.0013	0.15	**0.012**	0.014	0.0044	0.000067	0.73	0.016	2.2	0.0067	0.000067	0.00029	0.0039
	May		0.00012	0.0014	0.15	**0.012**	0.015	0.0047	0.000072	0.77	0.017	2.3	0.0072	0.000072	0.00031	0.0042
	June		0.00015	0.0017	0.17	**0.014**	0.017	0.0054	0.000084	0.90	0.020	2.8	0.0084	0.000084	0.00036	0.0050
	July		0.00014	0.0017	0.16	**0.012**	0.015	0.0051	0.000081	0.85	0.019	2.7	0.0081	0.000081	0.00034	0.0048
	August		0.00016	0.0019	0.17	**0.013**	0.016	0.0057	0.000092	0.96	0.021	3.1	0.0092	0.000092	0.00039	0.0055
	September		0.00020	0.0024	0.21	**0.016**	0.020	0.0071	0.00011	1.2	0.026	3.9	0.011	0.00011	0.00048	0.0069
	October		0.00020	0.0024	0.21	**0.016**	0.021	0.0070	0.00011	1.2	0.026	3.8	0.011	0.00011	0.00048	0.0069
	November		0.00018	0.0021	0.18	**0.014**	0.019	0.0061	0.000100	1.0	0.023	3.4	0.0100	0.000100	0.00042	0.0061
	December		0.00017	0.0021	0.18	**0.014**	0.019	0.0060	0.000098	1.0	0.022	3.3	0.0098	0.000098	0.00042	0.0060
	January	**2028**	0.00017	0.0021	0.18	**0.014**	0.020	0.0060	0.000098	1.0	0.022	3.3	0.0098	0.000098	0.00042	0.0060
	February		0.00017	0.0021	0.18	**0.014**	0.020	0.0060	0.000098	1.0	0.022	3.3	0.0098	0.000098	0.00042	0.0060
	March		0.00017	0.0021	0.18	**0.014**	0.021	0.0060	0.000098	1.0	0.022	3.3	0.0098	0.000098	0.00042	0.0060
	April		0.00015	0.0018	0.16	**0.012**	0.018	0.0053	0.000087	0.90	0.020	2.9	0.0087	0.000087	0.00037	0.0053
	May		0.00013	0.0015	0.13	0.0094	0.014	0.0043	0.000071	0.73	0.016	2.5	0.0071	0.000071	0.00030	0.0044
	June		0.00015	0.0018	0.15	**0.011**	0.016	0.0052	0.000085	0.88	0.019	2.9	0.0085	0.000085	0.00036	0.0053
	July		0.00017	0.0021	0.16	**0.012**	0.017	0.0057	0.000095	0.97	0.021	3.3	0.0095	0.000095	0.00040	0.0059
	August		0.00017	0.0020	0.16	**0.012**	0.016	0.0056	0.000093	0.95	0.021	3.2	0.0093	0.000093	0.00039	0.0058
	September		0.00017	0.0021	0.16	**0.012**	0.017	0.0057	0.000095	0.97	0.021	3.3	0.0095	0.000095	0.00040	0.0059
	October		0.00019	0.0023	0.17	**0.013**	0.019	0.0062	0.00010	1.1	0.023	3.6	0.010	0.00010	0.00044	0.0065
	November		0.00019	0.0023	0.17	**0.013**	0.019	0.0062	0.00010	1.1	0.023	3.6	0.010	0.00010	0.00044	0.0065
	December		0.00019	0.0023	0.17	**0.013**	0.020	0.0062	0.00010	1.1	0.023	3.6	0.010	0.00010	0.00044	0.0065
		MINIMUM	0.000088	0.00050	0.13	0.0094	0.014	0.0043	0.000067	0.73	0.016	1.6	0.0067	0.000067	0.00029	0.0028
		MAXIMUM	0.00020	0.0024	0.50	**0.050**	0.026	0.0100	0.00011	1.5	0.032	3.9	0.011	0.00011	0.00052	0.0069
		AVERAGE	0.00014	0.0016	0.24	**0.021**	0.020	0.0065	0.000092	1.1	0.023	2.7	0.0092	0.000092	0.00041	0.0049
Operations	**January**	**2029**	0.00019	0.0023	0.17	**0.013**	0.021	0.0062	0.00010	1.1	0.023	3.6	0.010	0.00010	0.00044	0.0065
	February		0.00019	0.0023	0.17	**0.013**	0.021	0.0062	0.00010	1.1	0.023	3.6	0.010	0.00010	0.00044	0.0065
	March		0.00018	0.0022	0.17	**0.012**	0.021	0.0060	0.00010	1.0	0.023	3.5	0.010	0.00010	0.00042	0.0063
	April		0.00014	0.0017	0.13	0.0094	0.015	0.0047	0.000079	0.80	0.018	2.8	0.0079	0.000079	0.00033	0.0049
	May		0.00014	0.0017	0.13	0.0092	0.015	0.0046	0.000078	0.78	0.017	2.7	0.0078	0.000078	0.00032	0.0049
	June		0.00015	0.0018	0.13	0.0094	0.015	0.0048	0.000081	0.81	0.018	2.8	0.0081	0.000081	0.00034	0.0051
	July		0.00018	0.0022	0.16	**0.011**	0.018	0.0057	0.000097	0.98	0.022	3.4	0.0097	0.000097	0.00041	0.0061
	August		0.00020	0.0024	0.18	**0.012**	0.019	0.0064	0.00011	1.1	0.024	3.8	0.011	0.00011	0.00045	0.0068
	September		0.00019	0.0023	0.16	**0.012**	0.018	0.0060	0.00010	1.0	0.022	3.6	0.010	0.00010	0.00042	0.0064
	October		0.00019	0.0023	0.17	**0.012**	0.018	0.0060	0.00010	1.0	0.023	3.6	0.010	0.00010	0.00043	0.0065
	November		0.00018	0.0022	0.16	**0.011**	0.018	0.0058	0.000099	1.00	0.022	3.5	0.0099	0.000099	0.00041	0.0063
	December		0.00018	0.0022	0.16	**0.011**	0.019	0.0058	0.000099	0.99	0.022	3.5	0.0099	0.000099	0.00041	0.0062

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	January	2030	0.089	0.34	0.0010	**0.000084**	2.1	2.6	0.00049	0.0017	0.00041	0.13	0.000099	0.022	0.65	0.16	0.0000081
	February		0.087	0.33	0.00099	**0.000082**	2.0	2.6	0.00049	0.0016	0.00041	0.13	0.000097	0.022	0.64	0.15	0.0000079
	March		0.082	0.31	0.00093	**0.000078**	1.9	2.4	0.00046	0.0015	0.00038	0.12	0.000092	0.020	0.60	0.15	0.0000075
	April		0.068	0.26	0.00077	**0.000064**	1.6	2.0	0.00038	0.0013	0.00031	0.096	0.000075	0.017	0.49	0.12	0.0000061
	May		0.072	0.27	0.00082	**0.000068**	1.7	2.1	0.00040	0.0013	0.00033	0.10	0.000080	0.018	0.52	0.13	0.0000065
	June		0.064	0.24	0.00073	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.090	0.000071	0.016	0.46	0.11	0.0000058
	July		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00034	0.0011	0.00028	0.084	0.000067	0.015	0.43	0.11	0.0000055
	August		0.066	0.25	0.00075	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.091	0.000073	0.016	0.47	0.12	0.0000060
	September		0.060	0.23	0.00068	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.083	0.000067	0.015	0.43	0.11	0.0000055
	October		0.060	0.23	0.00068	**0.000056**	1.4	1.8	0.00033	0.0011	0.00027	0.081	0.000066	0.015	0.42	0.11	0.0000054
	November		0.055	0.21	0.00062	**0.000052**	1.3	1.6	0.00030	0.0010	0.00025	0.075	0.000061	0.013	0.39	0.097	0.0000050
	December		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000059	0.013	0.38	0.095	0.0000049
	January	2031	0.052	0.20	0.00059	0.000049	1.2	1.5	0.00029	0.00097	0.00024	0.071	0.000057	0.013	0.37	0.092	0.0000047
	February		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00028	0.00097	0.00024	0.070	0.000057	0.013	0.37	0.091	0.0000047
	March		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00095	0.00023	0.069	0.000056	0.012	0.36	0.090	0.0000046
	April		0.043	0.16	0.00049	0.000041	0.98	1.3	0.00024	0.00081	0.00020	0.058	0.000047	0.011	0.30	0.076	0.0000039
	May		0.045	0.17	0.00051	0.000042	1.0	1.3	0.00025	0.00084	0.00020	0.061	0.000049	0.011	0.32	0.079	0.0000040
	June		0.056	0.21	0.00063	**0.000053**	1.3	1.6	0.00031	0.0010	0.00026	0.075	0.000061	0.014	0.39	0.099	0.0000050
	July		0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00038	0.0013	0.00031	0.093	0.000076	0.017	0.48	0.12	0.0000062
	August		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	September		0.079	0.30	0.00089	**0.000074**	1.8	2.3	0.00043	0.0015	0.00036	0.11	0.000086	0.019	0.55	0.14	0.0000071
	October		0.073	0.28	0.00083	**0.000069**	1.7	2.2	0.00040	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000066
	November		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.092	0.000075	0.017	0.48	0.12	0.0000062
	December		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000075	0.017	0.48	0.12	0.0000061
	January	2032	0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000073	0.016	0.47	0.12	0.0000060
	February		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000073	0.016	0.47	0.12	0.0000060
	March		0.058	0.22	0.00065	**0.000054**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000063	0.014	0.41	0.10	0.0000052
	April		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.34	0.084	0.0000043
	May		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000056	0.012	0.36	0.090	0.0000046
	June		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0011	0.00028	0.082	0.000067	0.015	0.43	0.11	0.0000055
	July		0.060	0.23	0.00068	**0.000057**	1.4	1.8	0.00033	0.0011	0.00027	0.081	0.000066	0.015	0.42	0.11	0.0000054
	August		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000069	0.015	0.44	0.11	0.0000057
	September		0.070	0.27	0.00080	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000064
	October		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00040	0.0014	0.00033	0.097	0.000079	0.018	0.51	0.13	0.0000065
	November		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	December		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	January	2033	0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	February		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	March		0.071	0.27	0.00080	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000077	0.017	0.49	0.12	0.0000064
	April		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	May		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	June		0.064	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000070	0.015	0.45	0.11	0.0000057
	July		0.077	0.29	0.00087	**0.000072**	1.7	2.3	0.00042	0.0014	0.00035	0.10	0.000084	0.019	0.54	0.14	0.0000069
	August		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000074
	September		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	October		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	November		0.072	0.27	0.00081	**0.000068**	1.6	2.1	0.00039	0.0013	0.00033	0.096	0.000078	0.017	0.50	0.13	0.0000065
	December		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	January	2034	0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.095	0.000078	0.017	0.50	0.13	0.0000064
	February		0.071	0.27	0.00080	**0.000067**	1.6	2.1	0.00039	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000064
	March		0.066	0.25	0.00075	**0.000063**	1.5	2.0	0.00036	0.0012	0.00030	0.089	0.000073	0.016	0.46	0.12	0.0000060
	April		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000060	0.013	0.38	0.096	0.0000049
	May		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	June		0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00086	0.00021	0.062	0.000051	0.011	0.32	0.081	0.0000042
	July		0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	August		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	September		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	October		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.070	0.000058	0.013	0.37	0.093	0.0000048
	November		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00028	0.00097	0.00024	0.069	0.000057	0.013	0.36	0.092	0.0000047
	December		0.050	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.067	0.000055	0.012	0.35	0.088	0.0000045
	January	2035	0.049	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000054	0.012	0.35	0.087	0.0000045
	February		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	March		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2030	0.00018	0.0022	0.16	**0.011**	0.019	0.0058	0.000099	0.99	0.022	3.5	0.0099	0.000099	0.00041	0.0062
	February		0.00018	0.0022	0.16	**0.011**	0.019	0.0057	0.000097	0.97	0.021	3.4	0.0097	0.000097	0.00041	0.0061
	March		0.00017	0.0021	0.15	**0.010**	0.018	0.0054	0.000092	0.92	0.020	3.2	0.0092	0.000092	0.00038	0.0058
	April		0.00014	0.0017	0.12	0.0084	0.014	0.0044	0.000075	0.75	0.017	2.7	0.0075	0.000075	0.00031	0.0048
	May		0.00015	0.0018	0.13	0.0088	0.015	0.0047	0.000080	0.80	0.018	2.8	0.0080	0.000080	0.00033	0.0051
	June		0.00013	0.0016	0.11	0.0078	0.012	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0045
	July		0.00012	0.0015	0.11	0.0073	0.011	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	August		0.00013	0.0017	0.11	0.0079	0.011	0.0043	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	September		0.00012	0.0015	0.10	0.0071	0.0099	0.0039	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0042
	October		0.00012	0.0015	0.10	0.0070	0.0100	0.0038	0.000066	0.65	0.014	2.3	0.0066	0.000066	0.00027	0.0042
	November		0.00011	0.0014	0.094	0.0065	0.0096	0.0035	0.000061	0.60	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	December		0.00011	0.0013	0.092	0.0063	0.0099	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	January	2031	0.00011	0.0013	0.089	0.0061	0.0099	0.0033	0.000057	0.57	0.013	2.0	0.0057	0.000057	0.00024	0.0036
	February		0.00010	0.0013	0.088	0.0061	0.010	0.0033	0.000057	0.57	0.012	2.0	0.0057	0.000057	0.00024	0.0036
	March		0.00010	0.0013	0.087	0.0060	0.010	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	April		0.000087	0.0011	0.073	0.0050	0.0082	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	May		0.000091	0.0011	0.076	0.0052	0.0079	0.0028	0.000049	0.49	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	June		0.00011	0.0014	0.095	0.0065	0.0098	0.0036	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00026	0.0039
	July		0.00014	0.0017	0.12	0.0080	0.012	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00031	0.0048
	August		0.00016	0.0020	0.14	0.0094	0.014	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	September		0.00016	0.0020	0.13	0.0091	0.013	0.0050	0.000086	0.86	0.019	3.1	0.0086	0.000086	0.00036	0.0055
	October		0.00015	0.0018	0.12	0.0085	0.013	0.0047	0.000081	0.80	0.018	2.9	0.0081	0.000081	0.00034	0.0051
	November		0.00014	0.0017	0.12	0.0079	0.012	0.0043	0.000075	0.74	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	December		0.00014	0.0017	0.11	0.0079	0.013	0.0043	0.000075	0.74	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	January	2032	0.00014	0.0017	0.11	0.0077	0.013	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00031	0.0047
	February		0.00014	0.0017	0.11	0.0077	0.014	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00031	0.0047
	March		0.00012	0.0014	0.098	0.0067	0.012	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	April		0.000097	0.0012	0.081	0.0055	0.0089	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	May		0.00010	0.0013	0.086	0.0059	0.0093	0.0032	0.000056	0.55	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	June		0.00012	0.0015	0.10	0.0071	0.011	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	July		0.00012	0.0015	0.10	0.0069	0.010	0.0038	0.000066	0.65	0.014	2.3	0.0066	0.000066	0.00027	0.0042
Operations	August		0.00013	0.0016	0.11	0.0073	0.011	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	September		0.00014	0.0018	0.12	0.0081	0.012	0.0045	0.000077	0.77	0.017	2.8	0.0077	0.000077	0.00032	0.0049
	October		0.00015	0.0018	0.12	0.0083	0.013	0.0046	0.000079	0.79	0.017	2.8	0.0079	0.000079	0.00033	0.0051
	November		0.00014	0.0018	0.12	0.0082	0.013	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	December		0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	January	2033	0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	February		0.00014	0.0018	0.12	0.0082	0.015	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	March		0.00014	0.0018	0.12	0.0081	0.015	0.0045	0.000077	0.77	0.017	2.8	0.0077	0.000077	0.00032	0.0049
	April		0.00011	0.0013	0.091	0.0062	0.011	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	May		0.00011	0.0014	0.095	0.0065	0.010	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	June		0.00013	0.0016	0.11	0.0073	0.011	0.0040	0.000070	0.69	0.015	2.5	0.0070	0.000070	0.00029	0.0044
	July		0.00016	0.0019	0.13	0.0088	0.014	0.0049	0.000084	0.84	0.018	3.0	0.0084	0.000084	0.00035	0.0054
	August		0.00016	0.0020	0.14	0.0094	0.014	0.0052	0.000089	0.89	0.020	3.2	0.0089	0.000089	0.00037	0.0057
	September		0.00017	0.0020	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	October		0.00016	0.0020	0.14	0.0093	0.015	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	November		0.00014	0.0018	0.12	0.0082	0.013	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00033	0.0050
	December		0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	January	2034	0.00014	0.0018	0.12	0.0082	0.014	0.0045	0.000078	0.77	0.017	2.8	0.0078	0.000078	0.00032	0.0050
	February		0.00014	0.0018	0.12	0.0081	0.015	0.0045	0.000077	0.77	0.017	2.8	0.0077	0.000077	0.00032	0.0049
	March		0.00013	0.0017	0.11	0.0076	0.014	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0046
	April		0.00011	0.0014	0.091	0.0062	0.011	0.0034	0.000060	0.59	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	May		0.00011	0.0014	0.093	0.0063	0.011	0.0035	0.000060	0.60	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	June		0.000093	0.0012	0.078	0.0053	0.0076	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	July		0.000088	0.0011	0.073	0.0050	0.0063	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0030
	August		0.000098	0.0012	0.082	0.0056	0.0069	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	September		0.000098	0.0012	0.081	0.0055	0.0069	0.0031	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	October		0.00011	0.0013	0.089	0.0061	0.0081	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	November		0.00011	0.0013	0.087	0.0060	0.0086	0.0033	0.000057	0.56	0.012	2.0	0.0057	0.000057	0.00024	0.0036
	December		0.00010	0.0012	0.084	0.0057	0.0087	0.0031	0.000055	0.54	0.012	1.9	0.0055	0.000055	0.00023	0.0035
	January	2035	0.00010	0.0012	0.083	0.0057	0.0091	0.0031	0.000054	0.54	0.012	1.9	0.0054	0.000054	0.00023	0.0035
	February		0.000098	0.0012	0.081	0.0055	0.0092	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	March		0.000098	0.0012	0.081	0.0055	0.0096	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.045	0.17	0.00051	0.000042	1.0	1.3	0.00024	0.00083	0.00020	0.060	0.000049	0.011	0.31	0.079	0.0000040
	May		0.043	0.16	0.00049	0.000041	0.97	1.3	0.00024	0.00080	0.00020	0.057	0.000047	0.010	0.30	0.076	0.0000039
	June		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	July		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.090	0.0000046
	August	**2035**	0.061	0.23	0.00069	**0.000058**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.43	0.11	0.0000055
	September		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	October		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000069	0.016	0.44	0.11	0.0000057
	November		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.43	0.11	0.0000056
	December		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.43	0.11	0.0000056
	January		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.43	0.11	0.0000056
	February		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.43	0.11	0.0000056
	March		0.060	0.23	0.00068	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.080	0.000065	0.014	0.42	0.11	0.0000054
	April		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	May		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	June		0.057	0.22	0.00064	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.10	0.0000051
	July	**2036**	0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.087	0.000071	0.016	0.45	0.11	0.0000058
	August		0.086	0.33	0.00097	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000094	0.021	0.60	0.15	0.0000077
	September		0.092	0.35	0.0010	**0.000087**	2.1	2.7	0.00050	0.0017	0.00042	0.12	0.00010	0.022	0.64	0.16	0.0000083
	October		0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000094	0.021	0.60	0.15	0.0000078
	November		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	December		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	January		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	February		0.076	0.29	0.00087	**0.000072**	1.7	2.3	0.00042	0.0014	0.00035	0.10	0.000084	0.018	0.53	0.13	0.0000069
	March		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00040	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000067
	April		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.10	0.0000051
	May		0.065	0.25	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	June		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000066	0.015	0.42	0.11	0.0000055
	July	**2037**	0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	August		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00039	0.0013	0.00033	0.096	0.000078	0.017	0.50	0.13	0.0000064
	September		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000074	0.017	0.48	0.12	0.0000061
	October		0.070	0.27	0.00080	**0.000066**	1.6	2.1	0.00039	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
Operations	**November**		0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	December		0.069	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	January		0.069	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	February		0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00038	0.0013	0.00031	0.092	0.000076	0.017	0.48	0.12	0.0000062
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.41	0.10	0.0000052
	April		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00026	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	May		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.012	0.36	0.091	0.0000046
	June		0.060	0.23	0.00068	**0.000057**	1.4	1.8	0.00033	0.0011	0.00027	0.080	0.000066	0.015	0.42	0.11	0.0000054
	July	**2038**	0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00038	0.0013	0.00031	0.092	0.000076	0.017	0.48	0.12	0.0000062
	August		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	September		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	October		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.091	0.000075	0.017	0.48	0.12	0.0000061
	November		0.065	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.46	0.12	0.0000059
	December		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.46	0.11	0.0000059
	January		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.46	0.11	0.0000059
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	March		0.056	0.21	0.00063	**0.000053**	1.3	1.6	0.00031	0.0010	0.00025	0.075	0.000061	0.014	0.39	0.098	0.0000050
	April		0.057	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.076	0.000062	0.014	0.40	0.100	0.0000051
	May		0.064	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000070	0.015	0.45	0.11	0.0000058
	June		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00044	0.0015	0.00037	0.11	0.000089	0.020	0.57	0.14	0.0000073
	July	**2039**	0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.57	0.14	0.0000074
	August		0.064	0.24	0.00073	**0.000061**	1.5	1.9	0.00035	0.0012	0.00029	0.086	0.000071	0.016	0.45	0.11	0.0000058
	September		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	October		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00034	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.41	0.10	0.0000052
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.41	0.10	0.0000052
	January		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.41	0.10	0.0000052
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.077	0.000063	0.014	0.41	0.10	0.0000052
	March		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	April	**2040**	0.042	0.16	0.00048	0.000040	0.95	1.2	0.00023	0.00079	0.00019	0.056	0.000046	0.010	0.29	0.074	0.0000038
	May		0.043	0.16	0.00049	0.000041	0.98	1.3	0.00024	0.00081	0.00020	0.058	0.000048	0.011	0.30	0.077	0.0000039
	June		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	April		0.000090	0.0011	0.075	0.0051	0.0087	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	May		0.000087	0.0011	0.072	0.0049	0.0077	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	June		0.000094	0.0012	0.078	0.0053	0.0078	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	July		0.00010	0.0013	0.086	0.0059	0.0082	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	August	2035	0.00012	0.0015	0.10	0.0070	0.0097	0.0039	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	September		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000071	0.70	0.016	2.5	0.0071	0.000071	0.00029	0.0045
	October		0.00013	0.0016	0.11	0.0073	0.011	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	November		0.00013	0.0015	0.10	0.0071	0.011	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	December		0.00013	0.0015	0.10	0.0071	0.012	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	January		0.00013	0.0015	0.10	0.0071	0.012	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	February		0.00013	0.0015	0.10	0.0071	0.013	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	March		0.00012	0.0015	0.10	0.0069	0.012	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
	April		0.000094	0.0012	0.078	0.0053	0.0087	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	May		0.000092	0.0011	0.077	0.0052	0.0080	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	June	2036	0.00012	0.0014	0.096	0.0065	0.0099	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	July		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000071	0.70	0.016	2.5	0.0071	0.000071	0.00029	0.0045
	August		0.00017	0.0021	0.14	0.0098	0.015	0.0054	0.000094	0.93	0.021	3.3	0.0094	0.000094	0.00039	0.0060
	September		0.00019	0.0023	0.15	**0.011**	0.016	0.0058	0.00010	1.0	0.022	3.6	0.010	0.00010	0.00042	0.0064
	October		0.00017	0.0021	0.14	0.0099	0.015	0.0054	0.000094	0.94	0.021	3.4	0.0094	0.000094	0.00039	0.0060
	November		0.00016	0.0020	0.14	0.0093	0.015	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	December		0.00016	0.0020	0.14	0.0093	0.016	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	January		0.00016	0.0020	0.14	0.0093	0.017	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	February		0.00015	0.0019	0.13	0.0088	0.016	0.0048	0.000084	0.83	0.018	3.0	0.0084	0.000084	0.00035	0.0053
	March		0.00015	0.0018	0.12	0.0085	0.016	0.0047	0.000081	0.80	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	April		0.00012	0.0014	0.096	0.0065	0.011	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	May		0.00013	0.0016	0.11	0.0074	0.012	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	June		0.00012	0.0015	0.10	0.0070	0.011	0.0038	0.000066	0.66	0.015	2.4	0.0066	0.000066	0.00028	0.0042
	July	2037	0.00011	0.0014	0.095	0.0065	0.0094	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	August		0.00014	0.0018	0.12	0.0082	0.012	0.0045	0.000078	0.78	0.017	2.8	0.0078	0.000078	0.00033	0.0050
	September		0.00014	0.0017	0.11	0.0078	0.011	0.0043	0.000074	0.74	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	October		0.00014	0.0018	0.12	0.0081	0.012	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
Operations	November		0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	December		0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	January		0.00014	0.0017	0.12	0.0080	0.014	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	February		0.00014	0.0017	0.12	0.0079	0.014	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00031	0.0048
	March		0.00012	0.0014	0.097	0.0066	0.012	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0041
	April		0.000094	0.0012	0.078	0.0053	0.0085	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	May		0.00010	0.0013	0.086	0.0059	0.0094	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	June		0.00012	0.0015	0.10	0.0069	0.011	0.0038	0.000066	0.65	0.014	2.3	0.0066	0.000066	0.00027	0.0042
	July	2038	0.00014	0.0017	0.12	0.0079	0.012	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00031	0.0048
	August		0.00017	0.0020	0.14	0.0094	0.014	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	September		0.00016	0.0020	0.14	0.0093	0.014	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	October		0.00014	0.0017	0.11	0.0078	0.012	0.0043	0.000075	0.74	0.016	2.7	0.0075	0.000075	0.00031	0.0048
	November		0.00013	0.0016	0.11	0.0075	0.012	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0046
	December		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0046
	January		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0046
	February		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	March		0.00011	0.0014	0.094	0.0064	0.011	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	April		0.00011	0.0014	0.095	0.0065	0.011	0.0036	0.000062	0.62	0.014	2.2	0.0062	0.000062	0.00026	0.0040
	May		0.00013	0.0016	0.11	0.0073	0.013	0.0040	0.000070	0.69	0.015	2.5	0.0070	0.000070	0.00029	0.0045
	June		0.00016	0.0020	0.14	0.0093	0.016	0.0051	0.000089	0.88	0.019	3.2	0.0089	0.000089	0.00037	0.0057
	July	2039	0.00017	0.0020	0.14	0.0094	0.016	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0057
	August		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000071	0.70	0.015	2.5	0.0071	0.000071	0.00029	0.0045
	September		0.00013	0.0017	0.11	0.0077	0.012	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	October		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00029	0.0044
	November		0.00012	0.0014	0.097	0.0066	0.011	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0041
	December		0.00012	0.0014	0.097	0.0066	0.011	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	January		0.00012	0.0014	0.097	0.0066	0.012	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	February		0.00012	0.0014	0.097	0.0066	0.012	0.0037	0.000063	0.63	0.014	2.3	0.0063	0.000063	0.00026	0.0040
	March	2040	0.000097	0.0012	0.080	0.0055	0.0093	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	April		0.000085	0.0010	0.071	0.0048	0.0077	0.0027	0.000046	0.46	0.010	1.6	0.0046	0.000046	0.00019	0.0029
	May		0.000088	0.0011	0.073	0.0050	0.0075	0.0027	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0030
	June		0.000094	0.0012	0.078	0.0053	0.0075	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000051	0.011	0.33	0.083	0.0000042
	August		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	September	**2040**	0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000077	0.017	0.49	0.12	0.0000063
	October		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	November		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	December		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	January		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	February		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	March		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000070	0.015	0.44	0.11	0.0000057
	April		0.052	0.20	0.00059	0.000049	1.2	1.5	0.00029	0.00097	0.00024	0.070	0.000057	0.013	0.36	0.092	0.0000047
	May		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000061	0.013	0.39	0.098	0.0000050
	June	**2041**	0.070	0.27	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.094	0.000077	0.017	0.49	0.12	0.0000063
	July		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00041	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000067
	August		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00027	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.088	0.0000045
	September		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	October		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	November		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	December		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	January		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	February		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	March		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	April		0.042	0.16	0.00047	0.000039	0.94	1.2	0.00023	0.00078	0.00019	0.056	0.000046	0.010	0.29	0.074	0.0000038
	May		0.043	0.16	0.00048	0.000040	0.96	1.3	0.00023	0.00080	0.00019	0.057	0.000047	0.010	0.30	0.075	0.0000038
	June		0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	July	**2042**	0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	August		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	September		0.047	0.18	0.00053	0.000044	1.1	1.4	0.00026	0.00088	0.00021	0.063	0.000052	0.012	0.33	0.083	0.0000042
	October		0.041	0.16	0.00047	0.000039	0.93	1.2	0.00023	0.00078	0.00019	0.055	0.000046	0.010	0.29	0.073	0.0000037
	November		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.072	0.0000037
	December		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.010	0.29	0.072	0.0000037
	January		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.0100	0.29	0.072	0.0000037
Operations	**February**		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.0100	0.29	0.072	0.0000037
	March		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.0100	0.29	0.072	0.0000037
	April		0.038	0.14	0.00043	0.000036	0.85	1.1	0.00021	0.00071	0.00017	0.050	0.000041	0.0092	0.26	0.067	0.0000034
	May		0.039	0.15	0.00045	0.000037	0.89	1.2	0.00022	0.00074	0.00018	0.053	0.000043	0.0096	0.28	0.069	0.0000035
	June	**2043**	0.042	0.16	0.00047	0.000039	0.94	1.2	0.00023	0.00078	0.00019	0.056	0.000046	0.010	0.29	0.074	0.0000038
	July		0.046	0.17	0.00052	0.000043	1.0	1.4	0.00025	0.00086	0.00021	0.061	0.000050	0.011	0.32	0.081	0.0000041
	August		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	September		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00076	0.00018	0.054	0.000044	0.0099	0.28	0.071	0.0000036
	October		0.037	0.14	0.00041	0.000034	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0090	0.26	0.064	0.0000033
	November		0.034	0.13	0.00039	0.000032	0.77	1.0	0.00019	0.00064	0.00015	0.045	0.000037	0.0084	0.24	0.060	0.0000031
	December		0.034	0.13	0.00038	0.000032	0.76	1.00	0.00019	0.00063	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	January		0.034	0.13	0.00038	0.000032	0.76	1.00	0.00019	0.00063	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	February		0.034	0.13	0.00038	0.000032	0.76	1.00	0.00019	0.00063	0.00015	0.045	0.000037	0.0083	0.24	0.060	0.0000031
	March		0.034	0.13	0.00038	0.000032	0.76	1.00	0.00018	0.00063	0.00015	0.045	0.000037	0.0082	0.24	0.060	0.0000030
	April		0.033	0.13	0.00037	0.000031	0.74	0.98	0.00018	0.00062	0.00015	0.044	0.000036	0.0081	0.23	0.058	0.0000030
	May		0.041	0.15	0.00046	0.000038	0.92	1.2	0.00022	0.00076	0.00019	0.054	0.000045	0.0100	0.28	0.072	0.0000037
	June		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.068	0.000056	0.013	0.36	0.090	0.0000046
	July	**2044**	0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.096	0.0000049
	August		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00040	0.0014	0.00033	0.097	0.000079	0.018	0.51	0.13	0.0000065
	September		0.087	0.33	0.00098	**0.000082**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000095	0.021	0.61	0.15	0.0000078
	October		0.089	0.34	0.0010	**0.000084**	2.0	2.6	0.00049	0.0017	0.00040	0.12	0.000097	0.022	0.62	0.16	0.0000080
	November		0.091	0.35	0.0010	**0.000086**	2.0	2.7	0.00050	0.0017	0.00041	0.12	0.000100	0.022	0.64	0.16	0.0000082
	December		0.090	0.34	0.0010	**0.000085**	2.0	2.7	0.00050	0.0017	0.00041	0.12	0.000099	0.022	0.63	0.16	0.0000082
	January		0.090	0.34	0.0010	**0.000085**	2.0	2.7	0.00049	0.0017	0.00041	0.12	0.000099	0.022	0.63	0.16	0.0000081
	February		0.090	0.34	0.0010	**0.000085**	2.0	2.7	0.00049	0.0017	0.00041	0.12	0.000099	0.022	0.63	0.16	0.0000081
	March		0.084	0.32	0.00096	**0.000080**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000093	0.020	0.59	0.15	0.0000076
	April		0.069	0.26	0.00079	**0.000065**	1.6	2.0	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000062
	May	**2045**	0.067	0.26	0.00076	**0.000063**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	June		0.069	0.26	0.00079	**0.000066**	1.6	2.1	0.00038	0.0013	0.00032	0.093	0.000076	0.017	0.49	0.12	0.0000063
	July		0.074	0.28	0.00084	**0.000070**	1.7	2.2	0.00041	0.0014	0.00034	0.099	0.000081	0.018	0.52	0.13	0.0000067
	August		0.082	0.31	0.00093	**0.000078**	1.9	2.4	0.00045	0.0015	0.00037	0.11	0.000090	0.020	0.58	0.15	0.0000074
	September		0.091	0.35	0.0010	**0.000086**	2.1	2.7	0.00050	0.0017	0.00041	0.12	0.000100	0.022	0.64	0.16	0.0000082

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	July		0.000095	0.0012	0.079	0.0054	0.0070	0.0030	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	August		0.00013	0.0016	0.11	0.0075	0.010	0.0042	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	September	**2040**	0.00014	0.0017	0.12	0.0080	0.011	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	October		0.00013	0.0016	0.11	0.0075	0.011	0.0042	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	November		0.00013	0.0016	0.11	0.0076	0.012	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	December		0.00013	0.0016	0.11	0.0076	0.012	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	January		0.00013	0.0016	0.11	0.0076	0.013	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	February		0.00013	0.0016	0.11	0.0076	0.013	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	March		0.00013	0.0016	0.11	0.0073	0.013	0.0040	0.000070	0.69	0.015	2.5	0.0070	0.000070	0.00029	0.0044
	April		0.00011	0.0013	0.088	0.0060	0.010	0.0033	0.000057	0.57	0.012	2.0	0.0057	0.000057	0.00024	0.0036
	May		0.00011	0.0014	0.093	0.0063	0.010	0.0035	0.000061	0.60	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	June	**2041**	0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000077	0.76	0.017	2.7	0.0077	0.000077	0.00032	0.0049
	July		0.00015	0.0019	0.12	0.0085	0.013	0.0047	0.000081	0.81	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	August		0.00010	0.0013	0.084	0.0058	0.0077	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	September		0.000097	0.0012	0.080	0.0055	0.0072	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	October		0.00010	0.0013	0.085	0.0058	0.0079	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	November		0.000099	0.0012	0.083	0.0056	0.0083	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	December		0.000099	0.0012	0.083	0.0056	0.0089	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	January		0.000099	0.0012	0.083	0.0056	0.0094	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	February		0.000099	0.0012	0.083	0.0056	0.0098	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	March		0.000097	0.0012	0.081	0.0055	0.0098	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	April		0.000084	0.0010	0.070	0.0048	0.0079	0.0026	0.000046	0.45	0.0100	1.6	0.0046	0.000046	0.00019	0.0029
	May		0.000086	0.0011	0.072	0.0049	0.0077	0.0027	0.000047	0.46	0.010	1.7	0.0047	0.000047	0.00019	0.0030
	June		0.000088	0.0011	0.073	0.0050	0.0073	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0030
	July	**2042**	0.000090	0.0011	0.075	0.0051	0.0066	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	August		0.000092	0.0011	0.077	0.0052	0.0065	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	September		0.000095	0.0012	0.079	0.0054	0.0068	0.0030	0.000052	0.51	0.011	1.8	0.0052	0.000052	0.00021	0.0033
	October		0.000084	0.0010	0.070	0.0048	0.0060	0.0026	0.000046	0.45	0.0099	1.6	0.0046	0.000046	0.00019	0.0029
	November		0.000083	0.0010	0.069	0.0047	0.0064	0.0026	0.000045	0.44	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	December		0.000083	0.0010	0.069	0.0047	0.0070	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	January		0.000083	0.0010	0.069	0.0047	0.0075	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
Operations	**February**		0.000083	0.0010	0.069	0.0047	0.0079	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	March		0.000083	0.0010	0.069	0.0047	0.0082	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	April		0.000076	0.00094	0.063	0.0043	0.0072	0.0024	0.000041	0.41	0.0090	1.5	0.0041	0.000041	0.00017	0.0026
	May		0.000080	0.00098	0.066	0.0045	0.0068	0.0025	0.000043	0.43	0.0094	1.5	0.0043	0.000043	0.00018	0.0028
	June	**2043**	0.000084	0.0010	0.070	0.0048	0.0067	0.0026	0.000046	0.45	0.0100	1.6	0.0046	0.000046	0.00019	0.0029
	July		0.000093	0.0011	0.077	0.0053	0.0070	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	August		0.000090	0.0011	0.074	0.0051	0.0063	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	September		0.000082	0.0010	0.068	0.0046	0.0055	0.0026	0.000044	0.44	0.0097	1.6	0.0044	0.000044	0.00018	0.0028
	October		0.000074	0.00091	0.061	0.0042	0.0050	0.0023	0.000040	0.40	0.0088	1.4	0.0040	0.000040	0.00017	0.0026
	November		0.000069	0.00085	0.057	0.0039	0.0049	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	December		0.000069	0.00085	0.057	0.0039	0.0054	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	January		0.000069	0.00084	0.057	0.0039	0.0058	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	February		0.000069	0.00084	0.057	0.0039	0.0062	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	March		0.000068	0.00084	0.057	0.0039	0.0065	0.0021	0.000037	0.37	0.0081	1.3	0.0037	0.000037	0.00015	0.0024
	April		0.000067	0.00082	0.056	0.0038	0.0056	0.0021	0.000036	0.36	0.0079	1.3	0.0036	0.000036	0.00015	0.0023
	May		0.000082	0.0010	0.068	0.0047	0.0068	0.0026	0.000045	0.44	0.0097	1.6	0.0045	0.000045	0.00019	0.0028
	June		0.00010	0.0013	0.086	0.0059	0.0086	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	July	**2044**	0.00011	0.0014	0.091	0.0062	0.0086	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	August		0.00015	0.0018	0.12	0.0083	0.012	0.0046	0.000079	0.79	0.017	2.8	0.0079	0.000079	0.00033	0.0051
	September		0.00018	0.0022	0.15	0.0100	0.014	0.0055	0.000095	0.94	0.021	3.4	0.0095	0.000095	0.00040	0.0061
	October		0.00018	0.0022	0.15	**0.010**	0.015	0.0056	0.000097	0.97	0.021	3.5	0.0097	0.000097	0.00040	0.0062
	November		0.00018	0.0023	0.15	**0.010**	0.017	0.0058	0.000100	0.99	0.022	3.5	0.0100	0.000100	0.00041	0.0064
	December		0.00018	0.0023	0.15	**0.010**	0.017	0.0057	0.000099	0.98	0.022	3.5	0.0099	0.000099	0.00041	0.0063
	January		0.00018	0.0023	0.15	**0.010**	0.018	0.0057	0.000099	0.98	0.022	3.5	0.0099	0.000099	0.00041	0.0063
	February		0.00018	0.0023	0.15	**0.010**	0.019	0.0057	0.000099	0.98	0.022	3.5	0.0099	0.000099	0.00041	0.0063
	March		0.00017	0.0021	0.14	0.0097	0.018	0.0053	0.000093	0.92	0.020	3.3	0.0093	0.000093	0.00038	0.0059
	April		0.00014	0.0017	0.12	0.0080	0.014	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00032	0.0048
	May	**2045**	0.00014	0.0017	0.11	0.0077	0.013	0.0043	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	June		0.00014	0.0017	0.12	0.0080	0.013	0.0044	0.000076	0.76	0.017	2.7	0.0076	0.000076	0.00032	0.0049
	July		0.00015	0.0018	0.12	0.0085	0.013	0.0047	0.000081	0.80	0.018	2.9	0.0081	0.000081	0.00034	0.0052
	August		0.00017	0.0021	0.14	0.0094	0.015	0.0052	0.000090	0.89	0.020	3.2	0.0090	0.000090	0.00037	0.0058
	September		0.00018	0.0023	0.15	**0.010**	0.016	0.0058	0.000100	0.99	0.022	3.6	0.0100	0.000100	0.00041	0.0064

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	October	2045	0.091	0.35	0.0010	**0.000086**	2.1	2.7	0.00050	0.0017	0.00041	0.12	0.000100	0.022	0.64	0.16	0.0000082
	November		0.088	0.34	0.0010	**0.000083**	2.0	2.6	0.00048	0.0017	0.00040	0.12	0.000097	0.021	0.62	0.16	0.0000080
	December		0.087	0.33	0.00099	**0.000082**	2.0	2.6	0.00048	0.0016	0.00040	0.12	0.000095	0.021	0.61	0.15	0.0000078
	January	2046	0.084	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.020	0.59	0.15	0.0000076
	February		0.084	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.020	0.59	0.15	0.0000076
	March		0.077	0.29	0.00087	**0.000072**	1.7	2.3	0.00042	0.0014	0.00035	0.10	0.000084	0.019	0.54	0.14	0.0000069
	April		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	May		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00037	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	June		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	July		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000070	0.015	0.44	0.11	0.0000057
	August		0.060	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000066	0.015	0.42	0.11	0.0000054
	September		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	October		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	November		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	December		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	January	2047	0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	February		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	April		0.042	0.16	0.00048	0.000040	0.95	1.2	0.00023	0.00079	0.00019	0.056	0.000046	0.010	0.30	0.075	0.0000038
	May		0.042	0.16	0.00048	0.000040	0.96	1.3	0.00023	0.00079	0.00019	0.057	0.000047	0.010	0.30	0.075	0.0000038
	June		0.052	0.20	0.00060	0.000050	1.2	1.5	0.00029	0.00098	0.00024	0.070	0.000058	0.013	0.37	0.093	0.0000047
	July		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	August		0.054	0.21	0.00061	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.096	0.0000049
	September		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	October		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0011	0.00028	0.082	0.000067	0.015	0.43	0.11	0.0000055
	November		0.060	0.23	0.00068	**0.000057**	1.4	1.8	0.00033	0.0011	0.00027	0.080	0.000066	0.015	0.42	0.11	0.0000054
	December		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.079	0.000065	0.014	0.41	0.10	0.0000053
	January	2048	0.059	0.22	0.00067	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	April		0.054	0.21	0.00061	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	May		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.37	0.094	0.0000048
	June		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	July		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000064	0.014	0.41	0.10	0.0000052
	August		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	September		0.046	0.17	0.00052	0.000043	1.0	1.4	0.00025	0.00086	0.00021	0.061	0.000050	0.011	0.32	0.081	0.0000041
	October		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000048	0.011	0.31	0.078	0.0000040
	November		0.044	0.17	0.00050	0.000041	0.99	1.3	0.00024	0.00082	0.00020	0.059	0.000048	0.011	0.31	0.077	0.0000040
	December		0.043	0.16	0.00049	0.000041	0.97	1.3	0.00024	0.00080	0.00020	0.057	0.000047	0.010	0.30	0.076	0.0000039
	January	2049	0.041	0.15	0.00046	0.000038	0.92	1.2	0.00022	0.00076	0.00019	0.054	0.000045	0.0099	0.29	0.072	0.0000037
	February		0.040	0.15	0.00046	0.000038	0.91	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0098	0.28	0.071	0.0000036
	March		0.039	0.15	0.00044	0.000037	0.88	1.1	0.00021	0.00073	0.00018	0.052	0.000043	0.0095	0.27	0.069	0.0000035
	April		0.037	0.14	0.00042	0.000035	0.84	1.1	0.00020	0.00070	0.00017	0.050	0.000041	0.0091	0.26	0.066	0.0000034
	May		0.041	0.16	0.00046	0.000039	0.92	1.2	0.00022	0.00077	0.00019	0.055	0.000045	0.0100	0.29	0.072	0.0000037
	June		0.044	0.17	0.00050	0.000042	0.99	1.3	0.00024	0.00082	0.00020	0.059	0.000048	0.011	0.31	0.078	0.0000040
	July		0.043	0.16	0.00049	0.000041	0.98	1.3	0.00024	0.00081	0.00020	0.058	0.000048	0.011	0.30	0.077	0.0000039
	August		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	September		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.90	1.2	0.00022	0.00074	0.00018	0.053	0.000044	0.0098	0.28	0.070	0.0000036
	November		0.036	0.14	0.00041	0.000034	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0089	0.25	0.064	0.0000033
	December		0.036	0.14	0.00041	0.000034	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0089	0.25	0.064	0.0000033
	January	2050	0.036	0.14	0.00041	0.000034	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0089	0.25	0.064	0.0000033
	February		0.036	0.14	0.00041	0.000034	0.82	1.1	0.00020	0.00068	0.00017	0.049	0.000040	0.0089	0.25	0.064	0.0000033
	March		0.036	0.14	0.00041	0.000034	0.81	1.1	0.00020	0.00067	0.00016	0.048	0.000039	0.0088	0.25	0.063	0.0000032
	April		0.033	0.13	0.00038	0.000031	0.75	0.98	0.00018	0.00062	0.00015	0.044	0.000036	0.0081	0.23	0.058	0.0000030
	May		0.035	0.13	0.00039	0.000033	0.78	1.0	0.00019	0.00065	0.00016	0.046	0.000038	0.0085	0.24	0.061	0.0000031
	June		0.038	0.14	0.00043	0.000036	0.85	1.1	0.00021	0.00071	0.00017	0.051	0.000042	0.0093	0.27	0.067	0.0000034
	July		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.38	0.095	0.0000049
	August		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.45	0.11	0.0000059
	September		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.084	0.000069	0.015	0.44	0.11	0.0000056
	October		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	November		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00032	0.0011	0.00027	0.079	0.000065	0.014	0.41	0.10	0.0000053
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000064	0.014	0.41	0.10	0.0000052

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	October	2045	0.00018	0.0023	0.15	**0.010**	0.017	0.0058	0.000100	0.99	0.022	3.6	0.0100	0.000100	0.00041	0.0064
	November		0.00018	0.0022	0.15	**0.010**	0.017	0.0056	0.000097	0.96	0.021	3.4	0.0097	0.000097	0.00040	0.0062
	December		0.00018	0.0022	0.15	0.0100	0.017	0.0055	0.000095	0.94	0.021	3.4	0.0095	0.000095	0.00040	0.0061
	January	2046	0.00017	0.0021	0.14	0.0096	0.017	0.0053	0.000092	0.91	0.020	3.3	0.0092	0.000092	0.00038	0.0059
	February		0.00017	0.0021	0.14	0.0096	0.018	0.0053	0.000092	0.91	0.020	3.3	0.0092	0.000092	0.00038	0.0059
	March		0.00016	0.0019	0.13	0.0088	0.016	0.0049	0.000084	0.83	0.018	3.0	0.0084	0.000084	0.00035	0.0054
	April		0.00013	0.0017	0.11	0.0077	0.014	0.0042	0.000073	0.73	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	May		0.00013	0.0017	0.11	0.0076	0.013	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	June		0.00013	0.0016	0.11	0.0076	0.013	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	July		0.00013	0.0016	0.11	0.0073	0.011	0.0040	0.000070	0.69	0.015	2.5	0.0070	0.000070	0.00029	0.0044
	August		0.00012	0.0015	0.10	0.0069	0.010	0.0038	0.000066	0.66	0.014	2.4	0.0066	0.000066	0.00028	0.0042
	September		0.00011	0.0014	0.093	0.0063	0.0090	0.0035	0.000060	0.60	0.013	2.1	0.0060	0.000060	0.00025	0.0039
	October		0.00010	0.0013	0.084	0.0058	0.0082	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	November		0.000096	0.0012	0.080	0.0055	0.0080	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	December		0.000096	0.0012	0.080	0.0054	0.0085	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	January	2047	0.000096	0.0012	0.080	0.0054	0.0090	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	February		0.000096	0.0012	0.080	0.0054	0.0094	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	March		0.000094	0.0012	0.078	0.0053	0.0094	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	April		0.000086	0.0011	0.071	0.0049	0.0082	0.0027	0.000046	0.46	0.010	1.6	0.0046	0.000046	0.00019	0.0030
	May		0.000086	0.0011	0.071	0.0049	0.0075	0.0027	0.000047	0.46	0.010	1.7	0.0047	0.000047	0.00019	0.0030
	June		0.00011	0.0013	0.088	0.0060	0.0091	0.0033	0.000058	0.57	0.013	2.0	0.0058	0.000058	0.00024	0.0037
	July		0.00011	0.0014	0.093	0.0063	0.0089	0.0035	0.000060	0.60	0.013	2.2	0.0060	0.000060	0.00025	0.0039
	August		0.00011	0.0014	0.091	0.0062	0.0083	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	September		0.00012	0.0015	0.098	0.0067	0.0091	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	October		0.00012	0.0015	0.10	0.0071	0.010	0.0039	0.000067	0.67	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	November		0.00012	0.0015	0.10	0.0069	0.010	0.0038	0.000066	0.65	0.014	2.3	0.0066	0.000066	0.00027	0.0042
	December		0.00012	0.0015	0.100	0.0068	0.011	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
	January	2048	0.00012	0.0015	0.099	0.0067	0.011	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	February		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.64	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	March		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	April		0.00011	0.0013	0.091	0.0062	0.011	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
Operations	May		0.00011	0.0013	0.090	0.0061	0.011	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	June		0.00013	0.0016	0.11	0.0075	0.013	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	July		0.00012	0.0014	0.098	0.0067	0.010	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00026	0.0041
	August		0.000097	0.0012	0.080	0.0055	0.0074	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	September		0.000093	0.0011	0.077	0.0053	0.0069	0.0029	0.000050	0.50	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	October		0.000089	0.0011	0.074	0.0051	0.0069	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	November		0.000089	0.0011	0.074	0.0050	0.0074	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	December		0.000087	0.0011	0.072	0.0049	0.0076	0.0027	0.000047	0.47	0.010	1.7	0.0047	0.000047	0.00020	0.0030
	January	2049	0.000082	0.0010	0.069	0.0047	0.0074	0.0026	0.000045	0.44	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	February		0.000081	0.0010	0.068	0.0046	0.0076	0.0025	0.000044	0.44	0.0096	1.6	0.0044	0.000044	0.00018	0.0028
	March		0.000079	0.00097	0.065	0.0045	0.0075	0.0025	0.000043	0.42	0.0093	1.5	0.0043	0.000043	0.00018	0.0027
	April		0.000075	0.00093	0.063	0.0043	0.0069	0.0024	0.000041	0.41	0.0089	1.5	0.0041	0.000041	0.00017	0.0026
	May		0.000083	0.0010	0.069	0.0047	0.0073	0.0026	0.000045	0.45	0.0098	1.6	0.0045	0.000045	0.00019	0.0029
	June		0.000089	0.0011	0.074	0.0051	0.0073	0.0028	0.000048	0.48	0.011	1.7	0.0048	0.000048	0.00020	0.0031
	July		0.000088	0.0011	0.073	0.0050	0.0065	0.0027	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0030
	August		0.000094	0.0012	0.078	0.0053	0.0067	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	September		0.000090	0.0011	0.075	0.0051	0.0062	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	October		0.000081	0.00099	0.067	0.0046	0.0056	0.0025	0.000044	0.43	0.0095	1.6	0.0044	0.000044	0.00018	0.0028
	November		0.000074	0.00091	0.061	0.0042	0.0054	0.0023	0.000040	0.40	0.0087	1.4	0.0040	0.000040	0.00017	0.0025
	December		0.000073	0.00091	0.061	0.0042	0.0059	0.0023	0.000040	0.40	0.0087	1.4	0.0040	0.000040	0.00017	0.0025
	January	2050	0.000073	0.00091	0.061	0.0042	0.0064	0.0023	0.000040	0.40	0.0087	1.4	0.0040	0.000040	0.00017	0.0025
	February		0.000073	0.00091	0.061	0.0042	0.0068	0.0023	0.000040	0.40	0.0087	1.4	0.0040	0.000040	0.00017	0.0025
	March		0.000073	0.00090	0.060	0.0041	0.0069	0.0023	0.000039	0.39	0.0086	1.4	0.0039	0.000039	0.00016	0.0025
	April		0.000067	0.00083	0.056	0.0038	0.0057	0.0021	0.000036	0.36	0.0079	1.3	0.0036	0.000036	0.00015	0.0023
	May		0.000070	0.00086	0.058	0.0040	0.0060	0.0022	0.000038	0.38	0.0083	1.4	0.0038	0.000038	0.00016	0.0024
	June		0.000077	0.00095	0.064	0.0044	0.0061	0.0024	0.000042	0.41	0.0091	1.5	0.0042	0.000042	0.00017	0.0027
	July		0.00011	0.0013	0.091	0.0062	0.0089	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00024	0.0038
	August		0.00013	0.0016	0.11	0.0074	0.011	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0045
	September		0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00028	0.0044
	October		0.00013	0.0016	0.10	0.0071	0.010	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	November		0.00012	0.0015	0.099	0.0068	0.010	0.0037	0.000065	0.64	0.014	2.3	0.0065	0.000065	0.00027	0.0041
	December		0.00012	0.0014	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00026	0.0041

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000064	0.014	0.41	0.10	0.0000052
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000064	0.014	0.41	0.10	0.0000052
	March		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00030	0.0010	0.00025	0.074	0.000060	0.013	0.39	0.097	0.0000050
	April		0.039	0.15	0.00045	0.000037	0.89	1.2	0.00022	0.00074	0.00018	0.053	0.000043	0.0096	0.28	0.070	0.0000036
	May		0.040	0.15	0.00045	0.000038	0.90	1.2	0.00022	0.00074	0.00018	0.053	0.000044	0.0097	0.28	0.070	0.0000036
	June		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	July		0.051	0.20	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	August		0.047	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.063	0.000052	0.012	0.33	0.084	0.0000043
	September		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00089	0.00022	0.064	0.000052	0.012	0.33	0.084	0.0000043
	October		0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00086	0.00021	0.062	0.000051	0.011	0.32	0.081	0.0000042
	November		0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00086	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	December		0.045	0.17	0.00051	0.000042	1.0	1.3	0.00024	0.00083	0.00020	0.060	0.000049	0.011	0.31	0.079	0.0000040
	January	**2052**	0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	February		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	March		0.044	0.17	0.00050	0.000042	1.00	1.3	0.00024	0.00083	0.00020	0.059	0.000049	0.011	0.31	0.078	0.0000040
	April		0.040	0.15	0.00045	0.000038	0.90	1.2	0.00022	0.00075	0.00018	0.054	0.000044	0.0098	0.28	0.071	0.0000036
	May		0.042	0.16	0.00048	0.000040	0.95	1.2	0.00023	0.00079	0.00019	0.056	0.000046	0.010	0.29	0.074	0.0000038
	June		0.050	0.19	0.00056	0.000047	1.1	1.5	0.00027	0.00093	0.00023	0.066	0.000054	0.012	0.35	0.087	0.0000045
	July		0.051	0.19	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.068	0.000056	0.013	0.36	0.090	0.0000046
	August		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.070	0.000058	0.013	0.37	0.093	0.0000048
	September		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.43	0.11	0.0000055
	October		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.085	0.000069	0.016	0.44	0.11	0.0000057
	November		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	December		0.063	0.24	0.00072	**0.000060**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
		MINIMUM	0.033	0.13	0.00037	0.000031	0.74	0.98	0.00018	0.00062	0.00015	0.044	0.000036	0.0081	0.23	0.058	0.0000030
		MAXIMUM	0.097	0.37	0.0011	**0.000092**	2.3	2.9	0.00054	0.0018	0.00045	0.14	0.00011	0.024	0.71	0.17	0.0000088
		AVERAGE	0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00033	0.0011	0.00027	0.080	0.000065	0.014	0.42	0.10	0.0000053
Decommissioning	**January**	**2053**	0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	February		0.063	0.24	0.00071	**0.000059**	1.4	1.9	0.00035	0.0012	0.00029	0.084	0.000069	0.015	0.44	0.11	0.0000057
	March		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.43	0.11	0.0000055
	April		0.049	0.18	0.00055	0.000046	1.1	1.4	0.00027	0.00091	0.00022	0.065	0.000053	0.012	0.34	0.086	0.0000044
	May		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000056	0.012	0.36	0.090	0.0000046
	June		0.067	0.26	0.00077	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	July		0.084	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000092	0.020	0.59	0.15	0.0000076
	August		0.086	0.33	0.00097	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000094	0.021	0.60	0.15	0.0000077
	September		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.084	0.000069	0.015	0.44	0.11	0.0000056
	October		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00025	0.075	0.000061	0.014	0.39	0.099	0.0000051
	November		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.38	0.095	0.0000048
	December		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.37	0.094	0.0000048
	January	**2054**	0.053	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.37	0.094	0.0000048
	February		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.37	0.094	0.0000048
	March		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.093	0.0000048
	April		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00026	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	May		0.045	0.17	0.00051	0.000043	1.0	1.3	0.00025	0.00085	0.00021	0.061	0.000050	0.011	0.32	0.080	0.0000041
	June		0.059	0.23	0.00067	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.079	0.000065	0.014	0.42	0.10	0.0000054
	July		0.073	0.28	0.00083	**0.000069**	1.6	2.2	0.00040	0.0014	0.00033	0.098	0.000080	0.018	0.51	0.13	0.0000066
	August		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	September		0.066	0.25	0.00075	**0.000063**	1.5	2.0	0.00036	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	October		0.066	0.25	0.00075	**0.000063**	1.5	2.0	0.00036	0.0012	0.00030	0.089	0.000073	0.016	0.47	0.12	0.0000060
	November		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00034	0.0012	0.00028	0.082	0.000068	0.015	0.43	0.11	0.0000056
	December		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.43	0.11	0.0000055
	January	**2055**	0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.43	0.11	0.0000055
	February		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.42	0.11	0.0000055
	March		0.061	0.23	0.00069	**0.000057**	1.4	1.8	0.00033	0.0011	0.00028	0.081	0.000067	0.015	0.42	0.11	0.0000055
	April		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00028	0.00094	0.00023	0.067	0.000055	0.012	0.35	0.089	0.0000045
	May		0.046	0.18	0.00052	0.000044	1.0	1.4	0.00025	0.00086	0.00021	0.062	0.000051	0.011	0.32	0.081	0.0000042
	June		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00027	0.00092	0.00022	0.066	0.000054	0.012	0.34	0.087	0.0000044
	July		0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
	August		0.051	0.19	0.00057	0.000048	1.1	1.5	0.00028	0.00095	0.00023	0.068	0.000055	0.012	0.35	0.089	0.0000046
	September		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00030	0.0010	0.00025	0.073	0.000060	0.013	0.38	0.096	0.0000049
	October		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00030	0.0010	0.00025	0.072	0.000059	0.013	0.38	0.095	0.0000049
	November		0.051	0.20	0.00058	0.000049	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	December		0.051	0.20	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Operations	**January**	**2051**	0.00012	0.0014	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00026	0.0041
	February		0.00012	0.0014	0.098	0.0067	0.012	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00026	0.0041
	March		0.00011	0.0014	0.093	0.0063	0.011	0.0035	0.000060	0.60	0.013	2.2	0.0060	0.000060	0.00025	0.0039
	April		0.000080	0.00099	0.066	0.0045	0.0067	0.0025	0.000043	0.43	0.0095	1.5	0.0043	0.000043	0.00018	0.0028
	May		0.000081	0.00099	0.067	0.0046	0.0063	0.0025	0.000044	0.43	0.0095	1.6	0.0044	0.000044	0.00018	0.0028
	June		0.000096	0.0012	0.080	0.0055	0.0075	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	July		0.00010	0.0013	0.086	0.0059	0.0079	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	August		0.000096	0.0012	0.080	0.0054	0.0069	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	September		0.000097	0.0012	0.080	0.0055	0.0070	0.0030	0.000052	0.52	0.011	1.9	0.0052	0.000052	0.00022	0.0033
	October		0.000093	0.0012	0.078	0.0053	0.0070	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	November		0.000093	0.0012	0.078	0.0053	0.0074	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	December		0.000090	0.0011	0.075	0.0051	0.0076	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	January	**2052**	0.000090	0.0011	0.075	0.0051	0.0081	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	February		0.000090	0.0011	0.075	0.0051	0.0085	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	March		0.000090	0.0011	0.075	0.0051	0.0089	0.0028	0.000049	0.48	0.011	1.7	0.0049	0.000049	0.00020	0.0031
	April		0.000081	0.00100	0.067	0.0046	0.0073	0.0025	0.000044	0.44	0.0096	1.6	0.0044	0.000044	0.00018	0.0028
	May		0.000085	0.0010	0.071	0.0048	0.0071	0.0027	0.000046	0.46	0.010	1.6	0.0046	0.000046	0.00019	0.0029
	June		0.00010	0.0012	0.083	0.0057	0.0083	0.0031	0.000054	0.54	0.012	1.9	0.0054	0.000054	0.00023	0.0035
	July		0.00010	0.0013	0.086	0.0059	0.0080	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	August		0.00011	0.0013	0.089	0.0060	0.0080	0.0033	0.000058	0.57	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	September		0.00012	0.0015	0.10	0.0070	0.0095	0.0038	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0042
	October		0.00013	0.0016	0.11	0.0073	0.010	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	November		0.00013	0.0016	0.11	0.0072	0.011	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	December		0.00013	0.0016	0.11	0.0072	0.012	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
		MINIMUM	0.000067	0.00082	0.056	0.0038	0.0049	0.0021	0.000036	0.36	0.0079	1.3	0.0036	0.000036	0.00015	0.0023
		MAXIMUM	0.00020	0.0024	0.18	**0.013**	0.021	0.0064	0.00011	1.1	0.024	3.8	0.011	0.00011	0.00045	0.0068
		AVERAGE	0.00012	0.0015	0.10	0.0069	0.011	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0041
Decommissioning	**January**	**2053**	0.00013	0.0016	0.11	0.0072	0.012	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	February		0.00013	0.0016	0.11	0.0072	0.013	0.0040	0.000069	0.69	0.015	2.5	0.0069	0.000069	0.00029	0.0044
	March		0.00012	0.0015	0.10	0.0070	0.013	0.0039	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	April		0.000098	0.0012	0.082	0.0056	0.0092	0.0031	0.000053	0.53	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	May		0.00010	0.0013	0.086	0.0059	0.0092	0.0032	0.000056	0.55	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	June		0.00014	0.0017	0.11	0.0077	0.012	0.0043	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	July		0.00017	0.0021	0.14	0.0097	0.015	0.0053	0.000092	0.91	0.020	3.3	0.0092	0.000092	0.00038	0.0059
	August		0.00017	0.0021	0.14	0.0098	0.015	0.0054	0.000094	0.93	0.021	3.3	0.0094	0.000094	0.00039	0.0060
	September		0.00013	0.0016	0.11	0.0072	0.010	0.0040	0.000069	0.68	0.015	2.4	0.0069	0.000069	0.00028	0.0044
	October		0.00011	0.0014	0.094	0.0064	0.0094	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	November		0.00011	0.0013	0.090	0.0061	0.0093	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	December		0.00011	0.0013	0.090	0.0061	0.0099	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	January	**2054**	0.00011	0.0013	0.090	0.0061	0.010	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	February		0.00011	0.0013	0.090	0.0061	0.011	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0037
	March		0.00011	0.0013	0.089	0.0061	0.011	0.0033	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	April		0.000094	0.0012	0.078	0.0053	0.0092	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	May		0.000092	0.0011	0.076	0.0052	0.0081	0.0029	0.000050	0.49	0.011	1.8	0.0050	0.000050	0.00021	0.0032
	June		0.00012	0.0015	0.10	0.0068	0.011	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
	July		0.00015	0.0018	0.12	0.0084	0.013	0.0046	0.000080	0.79	0.018	2.8	0.0080	0.000080	0.00033	0.0051
	August		0.00013	0.0016	0.11	0.0075	0.011	0.0042	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	September		0.00013	0.0017	0.11	0.0076	0.011	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	October		0.00013	0.0017	0.11	0.0076	0.011	0.0042	0.000073	0.72	0.016	2.6	0.0073	0.000073	0.00030	0.0047
	November		0.00012	0.0015	0.10	0.0071	0.011	0.0039	0.000068	0.67	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	December		0.00012	0.0015	0.10	0.0070	0.011	0.0039	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	January	**2055**	0.00012	0.0015	0.10	0.0070	0.012	0.0038	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0043
	February		0.00012	0.0015	0.10	0.0070	0.012	0.0038	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0042
	March		0.00012	0.0015	0.10	0.0070	0.013	0.0038	0.000067	0.66	0.015	2.4	0.0067	0.000067	0.00028	0.0042
	April		0.00010	0.0013	0.084	0.0058	0.0098	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	May		0.000093	0.0012	0.078	0.0053	0.0083	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	June		0.000099	0.0012	0.082	0.0056	0.0085	0.0031	0.000054	0.53	0.012	1.9	0.0054	0.000054	0.00022	0.0034
	July		0.000088	0.0011	0.073	0.0050	0.0065	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0031
	August		0.00010	0.0013	0.085	0.0058	0.0076	0.0032	0.000055	0.55	0.012	2.0	0.0055	0.000055	0.00023	0.0035
	September		0.00011	0.0014	0.092	0.0063	0.0083	0.0034	0.000060	0.59	0.013	2.1	0.0060	0.000060	0.00025	0.0038
	October		0.00011	0.0013	0.091	0.0062	0.0085	0.0034	0.000059	0.59	0.013	2.1	0.0059	0.000059	0.00025	0.0038
	November		0.00010	0.0013	0.087	0.0059	0.0086	0.0033	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	December		0.00010	0.0013	0.086	0.0059	0.0092	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.051	0.20	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.013	0.36	0.091	0.0000046
	February		0.051	0.20	0.00058	0.000048	1.2	1.5	0.00028	0.00096	0.00023	0.069	0.000056	0.012	0.36	0.091	0.0000046
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.32	0.082	0.0000042
	April		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00025	0.00087	0.00021	0.062	0.000051	0.011	0.33	0.082	0.0000042
	May		0.053	0.20	0.00060	0.000050	1.2	1.6	0.00029	0.00099	0.00024	0.071	0.000058	0.013	0.37	0.093	0.0000048
	June		0.062	0.24	0.00070	**0.000059**	1.4	1.8	0.00034	0.0012	0.00028	0.083	0.000068	0.015	0.44	0.11	0.0000056
	July		0.066	0.25	0.00074	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000059
	August		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00036	0.0012	0.00030	0.088	0.000072	0.016	0.46	0.12	0.0000060
	September		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00029	0.0010	0.00024	0.072	0.000059	0.013	0.38	0.095	0.0000048
	October		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0011	0.00026	0.075	0.000062	0.014	0.39	0.099	0.0000051
	November		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00026	0.078	0.000064	0.014	0.41	0.10	0.0000052
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	January	**2057**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00032	0.0011	0.00027	0.078	0.000064	0.014	0.41	0.10	0.0000053
	April		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00026	0.00090	0.00022	0.064	0.000053	0.012	0.34	0.085	0.0000043
	May		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00031	0.0010	0.00025	0.075	0.000061	0.014	0.39	0.099	0.0000050
	June		0.069	0.26	0.00078	**0.000065**	1.6	2.0	0.00038	0.0013	0.00031	0.092	0.000076	0.017	0.48	0.12	0.0000062
	July		0.067	0.26	0.00076	**0.000064**	1.5	2.0	0.00037	0.0013	0.00031	0.090	0.000074	0.016	0.47	0.12	0.0000061
	August		0.065	0.25	0.00074	**0.000061**	1.5	1.9	0.00036	0.0012	0.00030	0.087	0.000071	0.016	0.46	0.11	0.0000059
	September		0.075	0.28	0.00085	**0.000071**	1.7	2.2	0.00041	0.0014	0.00034	0.10	0.000082	0.018	0.52	0.13	0.0000068
	October		0.083	0.31	0.00094	**0.000078**	1.9	2.4	0.00045	0.0015	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000074
	November		0.083	0.32	0.00095	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
	December		0.083	0.32	0.00094	**0.000079**	1.9	2.5	0.00046	0.0016	0.00038	0.11	0.000091	0.020	0.58	0.15	0.0000075
		MINIMUM	0.044	0.17	0.00049	0.000041	0.98	1.3	0.00024	0.00082	0.00020	0.058	0.000048	0.011	0.31	0.077	0.0000039
		MAXIMUM	0.086	0.33	0.00097	**0.000081**	1.9	2.5	0.00047	0.0016	0.00039	0.11	0.000094	0.021	0.60	0.15	0.0000077
		AVERAGE	0.059	0.23	0.00067	**0.000056**	1.3	1.8	0.00033	0.0011	0.00027	0.079	0.000065	0.014	0.42	0.10	0.0000054
Reclamation	**January**	**2058**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2059**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2060**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Decommissioning	**January**	**2056**	0.00010	0.0013	0.086	0.0059	0.0098	0.0032	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	February		0.00010	0.0013	0.086	0.0059	0.010	0.0033	0.000056	0.56	0.012	2.0	0.0056	0.000056	0.00023	0.0036
	March		0.000094	0.0012	0.078	0.0053	0.0089	0.0029	0.000051	0.50	0.011	1.8	0.0051	0.000051	0.00021	0.0032
	April		0.000094	0.0012	0.078	0.0053	0.0088	0.0029	0.000051	0.51	0.011	1.8	0.0051	0.000051	0.00021	0.0033
	May		0.00011	0.0013	0.089	0.0061	0.0099	0.0033	0.000058	0.58	0.013	2.1	0.0058	0.000058	0.00024	0.0037
	June		0.00013	0.0016	0.10	0.0071	0.011	0.0039	0.000068	0.68	0.015	2.4	0.0068	0.000068	0.00028	0.0043
	July		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000072	0.71	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	August		0.00013	0.0016	0.11	0.0076	0.011	0.0042	0.000072	0.72	0.016	2.6	0.0072	0.000072	0.00030	0.0046
	September		0.00011	0.0013	0.090	0.0062	0.0086	0.0034	0.000059	0.58	0.013	2.1	0.0059	0.000059	0.00024	0.0038
	October		0.00011	0.0014	0.094	0.0064	0.0092	0.0036	0.000062	0.61	0.013	2.2	0.0062	0.000062	0.00026	0.0039
	November		0.00012	0.0014	0.098	0.0067	0.010	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00026	0.0041
	December		0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	January	**2057**	0.00012	0.0015	0.098	0.0067	0.011	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	February		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	March		0.00012	0.0015	0.098	0.0067	0.012	0.0037	0.000064	0.63	0.014	2.3	0.0064	0.000064	0.00027	0.0041
	April		0.000097	0.0012	0.081	0.0055	0.0093	0.0030	0.000053	0.52	0.012	1.9	0.0053	0.000053	0.00022	0.0034
	May		0.00011	0.0014	0.094	0.0064	0.011	0.0035	0.000061	0.61	0.013	2.2	0.0061	0.000061	0.00025	0.0039
	June		0.00014	0.0017	0.12	0.0079	0.014	0.0044	0.000076	0.75	0.017	2.7	0.0076	0.000076	0.00031	0.0048
	July		0.00014	0.0017	0.11	0.0077	0.012	0.0043	0.000074	0.73	0.016	2.6	0.0074	0.000074	0.00031	0.0047
	August		0.00013	0.0016	0.11	0.0075	0.011	0.0041	0.000071	0.71	0.016	2.5	0.0071	0.000071	0.00030	0.0045
	September		0.00015	0.0019	0.13	0.0086	0.013	0.0047	0.000082	0.81	0.018	2.9	0.0082	0.000082	0.00034	0.0052
	October		0.00017	0.0021	0.14	0.0095	0.015	0.0052	0.000091	0.90	0.020	3.2	0.0091	0.000091	0.00038	0.0058
	November		0.00017	0.0021	0.14	0.0096	0.016	0.0053	0.000091	0.91	0.020	3.3	0.0091	0.000091	0.00038	0.0058
	December		0.00017	0.0021	0.14	0.0096	0.016	0.0053	0.000091	0.91	0.020	3.2	0.0091	0.000091	0.00038	0.0058
		MINIMUM	0.000088	0.0011	0.073	0.0050	0.0065	0.0028	0.000048	0.47	0.010	1.7	0.0048	0.000048	0.00020	0.0031
		MAXIMUM	0.00017	0.0021	0.14	0.0098	0.016	0.0054	0.000094	0.93	0.021	3.3	0.0094	0.000094	0.00039	0.0060
		AVERAGE	0.00012	0.0015	0.100	0.0068	0.011	0.0038	0.000065	0.65	0.014	2.3	0.0065	0.000065	0.00027	0.0042
Reclamation	**January**	**2058**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2059**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2060**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2061**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2062**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2063**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	**August**		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2064**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2065**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	Month	Year	mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	January	2061	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2062	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2063	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2064	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2065	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	2066	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	**February**		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2067**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-10: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Wes

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August	**2066**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	**February**		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July	**2067**	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.0025	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.0100	0.053	0.00013	0.0000099	4.0	0.99	0.00050	0.000099	0.00050	**0.46**	0.000099	0.037	1.4	0.056	0.0000040
	April		0.0087	0.047	0.00011	0.0000087	3.5	0.87	0.00044	0.000087	0.00044	**0.40**	0.000087	0.032	1.2	0.049	0.0000035
	May		0.0075	0.040	0.000097	0.0000075	3.0	0.75	0.00037	0.000075	0.00037	**0.35**	0.000075	0.027	1.0	0.042	0.0000030
	June		0.0073	0.039	0.000095	0.0000073	2.9	0.73	0.00037	0.000073	0.00037	**0.34**	0.000073	0.027	1.0	0.041	0.0000029
	July		0.0066	0.035	0.000086	0.0000066	2.6	0.66	0.00033	0.000066	0.00033	**0.31**	0.000066	0.024	0.93	0.037	0.0000026
	August		0.0062	0.033	0.000080	0.0000062	2.5	0.62	0.00031	0.000062	0.00031	0.28	0.000062	0.022	0.86	0.035	0.0000025
	September		0.0054	0.029	0.000071	0.0000054	2.2	0.54	0.00027	0.000054	0.00027	0.25	0.000054	0.020	0.76	0.031	0.0000022
	October		0.0049	0.026	0.000064	0.0000049	2.0	0.49	0.00025	0.000049	0.00025	0.23	0.000049	0.018	0.69	0.028	0.0000020
	November		0.0046	0.025	0.000060	0.0000046	1.9	0.46	0.00023	0.000046	0.00023	0.21	0.000046	0.017	0.65	0.026	0.0000019
	December		0.0046	0.024	0.000059	0.0000046	1.8	0.46	0.00023	0.000046	0.00023	0.21	0.000046	0.017	0.64	0.026	0.0000018
	January	**2026**	0.0046	0.024	0.000059	0.0000045	1.8	0.45	0.00023	0.000045	0.00023	0.21	0.000045	0.016	0.64	0.026	0.0000018
	February		0.0046	0.024	0.000059	0.0000045	1.8	0.45	0.00023	0.000045	0.00023	0.21	0.000045	0.016	0.64	0.026	0.0000018
	March		0.0031	2.0	0.000040	0.0000031	2.5	0.63	0.00015	0.000031	0.00015	0.14	0.000031	0.023	0.89	0.017	0.0000025
	April		0.00049	3.0	0.00018	0.000012	4.2	2.2	0.000015	0.0000057	0.00014	0.0090	0.000041	2.4	1.4	0.0013	0.000015
	May		0.00016	2.9	0.000081	0.0000052	4.2	2.3	0.0000041	0.0000019	0.000059	0.0016	0.000017	2.7	1.4	0.00027	0.000017
	June		0.00048	2.5	0.00029	0.000020	5.3	3.9	0.000011	0.0000055	0.00022	0.0021	0.000063	5.7	1.7	0.00043	0.000031
	July		0.00051	2.7	0.00032	0.000021	5.9	4.7	0.000012	0.0000057	0.00023	0.0020	0.000067	7.2	1.9	0.00041	0.000039
	August		0.00068	2.5	0.00043	0.000029	6.6	5.9	0.000016	0.0000077	0.00031	0.0024	0.000090	9.3	2.1	0.00051	0.000050
	September		0.00046	2.5	0.00027	0.000018	6.1	5.4	0.000010	0.0000055	0.00019	0.0017	0.000055	8.2	1.9	0.00041	0.000045
	October		0.00033	2.8	0.00020	0.000013	6.0	5.2	0.0000076	0.0000038	0.00014	0.0014	0.000041	7.9	1.9	0.00029	0.000044
	November		0.00010	3.7	0.000055	0.0000037	6.3	5.0	0.0000028	0.0000012	0.000040	0.0010	0.000012	7.3	2.0	0.00017	0.000041
	December		0.000065	5.1	0.0000093	0.00000056	5.9	3.7	0.0000029	0.00000072	0.0000081	0.0025	0.0000021	4.8	1.9	0.00034	0.000029
	January	**2027**	0.000096	8.3	0.0000052	0.00000029	5.1	2.2	0.0000047	0.0000011	0.0000067	0.0042	0.0000015	1.9	1.7	0.00058	0.000014
	February		0.00013	9.9	0.000015	0.00000097	5.0	1.7	0.0000059	0.0000014	0.000015	0.0050	0.0000037	0.93	1.7	0.00070	0.0000092
	March		0.00046	5.8	0.00025	0.000017	5.5	2.9	0.000013	0.0000051	0.00018	0.0049	0.000052	3.3	1.8	0.00076	0.000021
	April		0.00052	3.7	0.00031	0.000021	6.0	4.8	0.000012	0.0000061	0.00023	0.0022	0.000064	7.2	1.9	0.00047	0.000041
	May		0.00032	4.1	0.00019	0.000013	5.7	4.4	0.0000077	0.0000037	0.00014	0.0018	0.000040	6.4	1.8	0.00034	0.000036
	June		0.00047	4.1	0.00029	0.000020	6.1	4.8	0.000011	0.0000052	0.00021	0.0021	0.000061	7.1	2.0	0.00041	0.000040
	July		0.00074	3.6	0.00047	0.000032	6.8	5.9	0.000017	0.0000082	0.00034	0.0028	0.000099	9.3	2.2	0.00056	0.000051
	August		0.00048	3.4	0.00027	0.000018	5.9	5.1	0.000010	0.0000058	0.00019	0.0020	0.000056	7.6	1.9	0.00046	0.000042
	September		0.00028	3.8	0.00015	0.0000098	5.4	4.2	0.0000063	0.0000035	0.00011	0.0016	0.000031	5.9	1.7	0.00034	0.000034
	October		0.00030	4.3	0.00017	0.000012	5.6	4.2	0.0000071	0.0000034	0.00013	0.0017	0.000036	5.9	1.8	0.00032	0.000034
	November		0.00026	4.3	0.00015	0.000010	5.5	4.0	0.0000063	0.0000030	0.00011	0.0016	0.000031	5.5	1.8	0.00029	0.000032
	December		0.000057	5.6	0.000012	0.00000077	5.3	3.2	0.0000023	0.00000064	0.0000098	0.0018	0.0000026	3.9	1.8	0.00026	0.000024
	January	**2028**	0.000074	13	0.0000035	0.00000019	4.8	1.8	0.0000036	0.00000082	0.0000048	0.0033	0.0000011	1.4	1.6	0.00045	0.000011
	February		0.000086	13	0.0000020	9.6E-08	5.1	1.4	0.0000043	0.00000096	0.0000044	0.0040	0.00000087	0.36	1.8	0.00055	0.0000066
	March		0.000092	13	0.0000021	9.8E-08	5.1	1.3	0.0000046	0.0000010	0.0000046	0.0042	0.00000092	0.085	1.8	0.00058	0.0000053
	April		0.00045	9.6	0.00029	0.000019	8.4	13	0.000017	0.00032	0.00030	0.0051	0.000056	3.4	3.0	0.00081	0.000060
	May		0.00027	6.0	0.00020	0.000011	14	37	0.000021	0.0015	0.00057	0.0036	0.000027	3.4	7.0	0.0012	0.00017
	June		0.00024	8.1	0.00017	0.000010	13	33	0.000017	0.0011	0.00045	0.0032	0.000026	2.6	7.1	0.00097	0.00016
	July		0.00038	6.6	0.00032	0.000019	18	48	0.000028	0.0019	0.00076	0.0042	0.000048	4.0	9.3	0.0014	**0.00023**
	August		0.00031	6.5	0.00026	0.000016	20	55	0.000030	0.0025	0.00092	0.0038	0.000035	3.6	12	0.0017	**0.00027**
	September		0.00031	7.3	0.00026	0.000016	19	52	0.000029	0.0024	0.00088	0.0038	0.000036	3.3	12	0.0016	**0.00027**
	October		0.00016	9.0	0.00011	0.0000066	14	35	0.000013	0.00091	0.00034	0.0029	0.000016	2.2	8.4	0.00081	0.00018
	November		0.000099	10	0.000050	0.0000030	11	25	0.0000075	0.00045	0.00017	0.0026	0.0000070	1.6	6.3	0.00057	0.00012
	December		0.000083	13	0.0000026	0.00000013	6.7	7.5	0.0000042	0.0000078	0.0000065	0.0038	0.0000009	0.44	3.0	0.00053	0.000036
		MINIMUM	0.000057	0.024	0.0000020	9.6E-08	1.8	0.45	0.0000023	0.00000064	0.0000044	0.0010	0.00000087	0.016	0.64	0.00017	0.0000018
		MAXIMUM	0.010	13	0.00047	0.000032	20	55	0.00050	0.0025	0.00092	**0.46**	0.00010	9.3	12	0.057	**0.00027**
		AVERAGE	0.0023	4.3	0.00015	0.0000099	6.2	8.5	0.00011	0.00025	0.00026	0.096	0.000044	3.1	2.6	0.012	0.000047
Operations	**January**	**2029**	**20**	8.1	**0.070**	**0.000084**	417	**1729**	**0.026**	0.029	**0.32**	**9.5**	**0.043**	0.31	61	0.096	0.000023
	February		**22**	7.2	**0.077**	**0.000091**	456	**2742**	**0.029**	0.032	**0.35**	**10**	**0.047**	0.27	96	0.10	0.000018
	March		**21**	6.8	**0.074**	**0.000090**	456	**2732**	**0.027**	0.031	**0.34**	**9.9**	**0.045**	0.66	97	0.10	0.000047
	April		**18**	5.8	**0.064**	**0.000093**	455	**2372**	**0.024**	0.028	**0.29**	**8.6**	**0.039**	3.5	88	0.088	0.00018
	May		**19**	5.4	**0.065**	**0.000085**	456	**2208**	**0.024**	0.028	**0.30**	**8.7**	**0.040**	1.6	84	0.089	0.00018
	June		**18**	5.4	**0.064**	**0.000087**	456	**2208**	**0.024**	0.028	**0.29**	**8.6**	**0.039**	2.4	83	0.088	0.00017
	July		**19**	5.7	**0.066**	**0.000090**	456	**2326**	**0.025**	0.028	**0.30**	**8.9**	**0.040**	2.4	86	0.091	0.00016
	August		**19**	5.5	**0.065**	**0.000089**	456	**2221**	**0.024**	0.028	**0.30**	**8.7**	**0.039**	2.6	84	0.089	**0.00020**
	September		**18**	5.4	**0.064**	**0.000090**	456	**2259**	**0.024**	0.028	**0.29**	**8.6**	**0.039**	3.0	85	0.088	**0.00020**
	October		**20**	5.9	**0.068**	**0.000087**	455	**2430**	**0.025**	0.029	**0.31**	**9.1**	**0.041**	1.5	90	0.093	0.00014
	November		**21**	6.6	**0.074**	**0.000091**	456	**2655**	**0.028**	0.031	**0.34**	**10.0**	**0.045**	0.99	95	0.10	0.000074
	December		**22**	7.1	**0.077**	**0.000091**	456	**2826**	**0.028**	0.031	**0.35**	**10**	**0.047**	0.33	99	0.10	0.000023

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.020	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.023	0.0100	0.00010	1.5	0.032	1.7	0.0100	0.00010	0.00050	0.0030
	March		0.000099	0.00050	0.50	**0.050**	0.025	0.0099	0.000099	1.5	0.032	1.7	0.0099	0.000099	0.00050	0.0030
	April		0.000087	0.00044	0.44	**0.044**	0.023	0.0087	0.000087	1.3	0.028	1.5	0.0087	0.000087	0.00044	0.0026
	May		0.000075	0.00037	0.37	**0.037**	0.021	0.0075	0.000075	1.1	0.024	1.3	0.0075	0.000075	0.00037	0.0022
	June		0.000073	0.00037	0.37	**0.037**	0.022	0.0073	0.000073	1.1	0.023	1.2	0.0073	0.000073	0.00037	0.0022
	July		0.000066	0.00033	0.33	**0.033**	0.020	0.0066	0.000066	0.99	0.021	1.1	0.0066	0.000066	0.00033	0.0020
	August		0.000062	0.00031	0.31	**0.031**	0.020	0.0062	0.000062	0.93	0.020	1.0	0.0062	0.000062	0.00031	0.0019
	September		0.000054	0.00027	0.27	**0.027**	0.018	0.0054	0.000054	0.81	0.017	0.92	0.0054	0.000054	0.00027	0.0016
	October		0.000049	0.00025	0.25	**0.025**	0.016	0.0049	0.000049	0.74	0.016	0.84	0.0049	0.000049	0.00025	0.0015
	November		0.000046	0.00023	0.23	**0.023**	0.016	0.0046	0.000046	0.69	0.015	0.79	0.0046	0.000046	0.00023	0.0014
	December		0.000046	0.00023	0.23	**0.023**	0.016	0.0046	0.000046	0.69	0.015	0.78	0.0046	0.000046	0.00023	0.0014
	January	**2026**	0.000045	0.00023	0.23	**0.023**	0.016	0.0045	0.000045	0.68	0.015	0.77	0.0045	0.000045	0.00023	0.0014
	February		0.000045	0.00023	0.23	**0.023**	0.016	0.0045	0.000045	0.68	0.015	0.77	0.0045	0.000045	0.00023	0.0014
	March		0.000031	0.00015	2.7	**0.032**	0.017	0.0031	0.000031	0.95	0.020	1.1	0.0063	0.000031	0.00015	0.00092
	April		0.26	0.000053	3.7	**0.044**	2.7	0.011	0.000011	1.5	0.044	13	0.019	**0.089**	0.000091	0.000083
	May		0.12	0.000021	3.5	**0.043**	2.9	0.0050	0.0000042	1.5	0.045	14	0.020	**0.039**	0.000037	0.000021
	June		0.43	0.000072	3.0	**0.046**	6.2	0.018	0.000014	1.7	0.066	29	0.032	**0.14**	0.00014	0.000049
	July		0.46	0.000077	3.0	**0.049**	7.8	0.020	0.000015	1.8	0.077	36	0.039	**0.15**	0.00015	0.000051
	August		0.63	0.00010	2.7	**0.050**	10	0.026	0.000020	2.0	0.093	47	0.048	**0.21**	0.00020	0.000067
	September		0.39	0.000065	2.7	**0.046**	9.0	0.016	0.000013	1.9	0.084	42	0.043	**0.13**	0.00012	0.000046
	October		0.29	0.000048	3.1	**0.047**	8.6	0.012	0.0000095	1.9	0.083	41	0.042	**0.094**	0.000092	0.000034
	November		0.079	0.000014	4.2	**0.052**	7.9	0.0033	0.0000029	2.0	0.082	38	0.040	0.026	0.000026	0.000014
	December		0.011	0.0000046	6.1	**0.056**	5.2	0.00052	0.0000013	2.0	0.068	25	0.031	0.0038	0.0000061	0.000019
	January	**2027**	0.0043	0.0000056	10	**0.057**	2.0	0.00029	0.0000017	1.8	0.049	11	0.019	0.0015	0.0000059	0.000031
	February		0.018	0.0000088	12	**0.059**	0.98	0.00089	0.0000024	1.8	0.044	6.4	0.015	0.0060	0.000011	0.000038
	March		0.36	0.000064	7.1	**0.057**	3.5	0.015	0.000013	1.9	0.058	18	0.025	**0.12**	0.00012	0.000064
	April		0.45	0.000076	4.2	**0.049**	7.8	0.019	0.000015	1.9	0.079	37	0.039	**0.15**	0.00014	0.000054
	May		0.28	0.000047	4.7	**0.049**	6.9	0.012	0.0000093	1.8	0.074	33	0.036	**0.091**	0.000089	0.000035
	June		0.42	0.000071	4.7	**0.051**	7.7	0.018	0.000014	1.9	0.079	37	0.039	**0.14**	0.00014	0.000049
	July		**0.69**	0.00011	4.0	**0.053**	10	0.029	0.000022	2.1	0.095	48	0.048	**0.23**	0.00022	0.000074
	August		0.39	0.000066	3.8	**0.047**	8.3	0.016	0.000013	1.8	0.081	39	0.041	**0.13**	0.00012	0.000048
	September		0.21	0.000037	4.4	**0.045**	6.5	0.0089	0.0000073	1.7	0.069	31	0.034	**0.070**	0.000068	0.000031
	October		0.25	0.000043	5.0	**0.049**	6.4	0.010	0.0000084	1.8	0.071	31	0.034	**0.082**	0.000081	0.000033
	November		0.22	0.000037	5.1	**0.048**	6.0	0.0091	0.0000074	1.8	0.068	29	0.032	**0.071**	0.000071	0.000030
	December		0.016	0.0000047	6.7	**0.052**	4.2	0.00071	0.0000012	1.8	0.060	21	0.026	0.0054	0.0000069	0.000015
	January	**2028**	0.0025	0.0000042	15	**0.054**	1.5	0.00019	0.0000013	1.7	0.044	8.6	0.017	0.00088	0.0000043	0.000024
	February		0.000084	0.0000046	16	**0.062**	0.37	0.00010	0.0000015	1.9	0.042	3.7	0.014	0.000036	0.0000043	0.000029
	March		0.0000045	0.0000049	15	**0.064**	0.066	0.00011	0.0000016	1.9	0.041	2.4	0.013	0.0000029	0.0000046	0.000031
	April		0.38	0.00019	11	**0.083**	3.7	0.017	0.000029	2.1	0.079	33	0.040	**0.13**	0.00013	0.00021
	May		0.19	0.00063	7.1	**0.12**	3.7	0.0093	0.000071	2.0	0.13	88	0.076	**0.062**	0.000077	0.00058
	June		0.18	0.00049	9.6	**0.11**	2.8	0.0085	0.000056	2.0	0.12	83	0.068	**0.059**	0.000070	0.00045
	July		0.33	0.00081	7.8	**0.15**	4.3	0.016	0.000092	2.3	0.16	117	0.095	**0.11**	0.00013	0.00073
	August		0.24	0.0011	7.7	**0.16**	3.9	0.012	0.00012	2.4	0.18	141	0.10	**0.080**	0.00010	0.00091
	September		0.25	0.00100	8.6	**0.16**	3.6	0.012	0.00011	2.4	0.18	143	0.10	**0.083**	0.00010	0.00086
	October		0.11	0.00039	11	**0.12**	2.4	0.0053	0.000043	2.1	0.13	95	0.071	**0.036**	0.000045	0.00034
	November		0.046	0.00019	12	**0.10**	1.7	0.0023	0.000022	2.0	0.10	66	0.053	0.015	0.000021	0.00018
	December		0.00056	0.0000073	15	**0.073**	0.45	0.00012	0.0000018	1.9	0.057	19	0.023	0.00021	0.0000044	0.000030
		MINIMUM	0.0000045	0.0000042	0.23	**0.023**	0.016	0.00010	0.0000012	0.68	0.015	0.77	0.0045	0.0000029	0.0000043	0.000014
		MAXIMUM	**0.69**	0.0011	16	**0.16**	10	0.029	0.00012	2.4	0.18	143	0.10	**0.23**	0.00050	0.0030
		AVERAGE	0.16	0.00022	5.2	**0.059**	3.3	0.0090	0.000036	1.6	0.064	30	0.031	**0.053**	0.00016	0.00072
Operations	**January**	**2029**	0.032	0.11	9.8	**0.079**	0.30	0.77	0.0010	809	12	**2650**	0.82	0.026	**0.18**	0.013
	February		0.035	0.12	8.8	**0.085**	0.24	0.87	0.0011	885	19	**2900**	1.3	**0.031**	**0.20**	0.014
	March		0.074	0.12	8.3	**0.097**	0.67	0.84	0.0011	884	19	**2898**	1.3	**0.043**	**0.19**	0.014
	April		0.32	0.10	6.8	**0.16**	3.7	0.75	0.0010	883	16	**2894**	1.2	**0.12**	**0.17**	0.013
	May		0.13	0.10	6.5	**0.14**	1.7	0.74	0.0010	884	15	**2897**	1.1	**0.061**	**0.17**	0.013
	June		0.22	0.10	6.4	**0.14**	2.6	0.74	0.0010	885	15	**2901**	1.1	**0.089**	**0.17**	0.012
	July		0.23	0.10	6.8	**0.14**	2.6	0.77	0.0011	886	16	**2902**	1.1	**0.093**	**0.17**	0.013
	August		0.22	0.10	6.5	**0.15**	2.8	0.74	0.0010	885	15	**2899**	1.1	**0.090**	**0.17**	0.013
	September		0.26	0.10	6.4	**0.16**	3.3	0.74	0.0010	885	15	**2901**	1.1	**0.10**	**0.17**	0.013
	October		0.13	0.11	7.1	**0.13**	1.6	0.78	0.0011	884	16	**2896**	1.2	**0.061**	**0.18**	0.013
	November		0.075	0.12	7.9	**0.11**	1.0	0.84	0.0011	886	18	**2903**	1.3	**0.044**	**0.19**	0.014
	December		0.035	0.12	8.6	**0.088**	0.31	0.87	0.0011	885	19	**2899**	1.3	**0.031**	**0.20**	0.014

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	**24**	6.2	**0.082**	**0.000098**	456	**2375**	**0.031**	0.034	**0.38**	**11**	**0.050**	0.22	83	0.11	0.000016
	February		**23**	5.7	**0.081**	**0.000098**	457	**2165**	**0.030**	0.033	**0.37**	**11**	**0.049**	0.49	77	0.11	0.000032
	March		**23**	5.5	**0.080**	**0.000098**	456	**2093**	**0.030**	0.033	**0.37**	**11**	**0.049**	0.69	75	0.11	0.000055
	April		**21**	4.8	**0.071**	**0.000100**	459	**1860**	**0.026**	0.031	**0.33**	**9.6**	**0.044**	2.9	70	0.097	0.00018
	May		**21**	4.9	**0.074**	**0.00010**	458	**1879**	**0.027**	0.032	**0.34**	**9.9**	**0.045**	2.4	71	0.10	0.00017
	June		**20**	4.7	**0.071**	**0.00010**	459	**1825**	**0.026**	0.031	**0.32**	**9.5**	**0.043**	3.2	70	0.096	**0.00020**
	July		**20**	4.7	**0.071**	**0.00010**	458	**1757**	**0.026**	0.031	**0.32**	**9.4**	**0.043**	3.7	68	0.096	**0.00024**
	August		**20**	4.6	**0.070**	**0.00010**	458	**1790**	**0.026**	0.031	**0.32**	**9.4**	**0.043**	3.2	70	0.096	**0.00023**
	September		**20**	4.6	**0.070**	**0.000097**	458	**1786**	**0.026**	0.031	**0.32**	**9.4**	**0.043**	2.7	70	0.096	**0.00022**
	October		**21**	4.8	**0.072**	**0.000098**	459	**1846**	**0.027**	0.031	**0.33**	**9.6**	**0.044**	2.1	71	0.098	0.00018
	November		**22**	5.1	**0.078**	**0.000094**	457	**1940**	**0.029**	0.033	**0.36**	**10**	**0.047**	0.52	72	0.11	0.000099
	December		**23**	5.6	**0.081**	**0.000098**	456	**2119**	**0.030**	0.033	**0.37**	**11**	**0.049**	0.54	76	0.11	0.000046
	January	**2031**	**24**	5.0	**0.085**	**0.00010**	456	**1927**	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.52	69	0.11	0.000043
	February		**25**	4.9	**0.087**	**0.00010**	455	**1889**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.19	67	0.12	0.000020
	March		**24**	4.8	**0.085**	**0.00010**	456	**1833**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.55	65	0.11	0.000042
	April		**22**	4.3	**0.077**	**0.00011**	458	**1677**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.7	63	0.10	0.00015
	May		**22**	4.1	**0.077**	**0.00010**	459	**1615**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.6	62	0.11	0.00015
	June		**22**	4.2	**0.077**	**0.00010**	458	**1652**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.7	62	0.10	0.00013
	July		**23**	4.2	**0.078**	**0.00010**	458	**1652**	**0.029**	0.033	**0.36**	**10**	**0.048**	1.9	62	0.11	0.00014
	August		**23**	4.4	**0.080**	**0.00011**	457	**1712**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	2.1	65	0.11	0.00016
	September		**22**	4.2	**0.078**	**0.00010**	458	**1663**	**0.029**	0.033	**0.36**	**10**	**0.047**	2.2	64	0.11	0.00017
	October		**23**	4.4	**0.081**	**0.00010**	457	**1712**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.4	64	0.11	0.00012
	November		**25**	4.7	**0.086**	**0.00010**	455	**1818**	**0.032**	**0.035**	**0.39**	**12**	**0.053**	0.45	65	0.12	0.000050
	December		**25**	4.9	**0.086**	**0.00010**	455	**1890**	**0.032**	**0.035**	**0.39**	**12**	**0.052**	0.24	67	0.12	0.000023
	January	**2032**	**26**	5.1	**0.090**	**0.00011**	455	**1778**	**0.034**	**0.037**	**0.41**	**12**	**0.055**	0.26	63	0.12	0.000026
	February		**26**	5.2	**0.091**	**0.00011**	455	**1740**	**0.034**	**0.037**	**0.42**	**12**	**0.056**	0.17	62	0.12	0.000019
	March		**23**	4.5	**0.081**	**0.00010**	458	**1607**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.5	60	0.11	0.00010
	April		**22**	4.3	**0.078**	**0.00011**	458	**1542**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.6	59	0.11	0.00016
	May		**23**	4.3	**0.079**	**0.00010**	457	**1530**	**0.029**	0.034	**0.36**	**11**	**0.048**	1.4	59	0.11	0.00014
	June		**23**	4.4	**0.081**	**0.00010**	458	**1583**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.5	59	0.11	0.00011
	July		**22**	4.3	**0.077**	**0.00011**	458	**1531**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.0	59	0.10	0.00018
	August		**22**	4.2	**0.077**	**0.00010**	458	**1502**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.8	58	0.10	0.00016
	September		**24**	4.5	**0.083**	**0.00011**	456	**1572**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	1.1	59	0.11	0.00012
	October		**24**	4.6	**0.084**	**0.00011**	457	**1603**	**0.031**	**0.035**	**0.39**	**11**	**0.051**	0.99	59	0.11	0.000081
	November		**25**	5.0	**0.088**	**0.00011**	455	**1716**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.49	62	0.12	0.000046
	December		**25**	5.2	**0.088**	**0.00010**	455	**1814**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	64	0.12	0.000021
	January	**2033**	**25**	4.8	**0.088**	**0.00010**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	February		**25**	4.7	**0.088**	**0.00010**	455	**1822**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	March		**25**	4.7	**0.088**	**0.00011**	455	**1822**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.26	65	0.12	0.000028
	April		**23**	4.1	**0.079**	**0.00011**	456	**1563**	**0.029**	0.034	**0.36**	**11**	**0.048**	3.8	59	0.11	0.00017
	May		**22**	3.8	**0.077**	**0.000099**	458	**1539**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.4	60	0.10	0.00017
	June		**22**	3.9	**0.077**	**0.00010**	457	**1533**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.7	59	0.10	0.00015
	July		**23**	4.1	**0.080**	**0.00010**	457	**1624**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.6	61	0.11	0.00013
	August		**22**	3.9	**0.078**	**0.00010**	458	**1535**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.1	59	0.11	0.00015
	September		**23**	4.0	**0.080**	**0.00010**	457	**1560**	**0.030**	0.034	**0.37**	**11**	**0.049**	1.7	59	0.11	0.00013
	October		**24**	4.2	**0.082**	**0.00011**	457	**1636**	**0.031**	**0.035**	**0.38**	**11**	**0.050**	1.4	61	0.11	0.00011
	November		**24**	4.3	**0.084**	**0.00011**	457	**1672**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	1.1	62	0.11	0.000092
	December		**25**	4.7	**0.088**	**0.00011**	455	**1809**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.22	64	0.12	0.000025
	January	**2034**	**25**	4.8	**0.088**	**0.00010**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	February		**25**	4.7	**0.087**	**0.00010**	456	**1817**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.25	64	0.12	0.000027
	March		**25**	4.5	**0.085**	**0.00010**	456	**1741**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.72	63	0.12	0.000061
	April		**23**	4.1	**0.079**	**0.00011**	458	**1606**	**0.029**	0.033	**0.36**	**11**	**0.048**	2.6	60	0.11	0.00014
	May		**23**	4.0	**0.079**	**0.000099**	458	**1574**	**0.029**	0.034	**0.36**	**11**	**0.048**	0.78	60	0.11	0.00012
	June		**22**	3.9	**0.077**	**0.00012**	456	**1466**	**0.028**	0.033	**0.35**	**10**	**0.047**	4.6	57	0.10	**0.00020**
	July		**22**	3.8	**0.077**	**0.00011**	456	**1383**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.7	55	0.10	**0.00023**
	August		**22**	3.7	**0.077**	**0.00010**	456	**1416**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.3	56	0.10	**0.00022**
	September		**22**	3.8	**0.077**	**0.00011**	457	**1544**	**0.028**	0.034	**0.35**	**10**	**0.047**	2.5	62	0.10	**0.00022**
	October		**22**	3.9	**0.078**	**0.000099**	457	**1560**	**0.029**	0.034	**0.36**	**10**	**0.048**	0.72	61	0.11	0.00015
	November		**24**	4.4	**0.084**	**0.00010**	456	**1691**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.57	63	0.11	0.000092
	December		**24**	4.5	**0.085**	**0.00010**	456	**1735**	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.58	63	0.11	0.000053
	January	**2035**	**25**	4.7	**0.088**	**0.00011**	455	**1814**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.21	64	0.12	0.000024
	February		**25**	4.7	**0.087**	**0.00011**	455	**1782**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.50	64	0.12	0.000046
	March		**25**	4.7	**0.088**	**0.00010**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	64	0.12	0.000022

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.038	0.13	7.6	**0.081**	0.19	**0.89**	0.0012	885	16	**2901**	1.1	0.030	**0.21**	0.015
	February		0.074	0.13	7.0	**0.084**	0.49	0.87	0.0012	886	15	**2903**	1.0	**0.041**	**0.21**	0.015
	March		0.079	0.13	6.8	**0.092**	0.70	0.86	0.0012	886	14	**2903**	0.99	**0.043**	**0.21**	0.015
	April		0.28	0.11	5.7	**0.14**	3.1	0.78	0.0011	890	13	**2918**	0.92	**0.11**	**0.19**	0.014
	May		0.25	0.12	5.9	**0.14**	2.6	0.80	0.0012	889	13	**2913**	0.92	**0.097**	**0.19**	0.014
	June	**2030**	0.31	0.11	5.5	**0.15**	3.5	0.78	0.0011	891	12	**2921**	0.91	**0.12**	**0.18**	0.014
	July		0.35	0.11	5.4	**0.16**	4.0	0.77	0.0012	889	12	**2912**	0.89	**0.13**	**0.18**	0.014
	August		0.31	0.11	5.5	**0.16**	3.5	0.77	0.0012	889	12	**2912**	0.90	**0.12**	**0.18**	0.014
	September		0.24	0.11	5.5	**0.16**	2.9	0.77	0.0011	888	12	**2911**	0.89	**0.095**	**0.18**	0.014
	October		0.22	0.11	5.7	**0.14**	2.3	0.78	0.0012	890	12	**2918**	0.91	**0.088**	**0.19**	0.014
	November		0.039	0.12	6.3	**0.11**	0.53	0.83	0.0012	887	13	**2906**	0.93	0.029	**0.20**	0.014
	December		0.069	0.13	6.9	**0.089**	0.55	0.87	0.0012	885	14	**2902**	1.0	**0.039**	**0.21**	0.015
	January		0.068	0.13	6.2	**0.086**	0.53	**0.89**	0.0013	885	13	**2899**	0.91	**0.038**	**0.22**	0.015
	February		0.040	0.14	6.1	**0.077**	0.17	**0.90**	0.0013	883	13	**2895**	0.89	0.028	**0.23**	0.016
	March		0.081	0.13	5.9	**0.085**	0.55	**0.88**	0.0013	886	12	**2903**	0.87	**0.042**	**0.22**	0.015
	April		0.29	0.12	5.1	**0.13**	2.8	0.82	0.0012	889	11	**2914**	0.83	**0.11**	**0.20**	0.014
	May		0.15	0.12	5.0	**0.12**	1.7	0.81	0.0012	890	11	**2916**	0.80	**0.065**	**0.20**	0.014
	June	**2031**	0.19	0.12	5.1	**0.12**	1.8	0.81	0.0012	889	11	**2912**	0.81	**0.078**	**0.20**	0.014
	July		0.19	0.12	5.1	**0.12**	2.0	0.82	0.0012	889	11	**2912**	0.81	**0.078**	**0.20**	0.015
	August		0.21	0.13	5.3	**0.13**	2.2	0.84	0.0013	887	12	**2906**	0.84	**0.083**	**0.21**	0.015
	September		0.23	0.12	5.1	**0.13**	2.4	0.82	0.0012	889	11	**2912**	0.82	**0.090**	**0.20**	0.015
	October		0.15	0.13	5.4	**0.11**	1.5	0.85	0.0013	886	12	**2905**	0.83	**0.064**	**0.21**	0.015
	November		0.047	0.14	5.9	**0.087**	0.45	**0.89**	0.0013	884	12	**2897**	0.86	**0.031**	**0.22**	0.016
	December		0.047	0.14	6.1	**0.078**	0.23	**0.90**	0.0013	884	13	**2895**	0.89	**0.031**	**0.22**	0.016
	January		0.048	0.14	6.4	**0.077**	0.24	**0.92**	0.0014	882	12	**2891**	0.84	**0.030**	**0.24**	0.016
	February		0.043	0.14	6.5	**0.074**	0.14	**0.93**	0.0014	882	12	**2891**	0.82	0.028	**0.24**	0.016
	March		0.17	0.13	5.5	**0.11**	1.5	0.84	0.0013	889	11	**2912**	0.78	**0.070**	**0.21**	0.015
	April		0.27	0.12	5.2	**0.13**	2.8	0.81	0.0012	889	10	**2913**	0.77	**0.10**	**0.20**	0.015
	May		0.15	0.12	5.2	**0.12**	1.4	0.82	0.0012	888	10	**2908**	0.75	**0.062**	**0.20**	0.015
	June	**2032**	0.17	0.13	5.4	**0.11**	1.6	0.84	0.0013	888	11	**2911**	0.77	**0.070**	**0.21**	0.015
	July		0.32	0.12	5.1	**0.14**	3.3	0.81	0.0012	889	10	**2915**	0.77	**0.12**	**0.20**	0.014
Operations	**August**		0.18	0.12	5.1	**0.12**	1.9	0.80	0.0012	890	10	**2915**	0.74	**0.074**	**0.20**	0.014
	September		0.12	0.13	5.6	**0.11**	1.2	0.86	0.0013	886	11	**2902**	0.77	**0.053**	**0.22**	0.015
	October		0.12	0.13	5.7	**0.096**	1.0	0.87	0.0013	887	11	**2906**	0.77	**0.052**	**0.22**	0.015
	November		0.065	0.14	6.2	**0.084**	0.50	**0.90**	0.0013	884	12	**2895**	0.82	**0.036**	**0.23**	0.016
	December		0.041	0.14	6.5	**0.076**	0.16	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	January		0.042	0.14	6.1	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.042	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.052	0.14	5.9	**0.078**	0.24	**0.91**	0.0013	884	12	**2896**	0.86	**0.031**	**0.23**	0.016
	April		0.41	0.12	4.9	**0.13**	4.1	0.83	0.0013	886	11	**2902**	0.78	**0.15**	**0.20**	0.015
	May		0.14	0.12	4.6	**0.13**	1.5	0.80	0.0012	889	10	**2912**	0.76	**0.059**	**0.20**	0.014
	June	**2033**	0.18	0.12	4.7	**0.12**	1.8	0.80	0.0012	888	10	**2909**	0.76	**0.074**	**0.20**	0.014
	July		0.16	0.13	5.0	**0.12**	1.7	0.84	0.0013	887	11	**2906**	0.79	**0.068**	**0.21**	0.015
	August		0.22	0.12	4.7	**0.13**	2.2	0.81	0.0012	889	10	**2914**	0.76	**0.086**	**0.20**	0.015
	September		0.18	0.13	4.9	**0.12**	1.8	0.83	0.0012	887	11	**2908**	0.77	**0.071**	**0.21**	0.015
	October		0.16	0.13	5.2	**0.11**	1.5	0.85	0.0013	887	11	**2905**	0.80	**0.066**	**0.21**	0.015
	November		0.11	0.13	5.3	**0.10**	1.1	0.87	0.0013	886	11	**2904**	0.81	**0.052**	**0.22**	0.015
	December		0.043	0.14	5.9	**0.077**	0.20	**0.91**	0.0013	883	12	**2894**	0.85	0.028	**0.23**	0.016
	January		0.042	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.052	0.14	5.9	**0.078**	0.23	**0.90**	0.0013	885	12	**2898**	0.86	**0.031**	**0.23**	0.016
	March		0.090	0.13	5.6	**0.090**	0.74	**0.88**	0.0013	885	12	**2901**	0.83	**0.044**	**0.22**	0.015
	April		0.29	0.12	5.0	**0.12**	2.8	0.82	0.0012	888	11	**2910**	0.79	**0.11**	**0.20**	0.015
	May		0.080	0.12	4.9	**0.11**	0.81	0.82	0.0012	888	11	**2910**	0.77	**0.040**	**0.21**	0.015
	June	**2034**	0.48	0.12	4.6	**0.14**	5.0	0.81	0.0012	886	9.9	**2902**	0.75	**0.17**	**0.20**	0.014
	July		0.39	0.12	4.4	**0.16**	4.1	0.80	0.0012	885	9.2	**2900**	0.71	**0.14**	**0.20**	0.014
	August		0.24	0.12	4.5	**0.16**	2.4	0.79	0.0012	885	9.5	**2900**	0.72	**0.094**	**0.20**	0.015
	September		0.25	0.12	4.6	**0.15**	2.7	0.80	0.0012	886	10	**2904**	0.78	**0.095**	**0.20**	0.015
	October		0.081	0.12	4.9	**0.12**	0.74	0.81	0.0012	888	11	**2909**	0.76	**0.040**	**0.20**	0.015
	November		0.074	0.13	5.4	**0.10**	0.58	0.87	0.0013	885	11	**2901**	0.81	**0.038**	**0.22**	0.015
	December		0.077	0.13	5.6	**0.087**	0.59	0.88	0.0013	884	12	**2898**	0.83	**0.039**	**0.22**	0.015
	January		0.045	0.14	5.9	**0.077**	0.19	**0.91**	0.0013	883	12	**2894**	0.86	0.029	**0.23**	0.016
	February	**2035**	0.071	0.14	5.8	**0.085**	0.51	**0.90**	0.0013	883	12	**2894**	0.85	**0.038**	**0.23**	0.016
	March		0.042	0.14	5.9	**0.076**	0.16	**0.91**	0.0013	884	12	**2895**	0.86	0.028	**0.23**	0.016

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**April**	**2035**	**23**	4.3	**0.081**	**0.00011**	457	**1705**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.9	63	0.11	0.00010
	May		**22**	3.8	**0.077**	**0.00010**	457	**1517**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.4	58	0.10	0.00016
	June		**22**	3.9	**0.078**	**0.00010**	458	**1553**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.1	60	0.11	0.00017
	July		**22**	3.9	**0.078**	**0.00010**	458	**1552**	**0.029**	0.034	**0.36**	**10**	**0.048**	2.2	60	0.11	0.00017
	August		**23**	3.9	**0.079**	**0.00010**	457	**1553**	**0.029**	0.034	**0.36**	**11**	**0.048**	2.0	60	0.11	0.00017
	September		**22**	3.9	**0.078**	**0.00010**	458	**1556**	**0.029**	0.033	**0.36**	**10**	**0.047**	1.7	60	0.11	0.00016
	October		**23**	4.1	**0.081**	**0.00010**	457	**1624**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.2	60	0.11	0.00010
	November		**25**	4.6	**0.087**	**0.00010**	455	**1761**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.43	63	0.12	0.000041
	December		**25**	4.7	**0.088**	**0.00011**	455	**1816**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	64	0.12	0.000022
	January	**2036**	**25**	4.8	**0.088**	**0.00011**	455	**1819**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	February		**25**	4.8	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	March		**25**	4.6	**0.085**	**0.00010**	456	**1772**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.58	64	0.12	0.000051
	April		**22**	4.0	**0.077**	**0.00011**	457	**1556**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.6	59	0.10	0.00017
	May		**22**	3.9	**0.077**	**0.00010**	457	**1560**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.6	60	0.10	0.00017
	June		**23**	4.1	**0.080**	**0.00011**	457	**1585**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.8	61	0.11	0.00015
	July		**22**	3.9	**0.078**	**0.00010**	458	**1573**	**0.029**	0.033	**0.36**	**10**	**0.047**	2.0	60	0.11	0.00016
	August		**23**	4.2	**0.081**	**0.00010**	456	**1683**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.2	62	0.11	0.000090
	September		**23**	4.1	**0.079**	**0.00010**	457	**1632**	**0.029**	0.034	**0.36**	**11**	**0.048**	1.5	61	0.11	0.00012
	October		**24**	4.2	**0.082**	**0.00010**	457	**1631**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.3	61	0.11	0.00011
	November		**25**	4.7	**0.088**	**0.00011**	455	**1757**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.39	63	0.12	0.000042
	December		**25**	4.8	**0.087**	**0.00010**	455	**1826**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.18	65	0.12	0.000022
	January	**2037**	**25**	4.6	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000021
	February		**24**	4.2	**0.084**	**0.00010**	456	**1721**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.80	63	0.11	0.000068
	March		**24**	4.3	**0.085**	**0.00010**	456	**1749**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.61	63	0.11	0.000053
	April		**22**	3.8	**0.078**	**0.00011**	457	**1576**	**0.029**	0.033	**0.36**	**10**	**0.047**	3.0	60	0.11	0.00018
	May		**22**	3.8	**0.078**	**0.000099**	456	**1592**	**0.029**	0.033	**0.36**	**10**	**0.048**	0.93	60	0.11	0.00012
	June		**22**	3.7	**0.078**	**0.00011**	458	**1569**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.2	60	0.11	0.00018
	July		**22**	3.7	**0.077**	**0.00011**	458	**1503**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.2	59	0.10	**0.00021**
	August		**22**	3.7	**0.078**	**0.00010**	458	**1582**	**0.029**	0.034	**0.36**	**10**	**0.047**	1.6	62	0.11	0.00017
	September		**22**	3.6	**0.077**	**0.00010**	458	**1517**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.0	59	0.10	0.00016
	October		**24**	4.1	**0.084**	**0.00010**	456	**1657**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.75	62	0.11	0.00010
	November		**25**	4.4	**0.087**	**0.00011**	456	**1806**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.33	64	0.12	0.000035
	December		**25**	4.5	**0.088**	**0.00010**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.19	64	0.12	0.000023
	January	**2038**	**25**	4.5	**0.088**	**0.00010**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000023
	February		**25**	4.5	**0.088**	**0.00011**	455	**1819**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	64	0.12	0.000025
	March		**23**	3.9	**0.079**	**0.00010**	458	**1606**	**0.029**	0.034	**0.36**	**11**	**0.048**	1.9	60	0.11	0.00013
	April		**22**	3.7	**0.077**	**0.00010**	458	**1526**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.6	59	0.10	0.00018
	May		**23**	3.8	**0.078**	**0.00010**	457	**1582**	**0.029**	0.034	**0.36**	**11**	**0.048**	1.3	60	0.11	0.00014
	June		**23**	4.0	**0.081**	**0.00011**	457	**1656**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.6	61	0.11	0.00011
	July		**22**	3.7	**0.078**	**0.00010**	458	**1551**	**0.029**	0.033	**0.36**	**10**	**0.048**	1.9	59	0.11	0.00015
	August		**23**	3.8	**0.078**	**0.00010**	457	**1596**	**0.029**	0.033	**0.36**	**10**	**0.048**	1.5	60	0.11	0.00013
	September		**23**	3.8	**0.079**	**0.00011**	458	**1597**	**0.029**	0.034	**0.36**	**11**	**0.048**	2.4	60	0.11	0.00015
	October		**22**	3.7	**0.078**	**0.00010**	458	**1528**	**0.029**	0.033	**0.36**	**10**	**0.047**	1.5	59	0.11	0.00015
	November		**25**	4.3	**0.086**	**0.00011**	455	**1723**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.58	63	0.12	0.000072
	December		**25**	4.5	**0.088**	**0.00011**	455	**1818**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.19	64	0.12	0.000026
	January	**2039**	**25**	4.5	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000026
	February		**24**	4.1	**0.082**	**0.00010**	457	**1653**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.1	61	0.11	0.000097
	March		**24**	4.2	**0.084**	**0.00010**	456	**1716**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.82	62	0.11	0.000075
	April		**24**	4.1	**0.083**	**0.00010**	456	**1694**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	1.0	62	0.11	0.000084
	May		**23**	3.9	**0.080**	**0.00010**	457	**1675**	**0.030**	0.033	**0.36**	**11**	**0.049**	1.1	61	0.11	0.000086
	June		**24**	4.1	**0.083**	**0.00011**	457	**1727**	**0.031**	**0.034**	**0.38**	**11**	**0.051**	1.3	63	0.11	0.000083
	July		**22**	3.7	**0.077**	**0.00010**	458	**1529**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.2	59	0.10	0.00017
	August		**22**	3.6	**0.077**	**0.00011**	457	**1496**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.6	59	0.10	**0.00022**
	September		**22**	3.7	**0.077**	**0.00010**	458	**1578**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.5	61	0.11	0.00016
	October		**23**	3.9	**0.081**	**0.00011**	457	**1599**	**0.030**	**0.035**	**0.37**	**11**	**0.050**	1.5	61	0.11	0.00015
	November		**24**	4.2	**0.085**	**0.00010**	456	**1683**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.75	61	0.11	0.000078
	December		**25**	4.5	**0.088**	**0.00011**	455	**1817**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.19	64	0.12	0.000028
	January	**2040**	**25**	4.7	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000028
	February		**25**	4.8	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000029
	March		**23**	4.1	**0.079**	**0.00011**	458	**1608**	**0.029**	0.033	**0.36**	**11**	**0.048**	2.4	60	0.11	0.00014
	April		**22**	3.9	**0.077**	**0.00010**	458	**1513**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.8	58	0.10	0.00015
	May		**22**	4.0	**0.078**	**0.00011**	458	**1557**	**0.029**	0.033	**0.36**	**10**	**0.047**	2.1	60	0.11	0.00016
	June		**22**	3.9	**0.078**	**0.00011**	458	**1533**	**0.029**	0.033	**0.36**	**10**	**0.047**	2.6	59	0.11	0.00018

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.22	0.13	5.2	**0.11**	2.0	0.85	0.0013	887	12	**2907**	0.83	**0.087**	**0.21**	0.015
	May		0.26	0.12	4.6	**0.13**	2.6	0.80	0.0012	888	10	**2909**	0.75	**0.099**	**0.20**	0.014
	June		0.21	0.12	4.7	**0.13**	2.2	0.81	0.0012	889	10	**2914**	0.77	**0.084**	**0.20**	0.015
	July		0.22	0.12	4.7	**0.13**	2.4	0.81	0.0012	889	10	**2914**	0.77	**0.087**	**0.20**	0.015
	August	**2035**	0.21	0.12	4.8	**0.13**	2.2	0.82	0.0012	887	10	**2908**	0.77	**0.082**	**0.20**	0.015
	September		0.18	0.12	4.7	**0.13**	1.8	0.81	0.0012	888	10	**2910**	0.77	**0.074**	**0.20**	0.015
	October		0.12	0.13	5.1	**0.11**	1.2	0.84	0.0013	887	11	**2905**	0.79	**0.055**	**0.21**	0.015
	November		0.055	0.14	5.7	**0.083**	0.43	**0.90**	0.0013	883	12	**2895**	0.84	**0.032**	**0.23**	0.016
	December		0.042	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2895**	0.86	0.028	**0.23**	0.016
	January		0.042	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.042	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.083	0.13	5.7	**0.087**	0.59	**0.88**	0.0013	885	12	**2899**	0.84	**0.041**	**0.22**	0.015
	April		0.39	0.12	4.8	**0.14**	3.9	0.81	0.0012	887	10	**2906**	0.78	**0.14**	**0.20**	0.014
	May		0.14	0.12	4.7	**0.13**	1.7	0.80	0.0012	887	11	**2907**	0.77	**0.061**	**0.20**	0.014
	June	**2036**	0.20	0.13	5.0	**0.12**	1.9	0.83	0.0013	888	11	**2909**	0.78	**0.081**	**0.21**	0.015
	July		0.20	0.12	4.8	**0.13**	2.1	0.81	0.0012	888	11	**2911**	0.78	**0.081**	**0.20**	0.015
	August		0.13	0.13	5.2	**0.10**	1.3	0.85	0.0012	885	11	**2901**	0.81	**0.058**	**0.21**	0.015
	September		0.16	0.12	5.0	**0.11**	1.6	0.83	0.0012	887	11	**2908**	0.80	**0.065**	**0.21**	0.015
	October		0.14	0.13	5.2	**0.11**	1.4	0.85	0.0013	886	11	**2905**	0.79	**0.060**	**0.21**	0.015
	November		0.054	0.14	5.8	**0.083**	0.39	**0.90**	0.0013	883	12	**2894**	0.83	**0.032**	**0.23**	0.016
	December		0.042	0.14	6.0	**0.076**	0.15	**0.90**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	January		0.042	0.14	5.8	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.10	0.13	5.3	**0.093**	0.83	0.87	0.0013	885	12	**2901**	0.82	**0.047**	**0.22**	0.015
	March		0.088	0.13	5.4	**0.087**	0.62	0.88	0.0013	884	12	**2897**	0.83	**0.043**	**0.22**	0.015
	April		0.31	0.12	4.5	**0.14**	3.2	0.82	0.0012	887	11	**2907**	0.79	**0.12**	**0.20**	0.015
	May		0.11	0.12	4.7	**0.11**	0.97	0.81	0.0012	886	11	**2903**	0.77	**0.049**	**0.20**	0.014
	June	**2037**	0.35	0.12	4.5	**0.14**	3.5	0.82	0.0012	888	11	**2911**	0.79	**0.13**	**0.20**	0.015
	July		0.33	0.12	4.4	**0.15**	3.4	0.80	0.0012	888	10	**2910**	0.76	**0.12**	**0.20**	0.015
	August		0.17	0.12	4.5	**0.13**	1.7	0.81	0.0012	889	11	**2913**	0.78	**0.069**	**0.20**	0.015
	September		0.21	0.12	4.4	**0.13**	2.2	0.80	0.0012	889	10	**2914**	0.75	**0.082**	**0.20**	0.014
	October		0.085	0.13	5.1	**0.10**	0.78	0.87	0.0013	885	11	**2900**	0.80	**0.042**	**0.22**	0.015
Operations	**November**		0.055	0.14	5.6	**0.081**	0.32	**0.90**	0.0013	884	12	**2897**	0.85	**0.032**	**0.23**	0.016
	December		0.042	0.14	5.7	**0.076**	0.17	**0.91**	0.0013	883	12	**2895**	0.86	0.028	**0.23**	0.016
	January		0.042	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.044	0.14	5.7	**0.076**	0.16	**0.91**	0.0013	883	12	**2894**	0.86	0.029	**0.23**	0.016
	March		0.22	0.12	4.7	**0.12**	2.0	0.82	0.0012	888	11	**2911**	0.79	**0.084**	**0.21**	0.015
	April		0.26	0.12	4.4	**0.13**	2.8	0.80	0.0012	888	10	**2910**	0.76	**0.099**	**0.20**	0.014
	May		0.15	0.12	4.7	**0.12**	1.4	0.82	0.0012	887	11	**2908**	0.77	**0.062**	**0.20**	0.015
	June		0.18	0.13	4.9	**0.11**	1.7	0.85	0.0013	886	11	**2903**	0.80	**0.074**	**0.21**	0.015
	July	**2038**	0.20	0.12	4.6	**0.12**	2.0	0.81	0.0012	889	10	**2913**	0.77	**0.079**	**0.20**	0.015
	August		0.16	0.12	4.6	**0.11**	1.6	0.82	0.0012	888	11	**2908**	0.78	**0.065**	**0.20**	0.015
	September		0.27	0.12	4.7	**0.13**	2.6	0.83	0.0012	889	11	**2912**	0.79	**0.10**	**0.20**	0.015
	October		0.15	0.12	4.5	**0.12**	1.6	0.81	0.0012	890	10	**2915**	0.75	**0.062**	**0.20**	0.015
	November		0.069	0.14	5.3	**0.092**	0.59	**0.89**	0.0013	884	12	**2896**	0.82	**0.037**	**0.22**	0.016
	December		0.042	0.14	5.7	**0.076**	0.16	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	January		0.043	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2892**	0.86	0.028	**0.23**	0.016
	February		0.13	0.13	5.0	**0.10**	1.2	0.85	0.0013	886	11	**2903**	0.80	**0.058**	**0.21**	0.015
	March		0.10	0.13	5.2	**0.093**	0.85	0.87	0.0013	885	12	**2899**	0.82	**0.047**	**0.22**	0.015
	April		0.13	0.13	5.1	**0.097**	1.1	0.86	0.0013	886	11	**2903**	0.81	**0.055**	**0.22**	0.015
	May		0.12	0.13	4.9	**0.098**	1.1	0.83	0.0012	887	11	**2908**	0.81	**0.052**	**0.21**	0.015
	June		0.16	0.13	5.1	**0.098**	1.4	0.86	0.0013	886	12	**2903**	0.83	**0.066**	**0.22**	0.015
	July	**2039**	0.22	0.12	4.5	**0.13**	2.3	0.80	0.0012	889	10	**2913**	0.76	**0.087**	**0.20**	0.014
	August		0.36	0.12	4.3	**0.15**	3.9	0.80	0.0012	887	10	**2905**	0.76	**0.13**	**0.20**	0.015
	September		0.15	0.12	4.5	**0.12**	1.6	0.81	0.0012	889	11	**2913**	0.78	**0.064**	**0.20**	0.014
	October		0.17	0.13	4.8	**0.12**	1.6	0.84	0.0013	886	11	**2905**	0.79	**0.069**	**0.21**	0.015
	November		0.085	0.13	5.2	**0.094**	0.78	0.88	0.0013	884	11	**2898**	0.81	**0.042**	**0.22**	0.015
	December		0.043	0.14	5.7	**0.076**	0.17	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	January		0.044	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	February		0.044	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.26	0.12	5.0	**0.12**	2.5	0.82	0.0012	888	11	**2911**	0.79	**0.098**	**0.20**	0.015
	April	**2040**	0.20	0.12	4.7	**0.12**	1.9	0.80	0.0012	890	10	**2915**	0.75	**0.077**	**0.20**	0.014
	May		0.23	0.12	4.8	**0.13**	2.3	0.81	0.0012	889	10	**2914**	0.77	**0.090**	**0.20**	0.015
	June		0.28	0.12	4.7	**0.13**	2.8	0.81	0.0012	889	10	**2913**	0.76	**0.11**	**0.20**	0.015

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**July**	**2040**	**22**	3.8	**0.077**	**0.00011**	457	**1479**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.0	58	0.10	**0.00022**
	August		**22**	3.9	**0.077**	**0.000099**	458	**1562**	**0.029**	0.033	**0.35**	**10**	**0.047**	0.88	60	0.11	0.00014
	September		**23**	4.2	**0.081**	**0.00010**	457	**1654**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.3	62	0.11	0.00011
	October		**23**	4.1	**0.080**	**0.00010**	456	**1630**	**0.030**	0.034	**0.37**	**11**	**0.049**	1.5	61	0.11	0.00013
	November		**25**	4.7	**0.087**	**0.00011**	455	**1767**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.36	63	0.12	0.000044
	December		**25**	4.8	**0.088**	**0.00011**	455	**1819**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000029
	January	**2041**	**25**	4.8	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000030
	February		**25**	4.8	**0.088**	**0.00011**	455	**1823**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000030
	March		**24**	4.6	**0.084**	**0.00011**	456	**1768**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.88	64	0.11	0.000065
	April		**23**	4.2	**0.080**	**0.00011**	456	**1581**	**0.030**	0.034	**0.36**	**11**	**0.049**	2.8	60	0.11	0.00015
	May		**22**	3.9	**0.077**	**0.000098**	457	**1591**	**0.029**	0.033	**0.35**	**10**	**0.047**	0.96	61	0.10	0.00015
	June		**23**	4.2	**0.082**	**0.00011**	457	**1640**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.6	61	0.11	0.00012
	July		**22**	4.0	**0.078**	**0.00011**	458	**1584**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.6	61	0.11	0.00017
	August		**22**	3.9	**0.077**	**0.00012**	456	**1394**	**0.028**	0.033	**0.35**	**10**	**0.047**	5.4	55	0.10	**0.00024**
	September		**22**	3.7	**0.077**	**0.00010**	456	**1439**	**0.028**	0.034	**0.35**	**10**	**0.047**	1.5	57	0.10	**0.00022**
	October		**22**	3.9	**0.076**	**0.00010**	458	**1552**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.2	61	0.10	0.00017
	November		**23**	4.2	**0.082**	**0.00010**	457	**1633**	**0.030**	**0.035**	**0.37**	**11**	**0.050**	0.34	62	0.11	0.00011
	December		**25**	4.8	**0.088**	**0.00011**	455	**1811**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000036
	January	**2042**	**25**	4.8	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000031
	February		**25**	4.8	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000031
	March		**25**	4.6	**0.086**	**0.00011**	456	**1761**	**0.032**	**0.036**	**0.39**	**12**	**0.052**	0.52	63	0.12	0.000056
	April		**23**	4.3	**0.080**	**0.00011**	456	**1662**	**0.030**	0.034	**0.37**	**11**	**0.049**	2.5	62	0.11	0.00014
	May		**22**	3.9	**0.078**	**0.000100**	458	**1579**	**0.029**	0.033	**0.36**	**10**	**0.048**	0.99	60	0.11	0.00014
	June		**22**	4.0	**0.078**	**0.00011**	457	**1539**	**0.029**	0.033	**0.36**	**10**	**0.048**	3.5	59	0.11	0.00019
	July		**22**	3.8	**0.077**	**0.00011**	457	**1469**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.9	58	0.10	**0.00023**
	August		**22**	3.8	**0.077**	**0.00011**	457	**1513**	**0.028**	0.034	**0.35**	**10**	**0.047**	3.0	60	0.10	**0.00023**
	September		**22**	3.9	**0.078**	**0.00011**	458	**1544**	**0.029**	0.034	**0.36**	**10**	**0.047**	2.6	60	0.11	0.00019
	October		**22**	3.9	**0.077**	**0.00010**	457	**1525**	**0.029**	0.034	**0.35**	**10**	**0.047**	2.2	60	0.10	**0.00021**
	November		**23**	4.2	**0.081**	**0.00010**	457	**1623**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.28	61	0.11	0.00010
	December		**25**	4.8	**0.088**	**0.00011**	455	**1810**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000035
	January	**2043**	**25**	4.8	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000032
	February		**25**	4.8	**0.088**	**0.00011**	455	**1824**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000032
	March		**25**	4.8	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000032
	April		**23**	4.4	**0.082**	**0.00011**	456	**1677**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	2.5	62	0.11	0.00012
	May		**22**	3.9	**0.077**	**0.00010**	458	**1571**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.7	60	0.10	0.00018
	June		**22**	3.9	**0.077**	**0.00011**	458	**1515**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.8	58	0.10	0.00019
	July		**22**	3.9	**0.077**	**0.00011**	458	**1515**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.0	59	0.10	**0.00020**
	August		**22**	3.8	**0.077**	**0.00011**	456	**1434**	**0.028**	0.034	**0.35**	**10**	**0.047**	3.2	57	0.10	**0.00024**
	September		**22**	3.8	**0.077**	**0.00011**	457	**1487**	**0.028**	0.034	**0.35**	**10**	**0.047**	3.5	59	0.10	**0.00023**
	October		**22**	3.8	**0.077**	**0.00011**	457	**1497**	**0.029**	0.034	**0.35**	**10**	**0.047**	2.0	59	0.11	**0.00021**
	November		**22**	3.9	**0.078**	**0.00010**	458	**1540**	**0.029**	0.034	**0.36**	**10**	**0.047**	1.0	60	0.11	0.00015
	December		**25**	4.5	**0.085**	**0.00010**	456	**1728**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.32	63	0.12	0.000077
	January	**2044**	**25**	4.7	**0.088**	**0.00011**	455	**1816**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.19	64	0.12	0.000035
	February		**25**	4.7	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000032
	March		**25**	4.7	**0.087**	**0.00011**	456	**1817**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.36	65	0.12	0.000039
	April		**22**	3.9	**0.077**	**0.00011**	458	**1543**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.3	59	0.10	0.00016
	May		**23**	4.0	**0.080**	**0.00010**	457	**1589**	**0.030**	0.034	**0.37**	**11**	**0.049**	1.4	60	0.11	0.00013
	June		**23**	4.2	**0.081**	**0.00011**	457	**1652**	**0.030**	0.034	**0.37**	**11**	**0.049**	1.4	61	0.11	0.00012
	July		**22**	3.9	**0.078**	**0.00011**	457	**1531**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.9	59	0.11	**0.00019**
	August		**22**	4.0	**0.078**	**0.00010**	457	**1595**	**0.029**	0.033	**0.36**	**10**	**0.048**	1.3	61	0.11	0.00015
	September		**23**	4.1	**0.080**	**0.00010**	456	**1605**	**0.030**	0.034	**0.37**	**11**	**0.049**	1.4	60	0.11	0.00012
	October		**24**	4.3	**0.083**	**0.00010**	456	**1701**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.95	62	0.11	0.000093
	November		**25**	4.6	**0.087**	**0.00011**	455	**1787**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.41	64	0.12	0.000050
	December		**25**	4.7	**0.087**	**0.00011**	455	**1807**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.23	64	0.12	0.000036
	January	**2045**	**25**	4.7	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	64	0.12	0.000032
	February		**25**	4.7	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000032
	March		**24**	4.6	**0.084**	**0.00011**	456	**1800**	**0.031**	**0.035**	**0.39**	**11**	**0.051**	1.3	65	0.11	0.000066
	April		**22**	3.8	**0.077**	**0.00010**	458	**1519**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.5	58	0.10	0.00016
	May		**22**	3.8	**0.077**	**0.00010**	458	**1528**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.9	59	0.10	0.00016
	June		**23**	4.0	**0.079**	**0.00011**	458	**1570**	**0.029**	0.034	**0.36**	**11**	**0.048**	2.2	60	0.11	0.00017
	July		**22**	3.8	**0.077**	**0.00010**	458	**1511**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.1	58	0.10	0.00017
	August		**23**	4.0	**0.080**	**0.00011**	457	**1571**	**0.030**	0.034	**0.36**	**11**	**0.049**	1.8	60	0.11	0.00015
	September		**23**	4.1	**0.081**	**0.00011**	458	**1608**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.5	60	0.11	0.00013

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.30	0.12	4.6	**0.15**	3.2	0.80	0.0012	886	9.9	**2905**	0.75	**0.11**	**0.20**	0.015
	August		0.10	0.12	4.9	**0.12**	0.92	0.81	0.0012	888	11	**2911**	0.76	**0.047**	**0.20**	0.015
	September		0.15	0.13	5.2	**0.11**	1.4	0.84	0.0013	886	11	**2904**	0.80	**0.061**	**0.21**	0.015
	October	**2040**	0.16	0.13	5.1	**0.12**	1.6	0.83	0.0012	886	11	**2903**	0.80	**0.067**	**0.21**	0.015
	November		0.055	0.14	5.8	**0.081**	0.36	**0.90**	0.0013	883	12	**2894**	0.84	**0.031**	**0.23**	0.016
	December		0.044	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2895**	0.86	0.028	**0.23**	0.016
	January		0.045	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.045	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.13	0.13	5.7	**0.090**	0.91	0.87	0.0013	886	12	**2902**	0.84	**0.055**	**0.22**	0.015
	April		0.30	0.13	5.0	**0.12**	3.0	0.83	0.0013	885	11	**2901**	0.78	**0.11**	**0.21**	0.015
	May		0.093	0.12	4.8	**0.12**	1.0	0.80	0.0012	886	11	**2905**	0.78	**0.044**	**0.20**	0.014
	June	**2041**	0.19	0.13	5.2	**0.11**	1.7	0.85	0.0013	887	11	**2906**	0.80	**0.075**	**0.21**	0.015
	July		0.28	0.12	4.8	**0.13**	2.8	0.82	0.0012	889	11	**2914**	0.79	**0.11**	**0.20**	0.015
	August		0.55	0.12	4.5	**0.16**	5.8	0.80	0.0012	885	9.3	**2900**	0.72	**0.19**	**0.20**	0.014
	September		0.15	0.12	4.5	**0.15**	1.6	0.79	0.0012	886	9.6	**2903**	0.73	**0.061**	**0.20**	0.015
	October		0.13	0.12	4.8	**0.12**	1.2	0.80	0.0012	889	10	**2912**	0.77	**0.057**	**0.20**	0.014
	November		0.049	0.13	5.2	**0.10**	0.33	0.84	0.0013	887	11	**2905**	0.79	0.029	**0.21**	0.015
	December		0.045	0.14	6.0	**0.078**	0.15	**0.91**	0.0013	883	12	**2894**	0.85	0.028	**0.23**	0.016
	January		0.045	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.045	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.080	0.14	5.8	**0.085**	0.53	**0.89**	0.0013	884	12	**2898**	0.84	**0.039**	**0.22**	0.016
	April		0.27	0.13	5.2	**0.12**	2.6	0.84	0.0013	885	11	**2902**	0.82	**0.10**	**0.21**	0.015
	May		0.10	0.12	4.9	**0.11**	1.0	0.81	0.0012	889	11	**2913**	0.77	**0.047**	**0.20**	0.015
	June	**2042**	0.39	0.12	4.8	**0.14**	3.8	0.82	0.0012	888	10	**2909**	0.77	**0.14**	**0.20**	0.015
	July		0.29	0.12	4.5	**0.16**	3.2	0.80	0.0012	886	9.8	**2903**	0.75	**0.11**	**0.20**	0.015
	August		0.31	0.12	4.6	**0.16**	3.2	0.80	0.0013	887	10	**2906**	0.77	**0.11**	**0.20**	0.015
	September		0.28	0.12	4.7	**0.13**	2.8	0.81	0.0013	888	10	**2910**	0.77	**0.11**	**0.20**	0.015
	October		0.21	0.12	4.7	**0.14**	2.4	0.80	0.0012	887	10	**2906**	0.77	**0.081**	**0.20**	0.015
	November		0.044	0.13	5.2	**0.097**	0.26	0.84	0.0013	887	11	**2907**	0.78	0.027	**0.21**	0.015
	December		0.045	0.14	6.0	**0.077**	0.15	**0.91**	0.0013	883	12	**2893**	0.85	0.028	**0.23**	0.016
	January		0.046	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
Operations	**February**		0.046	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.046	0.14	6.0	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	April		0.30	0.13	5.3	**0.11**	2.7	0.85	0.0013	885	11	**2899**	0.82	**0.11**	**0.21**	0.015
	May		0.16	0.12	4.7	**0.14**	1.8	0.80	0.0012	888	11	**2910**	0.78	**0.064**	**0.20**	0.014
	June	**2043**	0.30	0.12	4.6	**0.14**	3.0	0.80	0.0012	889	10	**2912**	0.76	**0.11**	**0.20**	0.014
	July		0.33	0.12	4.7	**0.14**	3.3	0.81	0.0012	888	10	**2910**	0.76	**0.12**	**0.20**	0.014
	August		0.33	0.12	4.5	**0.16**	3.5	0.80	0.0012	885	9.6	**2899**	0.73	**0.12**	**0.20**	0.015
	September		0.35	0.12	4.5	**0.15**	3.8	0.80	0.0013	887	10.0	**2906**	0.76	**0.13**	**0.20**	0.015
	October		0.21	0.12	4.6	**0.14**	2.2	0.80	0.0013	888	10	**2909**	0.75	**0.081**	**0.20**	0.015
	November		0.11	0.12	4.8	**0.12**	1.1	0.81	0.0012	890	10	**2915**	0.75	**0.049**	**0.20**	0.015
	December		0.058	0.13	5.6	**0.091**	0.31	**0.88**	0.0013	884	12	**2898**	0.82	**0.032**	**0.22**	0.016
	January		0.046	0.14	5.9	**0.077**	0.17	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	March		0.070	0.14	5.9	**0.079**	0.35	**0.90**	0.0013	884	12	**2898**	0.86	**0.036**	**0.23**	0.016
	April		0.24	0.12	4.7	**0.13**	2.4	0.80	0.0012	889	10	**2915**	0.76	**0.092**	**0.20**	0.014
	May		0.16	0.13	5.0	**0.11**	1.5	0.83	0.0013	887	11	**2907**	0.78	**0.066**	**0.21**	0.015
	June	**2044**	0.16	0.13	5.1	**0.11**	1.5	0.84	0.0013	887	11	**2906**	0.80	**0.066**	**0.21**	0.015
	July		0.30	0.12	4.7	**0.14**	3.1	0.81	0.0012	888	10	**2909**	0.77	**0.11**	**0.20**	0.015
	August		0.14	0.12	4.9	**0.12**	1.4	0.81	0.0012	888	11	**2909**	0.78	**0.059**	**0.20**	0.015
	September		0.16	0.13	5.0	**0.11**	1.5	0.83	0.0012	886	11	**2903**	0.78	**0.064**	**0.21**	0.015
	October		0.11	0.13	5.3	**0.099**	1.00	0.86	0.0013	885	12	**2900**	0.82	**0.048**	**0.22**	0.015
	November		0.062	0.14	5.7	**0.082**	0.41	**0.90**	0.0013	884	12	**2896**	0.85	**0.033**	**0.23**	0.016
	December		0.051	0.14	5.9	**0.077**	0.21	**0.90**	0.0013	883	12	**2895**	0.85	0.030	**0.23**	0.016
	January		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	February		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	March		0.18	0.13	5.7	**0.091**	1.4	**0.88**	0.0013	885	12	**2900**	0.86	**0.074**	**0.22**	0.015
	April		0.14	0.12	4.7	**0.12**	1.5	0.80	0.0012	889	10	**2913**	0.75	**0.058**	**0.20**	0.014
	May	**2045**	0.22	0.12	4.7	**0.12**	2.0	0.80	0.0012	889	10	**2914**	0.76	**0.083**	**0.20**	0.014
	June		0.24	0.12	4.8	**0.13**	2.4	0.82	0.0013	888	11	**2911**	0.78	**0.092**	**0.20**	0.015
	July		0.22	0.12	4.6	**0.13**	2.3	0.80	0.0012	889	10	**2914**	0.75	**0.084**	**0.20**	0.014
	August		0.19	0.13	4.9	**0.12**	1.9	0.83	0.0013	887	11	**2906**	0.77	**0.076**	**0.21**	0.015
	September		0.17	0.13	5.0	**0.11**	1.6	0.84	0.0013	888	11	**2910**	0.78	**0.068**	**0.21**	0.015

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	**23**	4.2	**0.081**	**0.00010**	457	**1690**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.2	62	0.11	0.00011
	November		**25**	4.5	**0.086**	**0.00011**	456	**1738**	**0.032**	**0.035**	**0.39**	**12**	**0.052**	0.60	63	0.12	0.000064
	December		**25**	4.7	**0.087**	**0.00011**	456	**1811**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.25	64	0.12	0.000037
	January	**2046**	**25**	4.6	**0.087**	**0.00011**	455	**1765**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.44	63	0.12	0.000052
	February		**25**	4.7	**0.088**	**0.00011**	455	**1822**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	65	0.12	0.000032
	March		**24**	4.3	**0.082**	**0.00011**	457	**1705**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.2	62	0.11	0.000092
	April		**23**	4.0	**0.079**	**0.00010**	457	**1589**	**0.029**	0.034	**0.36**	**11**	**0.048**	1.1	60	0.11	0.00012
	May		**23**	4.0	**0.078**	**0.00010**	458	**1595**	**0.029**	0.033	**0.36**	**11**	**0.048**	1.8	60	0.11	0.00014
	June		**23**	4.0	**0.080**	**0.00011**	458	**1566**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	2.3	60	0.11	0.00016
	July		**22**	3.8	**0.077**	**0.00011**	458	**1504**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.8	58	0.10	0.00019
	August		**22**	3.8	**0.077**	**0.00011**	457	**1511**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.0	59	0.10	**0.00021**
	September		**22**	3.8	**0.077**	**0.00011**	458	**1565**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.5	61	0.10	**0.00021**
	October		**22**	3.8	**0.077**	**0.00010**	458	**1515**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.8	58	0.10	0.00016
	November		**24**	4.1	**0.082**	**0.00010**	457	**1579**	**0.030**	**0.035**	**0.38**	**11**	**0.050**	0.70	60	0.11	0.00013
	December		**25**	4.7	**0.088**	**0.00011**	455	**1790**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.21	64	0.12	0.000043
	January	**2047**	**25**	4.7	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	64	0.12	0.000032
	February		**25**	4.7	**0.088**	**0.00011**	455	**1823**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000032
	March		**25**	4.6	**0.086**	**0.00011**	456	**1760**	**0.032**	**0.036**	**0.39**	**12**	**0.053**	0.46	63	0.12	0.000053
	April		**23**	4.2	**0.080**	**0.00011**	457	**1646**	**0.030**	0.034	**0.37**	**11**	**0.049**	2.3	61	0.11	0.00013
	May		**22**	3.8	**0.077**	**0.00010**	458	**1534**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.0	59	0.11	0.00017
	June		**23**	4.1	**0.081**	**0.00011**	456	**1622**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.4	61	0.11	0.00014
	July		**22**	3.9	**0.077**	**0.00011**	458	**1538**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.2	59	0.11	**0.00019**
	August		**22**	3.8	**0.077**	**0.00011**	457	**1497**	**0.028**	0.033	**0.35**	**10**	**0.047**	3.1	59	0.10	**0.00022**
	September		**22**	3.8	**0.077**	**0.00010**	458	**1538**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.9	59	0.10	0.00017
	October		**23**	4.0	**0.080**	**0.00010**	457	**1588**	**0.030**	**0.034**	**0.36**	**11**	**0.049**	1.1	61	0.11	0.00015
	November		**25**	4.5	**0.086**	**0.00011**	456	**1738**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.56	63	0.12	0.000067
	December		**25**	4.7	**0.088**	**0.00011**	455	**1808**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.24	64	0.12	0.000038
	January	**2048**	**25**	4.7	**0.088**	**0.00011**	455	**1814**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.27	65	0.12	0.000040
	February		**25**	4.7	**0.087**	**0.00011**	455	**1824**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.21	65	0.12	0.000037
	March		**25**	4.7	**0.088**	**0.00011**	455	**1821**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.18	65	0.12	0.000034
	April		**24**	4.3	**0.082**	**0.00011**	457	**1712**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.4	62	0.11	0.000098
	May		**24**	4.1	**0.082**	**0.00010**	456	**1609**	**0.030**	**0.034**	**0.38**	**11**	**0.050**	0.87	60	0.11	0.00011
	June		**23**	4.2	**0.081**	**0.00011**	457	**1662**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.3	62	0.11	0.00011
	July		**22**	3.9	**0.077**	**0.00012**	457	**1504**	**0.029**	0.033	**0.35**	**10**	**0.047**	5.0	58	0.10	**0.00021**
	August		**22**	3.7	**0.077**	**0.00011**	456	**1394**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.9	55	0.10	**0.00023**
	September		**22**	3.7	**0.077**	**0.00011**	456	**1421**	**0.028**	0.033	**0.35**	**10**	**0.047**	2.4	57	0.10	**0.00023**
	October		**22**	3.9	**0.078**	**0.00010**	458	**1574**	**0.029**	0.034	**0.36**	**10**	**0.047**	1.1	62	0.11	0.00018
	November		**24**	4.3	**0.084**	**0.00010**	456	**1692**	**0.031**	**0.035**	**0.39**	**11**	**0.051**	0.22	64	0.11	0.00010
	December		**25**	4.6	**0.087**	**0.00011**	455	**1784**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.47	64	0.12	0.000059
	January	**2049**	**24**	4.4	**0.083**	**0.00011**	457	**1689**	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.95	62	0.11	0.000089
	February		**25**	4.7	**0.088**	**0.00011**	455	**1801**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.22	64	0.12	0.000043
	March		**24**	4.6	**0.085**	**0.00011**	456	**1776**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	1.2	64	0.11	0.000071
	April		**23**	4.0	**0.080**	**0.00010**	458	**1623**	**0.030**	0.034	**0.36**	**11**	**0.049**	0.94	61	0.11	0.00013
	May		**23**	4.0	**0.079**	**0.00011**	457	**1611**	**0.029**	0.033	**0.36**	**11**	**0.048**	1.8	60	0.11	0.00014
	June		**22**	3.9	**0.077**	**0.00011**	458	**1524**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.3	59	0.10	0.00018
	July		**22**	3.8	**0.077**	**0.00011**	458	**1502**	**0.029**	0.033	**0.35**	**10**	**0.047**	3.7	59	0.10	**0.00023**
	August		**22**	3.8	**0.077**	**0.00011**	457	**1525**	**0.028**	0.034	**0.35**	**10**	**0.047**	3.0	60	0.10	**0.00023**
	September		**22**	3.8	**0.077**	**0.00011**	457	**1509**	**0.029**	0.034	**0.35**	**10**	**0.047**	3.1	60	0.11	**0.00022**
	October		**22**	3.8	**0.078**	**0.00011**	458	**1535**	**0.029**	0.034	**0.36**	**10**	**0.047**	2.2	61	0.11	**0.00022**
	November		**22**	3.8	**0.077**	**0.000099**	459	**1519**	**0.029**	0.033	**0.35**	**10**	**0.047**	0.93	59	0.10	0.00015
	December		**25**	4.5	**0.087**	**0.00011**	455	**1760**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.19	64	0.12	0.000061
	January	**2050**	**25**	4.6	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000039
	February		**25**	4.5	**0.088**	**0.00011**	455	**1824**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000039
	March		**25**	4.4	**0.087**	**0.00011**	456	**1779**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.41	64	0.12	0.000056
	April		**22**	3.8	**0.078**	**0.00011**	458	**1589**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.5	60	0.11	0.00017
	May		**23**	3.8	**0.081**	**0.00010**	458	**1599**	**0.030**	**0.034**	**0.37**	**11**	**0.049**	1.1	61	0.11	0.00014
	June		**23**	3.8	**0.078**	**0.00011**	457	**1576**	**0.029**	0.034	**0.36**	**11**	**0.048**	2.2	60	0.11	0.00017
	July		**24**	4.1	**0.082**	**0.00011**	457	**1689**	**0.031**	**0.035**	**0.38**	**11**	**0.050**	1.2	62	0.11	0.00011
	August		**24**	4.0	**0.082**	**0.00011**	457	**1610**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.3	60	0.11	0.00013
	September		**22**	3.8	**0.078**	**0.00011**	458	**1592**	**0.029**	0.033	**0.36**	**10**	**0.048**	2.2	61	0.11	0.00017
	October		**23**	3.9	**0.081**	**0.00010**	457	**1618**	**0.030**	**0.034**	**0.37**	**11**	**0.050**	1.0	61	0.11	0.00012
	November		**24**	4.2	**0.085**	**0.00011**	456	**1720**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.71	62	0.11	0.000080
	December		**25**	4.5	**0.088**	**0.00011**	455	**1804**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.24	64	0.12	0.000046

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.14	0.13	5.2	**0.10**	1.3	0.85	0.0013	888	11	**2909**	0.82	**0.058**	**0.21**	0.015
	November	**2045**	0.076	0.13	5.6	**0.088**	0.62	**0.89**	0.0013	885	12	**2899**	0.83	**0.038**	**0.22**	0.016
	December		0.051	0.14	5.8	**0.078**	0.23	**0.90**	0.0013	884	12	**2897**	0.85	0.030	**0.23**	0.016
	January		0.068	0.14	5.7	**0.083**	0.44	**0.90**	0.0013	883	12	**2894**	0.84	**0.035**	**0.23**	0.016
	February		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2895**	0.86	0.028	**0.23**	0.016
	March		0.16	0.13	5.3	**0.099**	1.3	0.85	0.0013	886	12	**2905**	0.82	**0.065**	**0.21**	0.015
	April		0.12	0.13	4.9	**0.11**	1.2	0.82	0.0012	887	11	**2905**	0.77	**0.053**	**0.21**	0.015
	May		0.21	0.12	4.9	**0.12**	1.9	0.82	0.0012	888	11	**2911**	0.78	**0.080**	**0.20**	0.015
	June		0.25	0.13	4.9	**0.12**	2.4	0.83	0.0013	888	11	**2910**	0.77	**0.095**	**0.21**	0.015
	July	**2046**	0.28	0.12	4.6	**0.14**	3.0	0.81	0.0012	890	10	**2915**	0.75	**0.11**	**0.20**	0.014
	August		0.32	0.12	4.5	**0.15**	3.3	0.80	0.0012	888	10	**2909**	0.76	**0.12**	**0.20**	0.015
	September		0.26	0.12	4.6	**0.14**	2.7	0.81	0.0012	889	11	**2913**	0.78	**0.098**	**0.20**	0.015
	October		0.20	0.12	4.6	**0.12**	2.0	0.80	0.0012	889	10	**2915**	0.75	**0.077**	**0.20**	0.014
	November		0.079	0.13	5.1	**0.11**	0.73	0.84	0.0013	886	11	**2904**	0.77	**0.039**	**0.21**	0.015
	December		0.048	0.14	5.8	**0.080**	0.20	**0.90**	0.0013	883	12	**2894**	0.85	0.029	**0.23**	0.016
	January		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	February		0.046	0.14	5.9	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.073	0.14	5.7	**0.084**	0.46	**0.89**	0.0013	884	12	**2898**	0.83	**0.037**	**0.22**	0.016
	April		0.27	0.13	5.1	**0.12**	2.4	0.84	0.0013	888	11	**2908**	0.81	**0.10**	**0.21**	0.015
	May		0.21	0.12	4.7	**0.13**	2.2	0.81	0.0012	889	10	**2912**	0.76	**0.081**	**0.20**	0.014
	June		0.15	0.13	5.0	**0.12**	1.5	0.84	0.0013	885	11	**2901**	0.79	**0.064**	**0.21**	0.015
	July	**2047**	0.34	0.12	4.6	**0.14**	3.4	0.81	0.0012	889	10	**2911**	0.77	**0.12**	**0.20**	0.015
	August		0.31	0.12	4.5	**0.15**	3.3	0.80	0.0012	886	10	**2904**	0.76	**0.11**	**0.20**	0.015
	September		0.20	0.12	4.7	**0.13**	2.0	0.80	0.0012	890	10	**2915**	0.76	**0.078**	**0.20**	0.014
	October		0.12	0.13	4.9	**0.12**	1.2	0.83	0.0013	887	11	**2905**	0.78	**0.053**	**0.21**	0.015
	November		0.076	0.13	5.6	**0.088**	0.57	**0.89**	0.0013	885	12	**2898**	0.83	**0.038**	**0.22**	0.016
	December		0.047	0.14	5.9	**0.078**	0.22	**0.91**	0.0013	883	12	**2895**	0.85	0.028	**0.23**	0.016
	January		0.056	0.14	5.9	**0.078**	0.25	**0.91**	0.0013	883	12	**2893**	0.86	**0.031**	**0.23**	0.016
	February		0.049	0.14	5.9	**0.077**	0.19	**0.90**	0.0013	884	12	**2897**	0.86	0.029	**0.23**	0.016
	March		0.046	0.14	5.9	**0.076**	0.16	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	April		0.18	0.13	5.3	**0.10**	1.5	0.85	0.0013	886	12	**2904**	0.83	**0.071**	**0.21**	0.015
Operations	**May**		0.097	0.13	5.1	**0.10**	0.90	0.85	0.0013	886	11	**2903**	0.78	**0.044**	**0.21**	0.015
	June		0.15	0.13	5.1	**0.11**	1.4	0.85	0.0013	886	11	**2904**	0.80	**0.063**	**0.21**	0.015
	July	**2048**	0.55	0.12	4.6	**0.15**	5.4	0.81	0.0012	887	10	**2907**	0.76	**0.19**	**0.20**	0.014
	August		0.28	0.12	4.4	**0.16**	3.1	0.79	0.0012	885	9.3	**2900**	0.71	**0.10**	**0.20**	0.015
	September		0.25	0.12	4.4	**0.15**	2.6	0.79	0.0012	885	9.5	**2899**	0.72	**0.095**	**0.20**	0.015
	October		0.12	0.12	4.7	**0.13**	1.2	0.81	0.0013	889	11	**2913**	0.78	**0.052**	**0.20**	0.015
	November		0.046	0.13	5.4	**0.099**	0.20	0.87	0.0013	885	11	**2899**	0.81	0.028	**0.22**	0.015
	December		0.073	0.14	5.8	**0.085**	0.48	**0.90**	0.0013	884	12	**2897**	0.85	**0.037**	**0.23**	0.016
	January		0.12	0.13	5.4	**0.096**	0.99	0.86	0.0013	886	11	**2903**	0.81	**0.052**	**0.22**	0.015
	February		0.047	0.14	5.9	**0.078**	0.20	**0.91**	0.0013	883	12	**2894**	0.85	0.028	**0.23**	0.016
	March		0.17	0.13	5.7	**0.091**	1.3	**0.88**	0.0013	885	12	**2900**	0.85	**0.070**	**0.22**	0.015
	April		0.097	0.13	5.0	**0.11**	0.98	0.83	0.0012	888	11	**2910**	0.79	**0.044**	**0.21**	0.015
	May		0.21	0.12	4.9	**0.11**	1.9	0.83	0.0012	887	11	**2907**	0.79	**0.081**	**0.21**	0.015
	June		0.24	0.12	4.7	**0.13**	2.5	0.81	0.0012	889	10	**2912**	0.76	**0.093**	**0.20**	0.014
	July	**2049**	0.39	0.12	4.5	**0.16**	4.0	0.81	0.0012	888	10	**2910**	0.76	**0.14**	**0.20**	0.015
	August		0.30	0.12	4.5	**0.15**	3.2	0.81	0.0013	887	10	**2906**	0.77	**0.11**	**0.20**	0.015
	September		0.33	0.12	4.6	**0.15**	3.4	0.81	0.0013	886	10	**2903**	0.76	**0.12**	**0.20**	0.015
	October		0.23	0.12	4.6	**0.14**	2.4	0.81	0.0013	888	10	**2910**	0.77	**0.088**	**0.20**	0.015
	November		0.095	0.12	4.7	**0.11**	0.98	0.80	0.0012	890	10	**2916**	0.74	**0.043**	**0.20**	0.014
	December		0.046	0.14	5.7	**0.084**	0.17	**0.90**	0.0013	883	12	**2894**	0.83	0.028	**0.23**	0.016
	January		0.047	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	February		0.047	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2894**	0.86	0.028	**0.23**	0.016
	March		0.070	0.14	5.5	**0.082**	0.40	**0.90**	0.0013	884	12	**2898**	0.84	**0.035**	**0.23**	0.016
	April		0.27	0.12	4.6	**0.13**	2.7	0.82	0.0012	888	11	**2910**	0.79	**0.10**	**0.20**	0.015
	May		0.13	0.13	4.8	**0.11**	1.1	0.84	0.0013	889	11	**2914**	0.78	**0.054**	**0.21**	0.015
	June		0.24	0.12	4.6	**0.13**	2.4	0.82	0.0012	887	11	**2908**	0.78	**0.091**	**0.20**	0.015
	July	**2050**	0.15	0.13	5.0	**0.10**	1.3	0.86	0.0013	886	11	**2905**	0.82	**0.061**	**0.21**	0.015
	August		0.14	0.13	4.9	**0.11**	1.4	0.85	0.0013	888	11	**2908**	0.78	**0.060**	**0.21**	0.015
	September		0.25	0.12	4.6	**0.13**	2.4	0.82	0.0012	889	11	**2912**	0.79	**0.095**	**0.20**	0.015
	October		0.11	0.13	4.9	**0.11**	1.1	0.84	0.0013	887	11	**2906**	0.78	**0.048**	**0.21**	0.015
	November		0.094	0.13	5.3	**0.091**	0.74	0.88	0.0013	885	12	**2900**	0.82	**0.043**	**0.22**	0.015
	December		0.048	0.14	5.6	**0.078**	0.23	**0.91**	0.0013	883	12	**2894**	0.85	0.028	**0.23**	0.016

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	**25**	4.5	**0.088**	**0.00011**	455	**1823**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000041
	February		**25**	4.5	**0.088**	**0.00011**	455	**1820**	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.17	65	0.12	0.000042
	March		**24**	4.3	**0.085**	**0.00011**	456	**1748**	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.72	63	0.11	0.000082
	April		**22**	3.8	**0.077**	**0.00012**	456	**1489**	**0.029**	0.033	**0.35**	**10**	**0.047**	5.2	57	0.10	**0.00020**
	May		**22**	3.5	**0.077**	**0.00010**	457	**1494**	**0.028**	0.034	**0.35**	**10**	**0.047**	1.5	59	0.10	**0.00023**
	June		**22**	3.6	**0.077**	**0.00010**	458	**1539**	**0.028**	0.033	**0.35**	**10**	**0.047**	1.7	60	0.10	0.00018
	July		**22**	3.7	**0.077**	**0.00011**	458	**1504**	**0.029**	0.033	**0.35**	**10**	**0.047**	2.9	59	0.10	**0.00020**
	August		**22**	3.6	**0.077**	**0.00011**	456	**1458**	**0.028**	0.034	**0.35**	**10**	**0.047**	3.2	58	0.10	**0.00025**
	September		**23**	3.7	**0.078**	**0.00011**	458	**1544**	**0.029**	**0.034**	**0.36**	**11**	**0.048**	1.9	61	0.11	**0.00020**
	October		**22**	3.6	**0.077**	**0.00010**	458	**1510**	**0.029**	0.033	**0.35**	**10**	**0.047**	1.5	58	0.10	0.00016
	November		**24**	4.0	**0.082**	**0.00011**	457	**1673**	**0.031**	**0.035**	**0.38**	**11**	**0.050**	0.91	63	0.11	0.00013
	December		**25**	4.3	**0.087**	**0.00011**	455	**1776**	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.48	64	0.12	0.000066
	January	**2052**	**13**	5.1	**0.045**	**0.000057**	457	**1650**	**0.017**	0.018	**0.21**	**6.0**	**0.028**	0.18	59	0.062	0.000041
	February		**11**	5.3	0.040	0.000050	458	**1608**	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.16	57	0.055	0.000040
	March		**11**	5.2	0.038	0.000049	457	**1619**	**0.014**	0.016	**0.18**	**5.2**	**0.023**	0.19	58	0.053	0.000042
	April		**7.9**	3.6	0.027	0.000047	456	**1327**	**0.010**	0.012	**0.13**	**3.7**	**0.017**	2.1	50	0.039	0.00014
	May		**7.8**	3.5	0.027	0.000046	456	**1310**	**0.010**	0.013	**0.12**	**3.7**	**0.017**	1.8	51	0.039	0.00015
	June		**7.8**	3.5	0.027	0.000044	456	**1424**	**0.010**	0.013	**0.12**	**3.7**	**0.017**	1.4	55	0.039	0.00015
	July		**7.8**	3.5	0.027	0.000051	456	**1205**	**0.010**	0.013	**0.12**	**3.7**	**0.017**	2.9	48	0.039	0.00018
	August		**7.8**	3.4	0.027	0.000045	456	**1240**	**0.010**	0.013	**0.12**	**3.7**	**0.017**	1.7	48	0.039	0.00017
	September		**7.8**	3.5	0.027	0.000042	455	**1430**	**0.010**	0.013	**0.12**	**3.7**	**0.017**	1.2	56	0.039	0.00016
	October		**8.8**	4.0	0.030	0.000045	457	**1560**	**0.011**	0.013	**0.14**	**4.1**	**0.019**	1.0	59	0.043	0.00012
	November		**11**	5.1	0.039	0.000050	458	**1588**	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.30	57	0.054	0.000051
	December		**11**	5.2	0.039	0.000050	457	**1609**	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.17	57	0.054	0.000041
		MINIMUM	**7.8**	3.4	0.027	0.000042	417	**1205**	**0.010**	0.012	**0.12**	**3.7**	**0.017**	0.16	48	0.039	0.000016
		MAXIMUM	**26**	8.1	**0.091**	**0.00012**	459	**2826**	**0.034**	**0.037**	**0.42**	**12**	**0.056**	5.4	99	0.12	**0.00025**
		AVERAGE	**23**	4.3	**0.079**	**0.00010**	456	**1689**	**0.029**	0.033	**0.36**	**11**	**0.048**	1.4	63	0.11	0.00012
Decommissioning	**January**	**2053**	**0.97**	6.5	0.0035	0.0000069	691	**2330**	0.0013	0.0014	0.015	**0.48**	0.0021	0.20	82	0.0073	0.000034
	February		0.0013	6.6	0.000069	0.0000024	753	**2520**	0.0000070	0.000038	0.000042	0.023	0.000041	0.21	88	0.0029	0.000027
	March		0.0013	6.4	0.00013	0.0000065	733	**2451**	0.000010	0.00019	0.00013	0.023	0.000052	0.84	86	0.0029	0.000041
	April		0.0013	5.6	0.00031	0.000017	502	**1676**	0.000028	0.0017	0.00069	0.020	0.000067	2.8	63	0.0032	0.00018
	May		0.0013	5.6	0.00021	0.000012	541	**1806**	0.000025	0.0019	0.00068	0.020	0.000053	1.8	69	0.0034	0.00017
	June		0.0013	5.8	0.00017	0.0000092	647	**2162**	0.000020	0.0014	0.00051	0.022	0.000052	1.3	80	0.0034	0.00014
	July		0.0013	5.6	0.00023	0.000013	605	**2020**	0.000023	0.0014	0.00056	0.021	0.000060	2.1	75	0.0033	0.00016
	August		0.0015	5.5	0.00033	0.000019	593	**1979**	0.000026	0.0014	0.00064	0.021	0.000079	3.2	74	0.0033	0.00016
	September		0.0012	5.0	0.00032	0.000017	453	**1513**	0.000031	0.0020	0.00079	0.019	0.000064	2.9	59	0.0032	**0.00021**
	October		0.0013	5.1	0.00021	0.000012	529	**1765**	0.000025	0.0020	0.00072	0.020	0.000051	1.7	68	0.0034	0.00018
	November		0.0012	5.2	0.00014	0.0000076	632	**2110**	0.000019	0.0015	0.00053	0.021	0.000046	1.0	79	0.0034	0.00014
	December		0.0013	5.4	0.000068	0.0000024	746	**2497**	0.0000070	0.000047	0.000044	0.023	0.000041	0.26	88	0.0029	0.000039
	January	**2054**	0.0010	5.4	0.000063	0.0000021	757	**2534**	0.0000063	0.000033	0.000034	0.023	0.000041	0.21	89	0.0029	0.000023
	February		0.00096	5.2	0.000061	0.0000021	757	**2532**	0.0000061	0.000031	0.000031	0.022	0.000041	0.21	88	0.0029	0.000020
	March		0.00094	5.1	0.000085	0.0000036	733	**2451**	0.0000086	0.00025	0.00011	0.022	0.000043	0.46	86	0.0029	0.000038
	April		0.0010	4.7	0.00027	0.000015	608	**2031**	0.000021	0.00098	0.00045	0.020	0.000069	2.5	74	0.0030	0.00011
	May		0.0011	4.4	0.00024	0.000013	507	**1695**	0.000025	0.0018	0.00067	0.019	0.000056	2.1	65	0.0033	0.00018
	June		0.0010	4.5	0.00019	0.000010	609	**2036**	0.000022	0.0017	0.00061	0.021	0.000052	1.5	77	0.0034	0.00016
	July		0.00098	4.3	0.00024	0.000013	581	**1942**	0.000023	0.0015	0.00059	0.020	0.000061	2.2	73	0.0033	0.00016
	August		0.0012	4.1	0.00038	0.000022	481	**1606**	0.000032	0.0019	0.00080	0.019	0.000080	3.7	62	0.0032	**0.00021**
	September		0.0010	4.0	0.00022	0.000012	525	**1753**	0.000025	0.0019	0.00070	0.019	0.000054	1.9	67	0.0034	0.00018
	October		0.0010	4.0	0.00019	0.000011	588	**1963**	0.000023	0.0019	0.00067	0.020	0.000052	1.6	75	0.0035	0.00017
	November		0.00098	4.1	0.00016	0.0000083	653	**2183**	0.000016	0.00096	0.00037	0.021	0.000052	1.4	80	0.0032	0.00012
	December		0.00096	4.1	0.000061	0.0000021	746	**2498**	0.0000061	0.000036	0.000033	0.022	0.000041	0.32	88	0.0029	0.000030
	January	**2055**	0.00092	4.0	0.000059	0.0000019	754	**2523**	0.0000062	0.000064	0.000041	0.022	0.000040	0.22	88	0.0029	0.000020
	February		0.00092	3.9	0.000057	0.0000018	755	**2526**	0.0000059	0.000040	0.000032	0.022	0.000040	0.21	88	0.0029	0.000018
	March		0.00092	3.8	0.000057	0.0000018	756	**2529**	0.0000058	0.000029	0.000030	0.022	0.000040	0.21	88	0.0029	0.000017
	April		0.00082	3.5	0.000095	0.0000052	652	**2178**	0.000018	0.0017	0.00056	0.020	0.000040	0.44	80	0.0034	0.00010
	May		0.00079	3.3	0.000091	0.0000054	633	**2114**	0.000020	0.0021	0.00067	0.020	0.000037	0.30	81	0.0036	0.00014
	June		0.00081	3.3	0.000098	0.0000058	643	**2147**	0.000021	0.0021	0.00069	0.020	0.000039	0.36	82	0.0036	0.00014
	July		0.00087	3.0	0.00010	0.0000067	572	**1910**	0.000025	0.0027	0.00088	0.018	0.000036	0.38	75	0.0038	0.00017
	August		0.00082	3.0	0.00010	0.0000066	604	**2016**	0.000025	0.0028	0.00089	0.019	0.000036	0.28	79	0.0039	0.00018
	September		0.00087	2.9	0.000094	0.0000058	649	**2165**	0.000022	0.0023	0.00075	0.020	0.000037	0.27	83	0.0038	0.00016
	October		0.00079	2.8	0.000090	0.0000055	649	**2166**	0.000021	0.0022	0.00069	0.020	0.000037	0.25	83	0.0037	0.00015
	November		0.00085	2.8	0.000067	0.0000029	703	**2349**	0.000010	0.00066	0.00023	0.021	0.000039	0.22	85	0.0031	0.000073
	December		0.00092	2.8	0.000057	0.0000018	752	**2516**	0.0000059	0.000032	0.000031	0.022	0.000040	0.21	88	0.0029	0.000021

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.047	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2895**	0.86	0.028	**0.23**	0.016
	February		0.047	0.14	5.7	**0.076**	0.15	**0.91**	0.0013	883	12	**2893**	0.86	0.028	**0.23**	0.016
	March		0.099	0.13	5.3	**0.091**	0.74	**0.88**	0.0013	886	12	**2902**	0.83	**0.045**	**0.22**	0.016
	April		0.56	0.12	4.4	**0.14**	5.6	0.81	0.0012	885	10	**2900**	0.76	**0.20**	**0.20**	0.014
	May		0.15	0.12	4.3	**0.15**	1.5	0.80	0.0012	886	10	**2904**	0.75	**0.062**	**0.20**	0.015
	June		0.19	0.12	4.4	**0.13**	1.8	0.80	0.0012	889	10	**2913**	0.76	**0.075**	**0.20**	0.014
	July		0.31	0.12	4.4	**0.14**	3.1	0.81	0.0012	889	10	**2914**	0.75	**0.11**	**0.20**	0.015
	August		0.33	0.12	4.3	**0.16**	3.5	0.80	0.0013	886	9.8	**2903**	0.74	**0.12**	**0.20**	0.015
	September		0.20	0.12	4.5	**0.13**	2.0	0.82	0.0013	888	10	**2910**	0.77	**0.077**	**0.20**	0.015
	October		0.16	0.12	4.5	**0.12**	1.6	0.80	0.0012	889	10	**2912**	0.74	**0.066**	**0.20**	0.014
	November		0.11	0.13	5.0	**0.11**	0.95	0.86	0.0013	887	11	**2906**	0.81	**0.050**	**0.21**	0.015
	December		0.065	0.14	5.4	**0.085**	0.48	**0.89**	0.0013	884	12	**2896**	0.84	**0.034**	**0.23**	0.016
	January	**2052**	0.028	0.071	6.4	**0.076**	0.16	0.53	0.00069	888	11	**2909**	0.78	0.020	**0.12**	0.0086
	February		0.026	0.062	6.6	**0.076**	0.13	0.49	0.00061	888	11	**2911**	0.76	0.019	**0.10**	0.0077
	March		0.030	0.060	6.5	**0.076**	0.17	0.48	0.00059	888	11	**2909**	0.76	0.021	**0.100**	0.0075
	April		0.22	0.043	4.5	**0.12**	2.2	0.37	0.00048	885	8.9	**2900**	0.66	**0.082**	**0.071**	0.0059
	May		0.19	0.043	4.3	**0.12**	2.0	0.37	0.00048	885	8.8	**2900**	0.65	**0.073**	**0.071**	0.0060
	June		0.14	0.043	4.4	**0.12**	1.5	0.38	0.00049	886	9.6	**2903**	0.70	**0.056**	**0.071**	0.0061
	July		0.30	0.043	4.2	**0.13**	3.1	0.37	0.00050	885	8.1	**2901**	0.61	**0.11**	**0.071**	0.0060
	August		0.18	0.043	4.2	**0.12**	1.9	0.37	0.00049	885	8.3	**2901**	0.62	**0.068**	**0.071**	0.0060
	September		0.11	0.043	4.4	**0.12**	1.2	0.38	0.00049	884	9.7	**2897**	0.70	**0.046**	**0.071**	0.0061
	October		0.10	0.048	5.0	**0.11**	1.1	0.41	0.00051	887	11	**2906**	0.76	**0.045**	**0.079**	0.0065
	November		0.033	0.062	6.4	**0.080**	0.29	0.48	0.00060	888	11	**2910**	0.75	0.022	**0.10**	0.0076
	December		0.027	0.062	6.6	**0.076**	0.15	0.48	0.00060	888	11	**2909**	0.76	0.020	**0.10**	0.0076
		MINIMUM	0.026	0.043	4.2	**0.074**	0.13	0.37	0.00048	809	8.1	**2650**	0.61	0.019	**0.071**	0.0059
		MAXIMUM	0.56	0.14	9.8	**0.16**	5.8	**0.93**	0.0014	891	19	**2921**	1.3	**0.20**	**0.24**	0.016
		AVERAGE	0.16	0.12	5.3	**0.11**	1.5	0.83	0.0012	886	11	**2903**	0.82	**0.065**	**0.21**	0.015
Decommissioning	**January**	**2053**	0.0072	0.0054	8.3	**0.071**	0.19	0.25	0.000064	447	16	634	1.1	0.019	0.0088	0.0020
	February		0.0042	0.000066	8.4	**0.069**	0.19	0.22	0.000011	333	17	40	1.2	0.019	0.000013	0.0014
	March		0.087	0.00014	8.2	**0.075**	0.87	0.22	0.000020	317	17	18	1.2	**0.045**	0.000041	0.0015
	April		0.26	0.00077	7.0	**0.13**	3.0	0.18	0.000089	213	11	87	0.83	**0.099**	0.00011	0.0017
	May		0.15	0.00081	7.0	**0.12**	1.9	0.19	0.000090	230	12	89	0.89	**0.063**	0.000070	0.0018
	June		0.10	0.00061	7.4	**0.11**	1.4	0.21	0.000069	277	15	73	1.0	**0.050**	0.000054	0.0018
	July		0.18	0.00065	7.1	**0.12**	2.2	0.20	0.000075	258	14	79	0.98	**0.074**	0.000079	0.0017
	August		0.31	0.00067	6.9	**0.13**	3.4	0.20	0.000080	253	13	83	0.97	**0.12**	0.00012	0.0017
	September		0.25	0.00089	6.2	**0.15**	3.1	0.17	0.00010	191	10	103	0.77	**0.096**	0.00011	0.0018
	October		0.13	0.00087	6.4	**0.13**	1.8	0.18	0.000096	225	12	95	0.87	**0.059**	0.000067	0.0018
	November		0.064	0.00066	6.6	**0.11**	1.1	0.21	0.000073	270	14	77	1.0	**0.037**	0.000041	0.0018
	December		0.0042	0.000069	7.0	**0.074**	0.24	0.22	0.000011	322	17	16	1.2	0.019	0.000013	0.0014
	January	**2054**	0.0035	0.000061	6.9	**0.069**	0.19	0.22	0.0000092	327	17	7.0	1.2	0.019	0.000011	0.0014
	February		0.0033	0.000060	6.7	**0.069**	0.19	0.22	0.0000087	327	17	5.9	1.2	0.019	0.000011	0.0014
	March		0.028	0.00015	6.5	**0.076**	0.46	0.22	0.000019	316	17	16	1.2	0.027	0.000020	0.0015
	April		0.25	0.00047	6.0	**0.11**	2.7	0.20	0.000057	260	14	53	0.98	**0.097**	0.000099	0.0016
	May		0.18	0.00079	5.4	**0.13**	2.2	0.18	0.000088	215	11	89	0.84	**0.072**	0.000080	0.0017
	June		0.12	0.00074	5.7	**0.12**	1.6	0.20	0.000081	260	14	83	0.99	**0.056**	0.000059	0.0018
	July		0.19	0.00068	5.5	**0.12**	2.4	0.19	0.000077	248	13	81	0.95	**0.078**	0.000082	0.0017
	August		0.36	0.00086	5.0	**0.14**	4.0	0.18	0.000100	203	11	103	0.81	**0.13**	0.00014	0.0018
	September		0.15	0.00084	5.0	**0.13**	2.0	0.18	0.000092	223	12	92	0.87	**0.065**	0.000073	0.0018
	October		0.12	0.00081	5.1	**0.12**	1.7	0.20	0.000088	251	13	90	0.96	**0.056**	0.000061	0.0018
	November		0.10	0.00045	5.2	**0.11**	1.5	0.21	0.000051	280	15	59	1.0	**0.051**	0.000050	0.0016
	December		0.0035	0.000062	5.3	**0.073**	0.31	0.22	0.0000089	322	17	12	1.2	0.019	0.000011	0.0014
	January	**2055**	0.0029	0.000073	5.2	**0.070**	0.20	0.22	0.0000090	326	17	7.0	1.2	0.019	0.0000096	0.0014
	February		0.0026	0.000063	5.1	**0.070**	0.19	0.22	0.0000077	326	17	6.2	1.2	0.019	0.0000090	0.0014
	March		0.0025	0.000058	4.9	**0.069**	0.19	0.22	0.0000072	326	17	5.4	1.2	0.019	0.0000089	0.0014
	April		0.023	0.00072	4.5	**0.094**	0.44	0.20	0.000075	280	15	59	1.0	0.026	0.000023	0.0018
	May		0.0083	0.00087	4.3	**0.11**	0.28	0.20	0.000089	271	14	86	1.0	0.020	0.000020	0.0019
	June		0.017	0.00090	4.2	**0.11**	0.34	0.20	0.000093	275	15	88	1.0	0.023	0.000023	0.0019
	July		0.015	0.0011	3.9	**0.12**	0.37	0.19	0.00012	244	13	105	0.93	0.022	0.000025	0.0020
	August		0.0087	0.0012	3.8	**0.12**	0.26	0.20	0.00012	258	14	111	0.98	0.020	0.000024	0.0021
	September		0.0064	0.00097	3.8	**0.12**	0.24	0.20	0.000100	277	15	98	1.0	0.019	0.000021	0.0020
	October		0.0058	0.00091	3.7	**0.11**	0.23	0.20	0.000093	278	15	89	1.0	0.019	0.000020	0.0019
	November		0.0035	0.00031	3.7	**0.087**	0.20	0.22	0.000033	302	16	42	1.1	0.019	0.000012	0.0016
	December		0.0025	0.000059	3.7	**0.071**	0.19	0.22	0.0000073	325	17	8.2	1.2	0.019	0.0000089	0.0014

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.00074	2.7	0.000054	0.0000016	755	**2528**	0.0000056	0.000025	0.000022	0.022	0.000040	0.21	88	0.0029	0.000014
	February		0.00069	2.6	0.000053	0.0000015	756	**2531**	0.0000055	0.000024	0.000021	0.022	0.000040	0.21	88	0.0028	0.000013
	March		0.00061	2.4	0.000077	0.0000042	678	**2268**	0.000016	0.0015	0.00049	0.020	0.000038	0.26	83	0.0034	0.000091
	April		0.00064	2.3	0.000071	0.0000036	680	**2275**	0.000013	0.0012	0.00038	0.021	0.000038	0.24	84	0.0033	0.000092
	May		0.00063	2.2	0.000069	0.0000033	704	**2354**	0.000012	0.0010	0.00033	0.021	0.000039	0.24	85	0.0032	0.000072
	June		0.00063	2.1	0.000071	0.0000036	695	**2324**	0.000013	0.0012	0.00038	0.021	0.000039	0.24	85	0.0033	0.000089
	July		0.00061	1.9	0.000086	0.0000052	649	**2168**	0.000020	0.0021	0.00067	0.020	0.000037	0.26	82	0.0036	0.00013
	August		0.00061	1.8	0.000088	0.0000054	633	**2114**	0.000020	0.0022	0.00070	0.019	0.000037	0.27	81	0.0036	0.00014
	September		0.00058	1.6	0.000097	0.0000065	606	**2023**	0.000025	0.0029	0.00091	0.019	0.000035	0.25	79	0.0039	0.00018
	October		0.00061	1.6	0.000086	0.0000053	657	**2195**	0.000021	0.0022	0.00071	0.020	0.000037	0.22	84	0.0037	0.00015
	November		0.00065	1.5	0.000060	0.0000024	720	**2409**	0.0000089	0.00052	0.00017	0.022	0.000039	0.21	87	0.0030	0.000064
	December		0.00068	1.4	0.000053	0.0000015	754	**2524**	0.0000055	0.000024	0.000021	0.022	0.000040	0.21	88	0.0028	0.000015
	January	**2057**	0.00039	1.3	0.000046	0.0000012	755	**2528**	0.0000047	0.000014	0.000010	0.021	0.000040	0.21	88	0.0028	0.0000076
	February		0.00031	1.2	0.000044	0.0000011	755	**2529**	0.0000045	0.000011	0.0000069	0.021	0.000040	0.21	88	0.0028	0.0000047
	March		0.00030	1.1	0.000044	0.0000011	755	**2528**	0.0000045	0.000011	0.0000068	0.021	0.000040	0.21	88	0.0028	0.0000046
	April		0.00028	0.96	0.000073	0.0000042	684	**2286**	0.000017	0.0018	0.00056	0.020	0.000037	0.25	85	0.0035	0.000097
	May		0.00028	0.86	0.000063	0.0000033	692	**2312**	0.000013	0.0013	0.00040	0.020	0.000038	0.22	85	0.0033	0.000097
	June		0.00029	0.77	0.000055	0.0000023	734	**2458**	0.0000093	0.00069	0.00022	0.021	0.000039	0.22	88	0.0031	0.000044
	July		0.00027	0.64	0.000080	0.0000050	667	**2230**	0.000020	0.0022	0.00069	0.019	0.000037	0.25	84	0.0037	0.00013
	August		0.00027	0.52	0.000082	0.0000052	662	**2210**	0.000021	0.0024	0.00075	0.019	0.000037	0.24	85	0.0038	0.00015
	September		0.00028	0.42	0.000080	0.0000050	668	**2232**	0.000021	0.0023	0.00072	0.020	0.000037	0.22	85	0.0038	0.00015
	October		0.00028	0.32	0.000057	0.0000026	711	**2378**	0.000011	0.00089	0.00028	0.021	0.000038	0.22	87	0.0032	0.000077
	November		0.00030	0.22	0.000048	0.0000016	739	**2475**	0.0000065	0.00030	0.000095	0.021	0.000039	0.21	88	0.0029	0.000029
	December		0.00030	0.11	0.000044	0.0000011	754	**2524**	0.0000047	0.000031	0.000013	0.021	0.000040	0.21	88	0.0028	0.0000072
		MINIMUM	0.00027	0.11	0.000044	0.0000011	453	**1513**	0.0000045	0.000011	0.0000068	0.018	0.000035	0.20	59	0.0028	0.0000046
		MAXIMUM	**0.97**	6.6	0.0035	0.000022	757	**2534**	0.0013	0.0029	0.015	**0.48**	0.0021	3.7	89	0.0073	**0.00021**
		AVERAGE	0.017	3.2	0.00017	0.0000061	666	**2227**	0.000036	0.0012	0.00067	0.028	0.000079	0.75	81	0.0033	0.000099

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-11: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - Trea

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.0020	0.000054	3.6	**0.069**	0.19	0.22	0.0000060	326	17	4.6	1.2	0.019	0.0000076	0.0014
	February		0.0018	0.000053	3.4	**0.069**	0.19	0.22	0.0000056	327	17	4.0	1.2	0.019	0.0000073	0.0014
	March		0.0060	0.00065	3.1	**0.093**	0.24	0.21	0.000066	292	15	54	1.1	0.020	0.000016	0.0018
	April		0.0044	0.00052	3.0	**0.094**	0.22	0.21	0.000052	292	15	55	1.1	0.019	0.000014	0.0017
	May		0.0043	0.00045	2.9	**0.088**	0.22	0.21	0.000046	303	16	42	1.1	0.019	0.000013	0.0017
	June		0.0041	0.00051	2.7	**0.094**	0.22	0.21	0.000052	299	16	53	1.1	0.019	0.000013	0.0017
	July		0.0065	0.00088	2.5	**0.11**	0.24	0.20	0.000090	278	15	80	1.0	0.019	0.000019	0.0019
	August		0.0073	0.00092	2.4	**0.11**	0.24	0.20	0.000093	271	14	89	1.0	0.020	0.000020	0.0019
	September		0.0057	0.0012	2.2	**0.12**	0.23	0.19	0.00012	259	14	110	0.98	0.019	0.000023	0.0021
	October		0.0028	0.00094	2.1	**0.12**	0.20	0.20	0.000095	281	15	95	1.1	0.018	0.000019	0.0020
	November		0.0018	0.00025	2.1	**0.087**	0.19	0.22	0.000026	310	16	37	1.1	0.019	0.0000099	0.0015
	December		0.0018	0.000053	2.0	**0.070**	0.19	0.22	0.0000056	326	17	5.7	1.2	0.019	0.0000073	0.0014
	January	**2057**	0.00091	0.000046	1.9	**0.069**	0.19	0.22	0.0000030	326	17	2.6	1.2	0.019	0.0000047	0.0014
	February		0.00066	0.000044	1.8	**0.069**	0.19	0.22	0.0000022	327	17	1.7	1.2	0.019	0.0000040	0.0014
	March		0.00066	0.000044	1.6	**0.069**	0.19	0.22	0.0000022	326	17	1.7	1.2	0.019	0.0000039	0.0014
	April		0.0045	0.00075	1.4	**0.099**	0.23	0.21	0.000073	294	16	61	1.1	0.019	0.000014	0.0018
	May		0.00094	0.00055	1.3	**0.10**	0.19	0.21	0.000054	297	16	60	1.1	0.018	0.000011	0.0017
	June		0.0015	0.00032	1.2	**0.083**	0.20	0.22	0.000030	317	17	27	1.2	0.019	0.0000080	0.0016
	July		0.0042	0.00092	0.98	**0.11**	0.23	0.21	0.000091	286	15	84	1.1	0.019	0.000017	0.0020
	August		0.0026	0.00100	0.84	**0.12**	0.21	0.21	0.000099	283	15	94	1.1	0.019	0.000017	0.0020
	September		0.0016	0.00096	0.71	**0.12**	0.20	0.21	0.000095	286	15	94	1.1	0.018	0.000016	0.0020
	October		0.00099	0.00040	0.61	**0.094**	0.19	0.22	0.000038	306	16	48	1.1	0.019	0.0000088	0.0016
	November		0.00083	0.00016	0.49	**0.078**	0.19	0.22	0.000014	319	17	18	1.2	0.019	0.0000056	0.0015
	December		0.00067	0.000052	0.36	**0.070**	0.19	0.22	0.0000030	326	17	3.4	1.2	0.019	0.0000040	0.0014
		MINIMUM	0.00066	0.000044	0.36	**0.069**	0.19	0.17	0.0000022	191	10	1.7	0.77	0.018	0.0000039	0.0014
		MAXIMUM	0.36	0.0054	8.4	**0.15**	4.0	0.25	0.00012	447	17	634	1.2	**0.13**	0.0088	0.0021
		AVERAGE	0.054	0.00061	4.2	**0.098**	0.78	0.21	0.000056	289	15	65	1.1	**0.035**	0.00018	0.0017

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2026**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2027**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2028**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Operations	**January**	**2029**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2026**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2027**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2028**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**January**	**2029**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2031**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2032**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2033**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2034**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2035**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2030**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2031**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2032**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**August**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2033**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June	**2034**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February	**2035**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**April**	**2035**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2036**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2037**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2038**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2039**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2040**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**April**	**2035**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2036**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2037**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2038**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2039**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2040**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October	**2040**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2041**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2042**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Operations	**February**		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June	**2043**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June	**2044**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May	**2045**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July	**2040**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2041**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2042**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2043**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2044**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2045**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**September**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November	**2045**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2046**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2047**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Operations	**May**		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2048**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2049**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July	**2050**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November	**2045**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2046**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2047**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Operations	**May**		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2048**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2049**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July	**2050**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2052**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Decommissioning	**January**	**2053**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2054**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2055**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2052**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Decommissioning	**January**	**2053**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2054**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2055**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	January	**2057**	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	February		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	March		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	April		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	May		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	June		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	July		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	August		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	September		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	October		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	November		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
	December		0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MINIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		MAXIMUM	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
		AVERAGE	0.010	0.054	0.00013	0.0000100	4.0	1.0	0.00050	0.00010	0.00050	**0.46**	0.00010	0.037	1.4	0.057	0.0000040
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0067	0.025	0.000076	0.0000064	0.12	0.19	0.000033	0.00013	0.000026	0.0048	0.0000066	0.0013	0.035	0.012	0.00000058
	April		0.021	0.079	0.00023	0.000020	0.52	0.62	0.00012	0.00039	0.00010	0.034	0.000024	0.0056	0.16	0.037	0.0000019
	May		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00014	0.025	0.000034	0.0071	0.18	0.061	0.0000030
	June		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.033	0.000046	0.0094	0.24	0.081	0.0000040
	July		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	August		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	September		0.030	0.11	0.00034	0.000028	0.51	0.85	0.00014	0.00056	0.00012	0.021	0.000029	0.0059	0.15	0.051	0.0000025
	October		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.050	0.0000085	0.000033	0.0000068	0.0012	0.0000017	0.00035	0.0090	0.0030	0.00000015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000034	0.00013	0.000027	0.0049	0.0000068	0.0014	0.036	0.012	0.0000006
	May		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.028	0.000038	0.0079	0.20	0.068	0.0000034
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.031	0.000042	0.0087	0.22	0.075	0.0000037
	July		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	September		0.037	0.14	0.00041	0.000035	0.63	1.0	0.00018	0.00069	0.00014	0.026	0.000036	0.0073	0.19	0.063	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	April		0.021	0.079	0.00024	0.000020	0.36	0.60	0.00010	0.00039	0.000082	0.015	0.000020	0.0042	0.11	0.036	0.0000018
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.031	0.000042	0.0087	0.22	0.075	0.0000037
	July		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00016	0.028	0.000038	0.0079	0.20	0.068	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	October		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000014	0.0025	0.0000034	0.00070	0.018	0.0060	0.0000003
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	January	**2057**	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	February		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	March		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	April		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	May		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	June		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	July		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	August		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	September		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	October		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	November		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
	December		0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MINIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		MAXIMUM	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
		AVERAGE	0.00010	0.00050	0.50	**0.050**	0.019	0.0100	0.00010	1.5	0.032	1.7	0.010	0.00010	0.00050	0.0030
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000013	0.00017	0.0068	0.00031	0.00036	0.00034	0.0000066	0.060	0.0013	0.25	0.00066	0.0000066	0.000026	0.00045
	April		0.000043	0.00052	0.042	0.0031	0.0019	0.0014	0.000024	0.25	0.0054	0.83	0.0024	0.000024	0.00010	0.0015
	May		0.000068	0.00087	0.036	0.0016	0.0019	0.0018	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00014	0.0024
	June		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0093	1.8	0.0046	0.000046	0.00018	0.0031
	July		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	August		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	September		0.000057	0.00073	0.030	0.0014	0.0016	0.0015	0.000029	0.26	0.0059	1.1	0.0029	0.000029	0.00012	0.0020
	October		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	November		0.0000033	0.000043	0.0018	0.000081	0.000092	0.000087	0.0000017	0.016	0.00035	0.065	0.00017	0.0000017	0.0000068	0.00012
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000013	0.00017	0.0070	0.00032	0.00037	0.00035	0.0000068	0.062	0.0014	0.26	0.00068	0.0000068	0.000027	0.00047
	May		0.000076	0.00097	0.040	0.0018	0.0021	0.0020	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	June		0.000083	0.0011	0.044	0.0020	0.0023	0.0022	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	August		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	September		0.000070	0.00090	0.037	0.0017	0.0019	0.0018	0.000036	0.33	0.0073	1.4	0.0036	0.000036	0.00014	0.0024
	October		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	April		0.000040	0.00051	0.021	0.00097	0.0011	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000082	0.0014
	May		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	June		0.000083	0.0011	0.044	0.0020	0.0023	0.0022	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000076	0.00098	0.040	0.0018	0.0021	0.0020	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00016	0.0026
	August		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	September		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	October		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	November		0.0000067	0.000086	0.0035	0.00016	0.00018	0.00017	0.0000034	0.031	0.00069	0.13	0.00034	0.0000034	0.000014	0.00023
	December		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**January**	**2061**	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000057	0.00022	0.000046	0.0084	0.000011	0.0024	0.061	0.020	0.0000010
	April		0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	May		0.023	0.087	0.00026	0.000022	0.40	0.66	0.00011	0.00043	0.000090	0.016	0.000022	0.0046	0.12	0.039	0.0000020
	June		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	July		0.052	0.20	0.00059	0.000049	0.90	1.5	0.00025	0.00099	0.00020	0.037	0.000051	0.010	0.27	0.089	0.0000045
	August		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00014	0.025	0.000034	0.0071	0.18	0.061	0.0000030
	November		0.0052	0.020	0.000059	0.0000049	0.090	0.15	0.000025	0.000099	0.000020	0.0037	0.0000051	0.0010	0.027	0.0089	0.00000045
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2062**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0084	0.032	0.000096	0.0000080	0.15	0.24	0.000041	0.00016	0.000033	0.0060	0.0000082	0.0017	0.043	0.014	0.00000072
	April		0.0087	0.033	0.000099	0.0000082	0.15	0.25	0.000042	0.00016	0.000034	0.0062	0.0000085	0.0017	0.045	0.015	0.00000075
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	June		0.045	0.17	0.00051	0.000043	0.78	1.3	0.00022	0.00085	0.00018	0.032	0.000044	0.0090	0.23	0.078	0.0000039
	July		0.042	0.16	0.00048	0.000040	0.73	1.2	0.00020	0.00079	0.00017	0.030	0.000041	0.0084	0.22	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.030	0.000041	0.0084	0.21	0.072	0.0000036
	October		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	November		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.011	0.000015	0.0031	0.081	0.027	0.0000013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2063**	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	February		0.0037	0.014	0.000042	0.0000035	0.064	0.11	0.000018	0.000070	0.000015	0.0026	0.0000036	0.00075	0.019	0.0064	0.00000032
	March		0.0084	0.032	0.000096	0.0000080	0.15	0.24	0.000041	0.00016	0.000033	0.0060	0.0000082	0.0017	0.043	0.014	0.00000072
	April		0.016	0.060	0.00018	0.000015	0.27	0.45	0.000077	0.00030	0.000062	0.011	0.000015	0.0032	0.082	0.027	0.0000014
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.027	0.000038	0.0077	0.20	0.066	0.0000033
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	July		0.046	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00018	0.032	0.000044	0.0091	0.23	0.078	0.0000039
	August		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00074	0.00015	0.028	0.000038	0.0078	0.20	0.067	0.0000034
	September		0.037	0.14	0.00041	0.000035	0.63	1.0	0.00018	0.00069	0.00014	0.026	0.000036	0.0073	0.19	0.063	0.0000031
	October		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2064**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	April		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.011	0.000015	0.0031	0.081	0.027	0.0000013
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000082	0.00032	0.000066	0.012	0.000016	0.0034	0.087	0.029	0.0000014
	June		0.026	0.099	0.00030	0.000025	0.45	0.75	0.00013	0.00049	0.00010	0.019	0.000025	0.0052	0.13	0.045	0.0000022
	July		0.021	0.080	0.00024	0.000020	0.37	0.61	0.00010	0.00040	0.000083	0.015	0.000021	0.0042	0.11	0.036	0.0000018
	August		0.040	0.15	0.00046	0.000038	0.70	1.2	0.00020	0.00076	0.00016	0.029	0.000039	0.0081	0.21	0.069	0.0000035
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00019	0.00072	0.00015	0.027	0.000037	0.0077	0.20	0.066	0.0000033
	October		0.015	0.057	0.00017	0.000014	0.26	0.43	0.000074	0.00029	0.000059	0.011	0.000015	0.0030	0.078	0.026	0.0000013
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2065**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000095	0.17	0.29	0.000049	0.00019	0.000039	0.0071	0.0000097	0.0020	0.052	0.017	0.00000086
	April		0.030	0.11	0.00034	0.000028	0.51	0.85	0.00014	0.00056	0.00012	0.021	0.000029	0.0059	0.15	0.051	0.0000025
	May		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	June		0.045	0.17	0.00051	0.000043	0.78	1.3	0.00022	0.00085	0.00018	0.032	0.000044	0.0090	0.23	0.078	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.76	1.3	0.00021	0.00083	0.00017	0.031	0.000043	0.0088	0.23	0.075	0.0000038
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00025	0.00095	0.00020	0.036	0.000049	0.010	0.26	0.087	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00019	0.00072	0.00015	0.027	0.000037	0.0077	0.20	0.066	0.0000033
	October		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.024	0.000033	0.0067	0.17	0.058	0.0000029
	November		0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	January	**2066**	0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	February		0.015	0.056	0.00017	0.000014	0.26	0.43	0.000073	0.00028	0.000059	0.011	0.000015	0.0030	0.077	0.026	0.0000013
	March		0.022	0.083	0.00025	0.000021	0.38	0.63	0.00011	0.00041	0.000086	0.016	0.000021	0.0044	0.11	0.038	0.0000019

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	January	2061	0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000023	0.00029	0.012	0.00055	0.00063	0.00059	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000046	0.00079
	April		0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000044	0.00057	0.023	0.0011	0.0012	0.0012	0.000022	0.21	0.0046	0.86	0.0022	0.000022	0.000090	0.0015
	June		0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	July		0.00010	0.0013	0.053	0.0024	0.0028	0.0026	0.000051	0.47	0.010	1.9	0.0051	0.000051	0.00020	0.0035
	August		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	September		0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	October		0.000068	0.00087	0.036	0.0016	0.0019	0.0018	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00014	0.0024
	November		0.0000100	0.00013	0.0053	0.00024	0.00028	0.00026	0.0000051	0.047	0.0010	0.19	0.00051	0.0000051	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2062	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000016	0.00021	0.0085	0.00039	0.00045	0.00042	0.0000082	0.075	0.0017	0.31	0.00082	0.0000082	0.000033	0.00056
	April		0.000017	0.00021	0.0088	0.00040	0.00046	0.00044	0.0000085	0.078	0.0017	0.32	0.00085	0.0000085	0.000034	0.00058
	May		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	June		0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.40	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	July		0.000081	0.0010	0.042	0.0020	0.0022	0.0021	0.000041	0.38	0.0084	1.6	0.0041	0.000041	0.00017	0.0028
	August		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	September		0.000080	0.0010	0.042	0.0019	0.0022	0.0021	0.000041	0.37	0.0083	1.6	0.0041	0.000041	0.00016	0.0028
	October		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	November		0.000030	0.00039	0.016	0.00073	0.00083	0.00079	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000061	0.0010
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2063	0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	February		0.0000071	0.000092	0.0038	0.00017	0.00020	0.00019	0.0000036	0.033	0.00074	0.14	0.00036	0.0000036	0.000015	0.00025
	March		0.000016	0.00021	0.0085	0.00039	0.00045	0.00042	0.0000082	0.075	0.0017	0.31	0.00082	0.0000082	0.000033	0.00056
	April		0.000030	0.00039	0.016	0.00074	0.00084	0.00080	0.000015	0.14	0.0032	0.59	0.0015	0.000015	0.000062	0.0011
	May		0.000074	0.00095	0.039	0.0018	0.0021	0.0019	0.000038	0.35	0.0077	1.4	0.0038	0.000038	0.00015	0.0026
	June		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	July		0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	August		0.000075	0.00096	0.039	0.0018	0.0021	0.0020	0.000038	0.35	0.0077	1.5	0.0038	0.000038	0.00015	0.0026
	September		0.000070	0.00090	0.037	0.0017	0.0019	0.0018	0.000036	0.33	0.0073	1.4	0.0036	0.000036	0.00014	0.0024
	October		0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2064	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	April		0.000030	0.00039	0.016	0.00073	0.00083	0.00079	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000061	0.0010
	May		0.000032	0.00042	0.017	0.00078	0.00089	0.00085	0.000016	0.15	0.0033	0.63	0.0016	0.000016	0.000066	0.0011
	June		0.000050	0.00064	0.026	0.0012	0.0014	0.0013	0.000025	0.23	0.0052	0.97	0.0025	0.000025	0.00010	0.0017
	July		0.000041	0.00052	0.021	0.00098	0.0011	0.0011	0.000021	0.19	0.0042	0.79	0.0021	0.000021	0.000083	0.0014
	August		0.000077	0.00100	0.041	0.0019	0.0021	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00016	0.0027
	September		0.000073	0.00094	0.039	0.0018	0.0020	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0026
	October		0.000029	0.00037	0.015	0.00070	0.00080	0.00076	0.000015	0.14	0.0030	0.56	0.0015	0.000015	0.000059	0.0010
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2065	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.010	0.00046	0.00053	0.00050	0.0000097	0.090	0.0020	0.37	0.00097	0.0000097	0.000039	0.00067
	April		0.000057	0.00073	0.030	0.0014	0.0016	0.0015	0.000029	0.26	0.0059	1.1	0.0029	0.000029	0.00012	0.0020
	May		0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	June		0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.40	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	July		0.000084	0.0011	0.044	0.0020	0.0023	0.0022	0.000043	0.39	0.0087	1.6	0.0043	0.000043	0.00017	0.0029
	August		0.000097	0.0012	0.051	0.0023	0.0027	0.0025	0.000049	0.45	0.010	1.9	0.0049	0.000049	0.00020	0.0034
	September		0.000073	0.00094	0.039	0.0018	0.0020	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0026
	October		0.000065	0.00083	0.034	0.0016	0.0018	0.0017	0.000033	0.30	0.0067	1.3	0.0033	0.000033	0.00013	0.0023
	November		0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	January	2066	0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	February		0.000029	0.00037	0.015	0.00069	0.00079	0.00075	0.000015	0.13	0.0030	0.56	0.0015	0.000015	0.000059	0.00100
	March		0.000042	0.00054	0.022	0.0010	0.0012	0.0011	0.000021	0.20	0.0043	0.82	0.0021	0.000021	0.000086	0.0015

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.90	0.00015	0.00059	0.00012	0.022	0.000030	0.0063	0.16	0.054	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.87	0.00015	0.00057	0.00012	0.021	0.000030	0.0061	0.16	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.60	0.00010	0.00039	0.000082	0.015	0.000020	0.0042	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.41	0.67	0.00011	0.00045	0.000093	0.017	0.000023	0.0047	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.47	0.77	0.00013	0.00051	0.00011	0.019	0.000026	0.0054	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.70	0.00012	0.00046	0.000096	0.017	0.000024	0.0049	0.13	0.042	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000057	0.00022	0.000046	0.0084	0.000011	0.0024	0.061	0.020	0.0000010
	November		0.0052	0.020	0.000059	0.0000049	0.090	0.15	0.000025	0.000099	0.000020	0.0037	0.0000051	0.0010	0.027	0.0089	0.00000045
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0024	0.0000033	0.00067	0.017	0.0058	0.00000029
	April		0.028	0.11	0.00032	0.000026	0.48	0.80	0.00014	0.00053	0.00011	0.020	0.000027	0.0056	0.14	0.048	0.0000024
	May		0.029	0.11	0.00032	0.000027	0.49	0.82	0.00014	0.00054	0.00011	0.020	0.000028	0.0057	0.15	0.049	0.0000025
	June		0.033	0.13	0.00038	0.000031	0.57	0.94	0.00016	0.00062	0.00013	0.023	0.000032	0.0066	0.17	0.057	0.0000028
	July		0.046	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00018	0.032	0.000044	0.0091	0.23	0.078	0.0000039
	August		0.047	0.18	0.00054	0.000045	0.81	1.3	0.00023	0.00089	0.00019	0.033	0.000046	0.0094	0.24	0.081	0.0000041
	September		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.033	0.000046	0.0094	0.24	0.081	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00016	0.028	0.000039	0.0080	0.21	0.069	0.0000034
	November		0.0048	0.018	0.000054	0.0000045	0.083	0.14	0.000023	0.000090	0.000019	0.0034	0.0000047	0.00096	0.025	0.0082	0.00000041
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000082	0.000032	0.0000066	0.0012	0.0000016	0.00034	0.0087	0.0029	0.00000014
		MAXIMUM	0.052	0.20	0.00059	0.000049	0.90	1.5	0.00025	0.00099	0.00020	0.037	0.000051	0.010	0.27	0.089	0.0000045
		AVERAGE	0.027	0.10	0.00031	0.000026	0.48	0.78	0.00013	0.00052	0.00011	0.020	0.000027	0.0055	0.14	0.047	0.0000024

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-12: Scenario 12: Reasonable Upper Bound and Low Treatment Efficiency - East

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.000060	0.00077	0.032	0.0015	0.0017	0.0016	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000058	0.00075	0.031	0.0014	0.0016	0.0015	0.000030	0.27	0.0060	1.1	0.0030	0.000030	0.00012	0.0020
	June		0.000040	0.00051	0.021	0.00097	0.0011	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000082	0.0014
	July		0.000045	0.00058	0.024	0.0011	0.0013	0.0012	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000093	0.0016
	August		0.000052	0.00066	0.027	0.0012	0.0014	0.0014	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00011	0.0018
	September		0.000047	0.00060	0.025	0.0011	0.0013	0.0012	0.000024	0.22	0.0048	0.91	0.0024	0.000024	0.000096	0.0016
	October		0.000023	0.00029	0.012	0.00055	0.00063	0.00059	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000046	0.00079
	November		0.0000100	0.00013	0.0053	0.00024	0.00028	0.00026	0.0000051	0.047	0.0010	0.19	0.00051	0.0000051	0.000020	0.00035
	December		0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000065	0.000083	0.0034	0.00016	0.00018	0.00017	0.0000033	0.030	0.00067	0.13	0.00033	0.0000033	0.000013	0.00023
	April		0.000053	0.00069	0.028	0.0013	0.0015	0.0014	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0019
	May		0.000055	0.00071	0.029	0.0013	0.0015	0.0014	0.000028	0.26	0.0057	1.1	0.0028	0.000028	0.00011	0.0019
	June		0.000063	0.00082	0.033	0.0015	0.0018	0.0017	0.000032	0.30	0.0066	1.2	0.0032	0.000032	0.00013	0.0022
	July		0.000087	0.0011	0.046	0.0021	0.0024	0.0023	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00018	0.0030
	August		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0094	1.8	0.0046	0.000046	0.00019	0.0032
	September		0.000090	0.0012	0.047	0.0022	0.0025	0.0024	0.000046	0.42	0.0093	1.8	0.0046	0.000046	0.00018	0.0031
	October		0.000077	0.00099	0.040	0.0019	0.0021	0.0020	0.000039	0.36	0.0079	1.5	0.0039	0.000039	0.00016	0.0027
	November		0.0000092	0.00012	0.0048	0.00022	0.00025	0.00024	0.0000047	0.043	0.00095	0.18	0.00047	0.0000047	0.000019	0.00032
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000042	0.0017	0.000078	0.000089	0.000085	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000066	0.00011
		MAXIMUM	0.00010	0.0013	0.053	0.0031	0.0028	0.0026	0.000051	0.47	0.010	1.9	0.0051	0.000051	0.00020	0.0035
		AVERAGE	0.000053	0.00068	0.028	0.0013	0.0015	0.0014	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000094	0.0000049	3.5	0.57	0.00020	0.000050	0.00012	0.085	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0033	0.019	0.000082	0.0000043	3.1	0.50	0.00017	0.000044	0.00011	0.075	0.000041	0.011	1.1	0.018	0.0000012
	May		0.0029	0.016	0.000071	0.0000037	2.7	0.43	0.00015	0.000037	0.000093	0.064	0.000035	0.0096	0.92	0.016	0.0000010
	June		0.0028	0.016	0.000070	0.0000036	2.6	0.42	0.00015	0.000037	0.000091	0.063	0.000035	0.0094	0.90	0.015	0.0000010
	July		0.0025	0.015	0.000063	0.0000032	2.4	0.38	0.00013	0.000033	0.000082	0.057	0.000031	0.0085	0.82	0.014	0.00000092
	August		0.0024	0.014	0.000059	0.0000030	2.2	0.35	0.00012	0.000031	0.000077	0.053	0.000029	0.0079	0.76	0.013	0.00000086
	September		0.0021	0.012	0.000052	0.0000027	1.9	0.31	0.00011	0.000027	0.000068	0.047	0.000026	0.0070	0.67	0.011	0.00000076
	October		0.0019	0.011	0.000047	0.0000024	1.8	0.28	0.000099	0.000025	0.000062	0.043	0.000023	0.0063	0.61	0.010	0.00000069
	November		0.0018	0.010	0.000044	0.0000023	1.7	0.27	0.000092	0.000023	0.000058	0.040	0.000022	0.0059	0.57	0.0097	0.00000065
	December		0.0018	0.010	0.000044	0.0000022	1.6	0.26	0.000091	0.000023	0.000057	0.040	0.000022	0.0058	0.57	0.0096	0.00000064
	January	**2026**	0.0018	0.010	0.000043	0.0000022	1.6	0.26	0.000091	0.000023	0.000057	0.039	0.000022	0.0058	0.56	0.0096	0.00000064
	February		0.0018	0.010	0.000043	0.0000022	1.6	0.26	0.000091	0.000023	0.000057	0.039	0.000022	0.0058	0.56	0.0096	0.00000064
	March		0.0012	2.0	0.000030	0.0000015	2.3	0.36	0.000061	0.000015	0.000038	0.027	0.000015	0.0082	0.78	0.0065	0.00000089
	April		0.00018	3.8	0.000039	0.0000024	3.1	0.82	0.0000071	0.0000032	0.000035	0.0028	0.0000016	0.39	1.1	0.00081	0.0000035
	May		0.000097	4.2	0.000032	0.0000020	3.1	0.81	0.0000026	0.0000021	0.000029	0.00086	0.00000051	0.35	1.1	0.00035	0.0000033
	June		0.00019	3.8	0.00011	0.0000070	3.0	1.4	0.0000038	0.0000049	0.000095	0.00076	0.00000052	1.2	1.2	0.00052	0.0000080
	July		0.00021	3.7	0.00013	0.0000088	2.7	1.6	0.0000041	0.0000057	0.00012	0.00068	0.00000049	1.4	1.1	0.00055	0.0000095
	August		0.00026	2.8	0.00019	0.000013	2.1	2.0	0.0000047	0.0000074	0.00017	0.00053	0.00000044	2.0	0.96	0.00063	0.000013
	September		0.00027	2.9	0.00014	0.0000092	2.1	1.7	0.0000041	0.0000071	0.00012	0.00054	0.00000045	1.5	0.89	0.00064	0.000010
	October		0.00020	3.9	0.000076	0.0000051	2.5	1.2	0.0000031	0.0000048	0.000067	0.00063	0.00000046	0.80	0.96	0.00050	0.0000063
	November		0.000092	5.4	0.000027	0.0000017	3.2	0.80	0.0000024	0.0000020	0.000023	0.00079	0.00000047	0.28	1.1	0.00033	0.0000031
	December		0.000058	5.9	0.000010	0.00000065	3.5	0.65	0.0000021	0.0000011	0.0000091	0.00084	0.00000047	0.11	1.2	0.00027	0.0000020
	January	**2027**	0.000090	7.1	0.000033	0.0000022	3.5	0.86	0.0000026	0.0000020	0.000029	0.00084	0.0000005	0.34	1.2	0.00033	0.0000035
	February		0.00014	7.4	0.000066	0.0000044	3.3	1.2	0.0000032	0.0000035	0.000059	0.00081	0.00000051	0.71	1.2	0.00043	0.0000056
	March		0.00012	6.6	0.000068	0.0000046	3.2	1.1	0.0000031	0.0000031	0.000061	0.00079	0.00000049	0.73	1.2	0.00040	0.0000056
	April		0.00020	4.7	0.00012	0.0000078	2.6	1.5	0.0000038	0.0000052	0.00010	0.00065	0.00000046	1.2	1.0	0.00052	0.0000086
	May		0.00023	4.1	0.00010	0.0000068	2.4	1.5	0.0000036	0.0000057	0.000090	0.00061	0.00000046	1.1	0.95	0.00056	0.0000079
	June		0.00019	5.0	0.00010	0.0000067	2.7	1.4	0.0000035	0.0000048	0.000090	0.00066	0.00000046	1.1	1.0	0.00049	0.0000077
	July		0.00023	4.2	0.00017	0.000011	2.4	1.8	0.0000045	0.0000065	0.00015	0.00060	0.00000046	1.8	1.1	0.00058	0.000012
	August		0.00030	4.1	0.00014	0.0000094	2.5	1.9	0.0000044	0.0000076	0.00012	0.00065	0.00000053	1.5	1.0	0.00071	0.000011
	September		0.00019	6.0	0.000062	0.0000041	2.7	1.2	0.0000030	0.0000044	0.000054	0.00067	0.00000047	0.65	1.00	0.00048	0.0000055
	October		0.00016	4.8	0.000088	0.0000059	2.8	1.3	0.0000033	0.0000042	0.000079	0.00070	0.00000047	0.94	1.1	0.00045	0.0000068
	November		0.00017	5.2	0.000080	0.0000054	2.9	1.2	0.0000033	0.0000043	0.000072	0.00071	0.00000048	0.85	1.1	0.00047	0.0000065
	December		0.00013	8.3	0.000049	0.0000033	3.5	1.1	0.0000030	0.0000030	0.000044	0.00086	0.00000053	0.52	1.3	0.00041	0.0000047
	January	**2028**	0.000052	13	0.000010	0.00000066	3.9	0.73	0.0000020	0.00000096	0.0000091	0.00078	0.00000044	0.12	1.4	0.00025	0.0000022
	February		0.000035	12	0.0000018	6.8E-08	4.3	0.70	0.0000018	0.00000051	0.0000014	0.00076	0.00000042	0.026	1.5	0.00021	0.0000018
	March		0.000036	12	0.0000015	4.9E-08	4.5	0.72	0.0000018	0.00000051	0.0000012	0.00079	0.00000044	0.017	1.6	0.00022	0.0000018
	April		0.000069	9.7	0.000064	0.0000034	5.4	7.6	0.0000055	0.00025	0.00014	0.0013	0.00000044	0.51	2.1	0.00040	0.000030
	May		0.00014	4.9	0.00010	0.0000048	9.9	28	0.000017	0.0015	0.00066	0.0022	0.00000054	0.43	5.3	0.0011	0.00012
	June		0.00013	6.2	0.000100	0.0000050	9.8	26	0.000016	0.0015	0.00067	0.0020	0.00000054	0.44	5.5	0.0011	0.00012
	July		0.00012	5.5	0.00014	0.0000069	12	36	0.000021	0.0020	0.00087	0.0026	0.00000057	0.65	6.7	0.0013	0.00016
	August		0.00013	5.6	0.00014	0.0000072	13	40	0.000025	0.0026	0.0011	0.0024	0.00000062	0.53	8.4	0.0017	0.00019
	September		0.00012	5.7	0.00014	0.0000072	13	39	0.000024	0.0025	0.0011	0.0024	0.00000059	0.57	8.4	0.0016	0.00018
	October		0.000077	8.2	0.000068	0.0000038	9.7	24	0.000014	0.0015	0.00063	0.0015	0.0000005	0.28	6.0	0.00100	0.00011
	November		0.000060	9.2	0.000044	0.0000024	7.6	15	0.0000091	0.00088	0.00037	0.0012	0.00000046	0.20	4.2	0.00067	0.000072
	December		0.000034	11	0.0000033	0.00000016	4.6	2.4	0.0000021	0.000046	0.000020	0.00075	0.0000004	0.035	1.8	0.00022	0.000010
		MINIMUM	0.000034	0.010	0.0000015	4.9E-08	1.6	0.26	0.0000018	0.00000051	0.0000012	0.00053	0.0000004	0.0058	0.56	0.00021	0.00000064
		MAXIMUM	0.0038	13	0.00019	0.000013	13	40	0.00020	0.0026	0.0011	0.086	0.000047	2.0	8.4	0.021	0.00019
		AVERAGE	0.00088	4.4	0.000074	0.0000044	4.1	5.3	0.000045	0.00028	0.00017	0.018	0.000010	0.49	1.8	0.0047	0.000024
Operations	**January**	**2029**	**20**	7.7	**0.071**	**0.000084**	417	50	**0.026**	0.029	**0.33**	**9.5**	**0.043**	0.15	60	0.094	0.000012
	February		**22**	7.2	**0.077**	**0.000091**	456	78	**0.029**	0.032	**0.35**	**10**	**0.047**	0.21	94	0.10	0.000013
	March		**21**	6.8	**0.074**	**0.000087**	456	81	**0.027**	0.030	**0.34**	**9.9**	**0.045**	0.27	94	0.097	0.000033
	April		**18**	5.7	**0.064**	**0.000080**	455	93	**0.024**	0.027	**0.29**	**8.6**	**0.039**	0.70	85	0.086	0.00012
	May		**19**	5.4	**0.065**	**0.000080**	456	85	**0.024**	0.028	**0.30**	**8.7**	**0.040**	0.40	80	0.087	0.00012
	June		**19**	5.5	**0.066**	**0.000081**	456	87	**0.024**	0.028	**0.30**	**8.8**	**0.040**	0.50	82	0.088	0.00012
	July		**19**	5.7	**0.066**	**0.000081**	456	86	**0.025**	0.028	**0.30**	**8.8**	**0.040**	0.50	84	0.088	0.00010
	August		**19**	5.4	**0.065**	**0.000079**	457	87	**0.024**	0.028	**0.30**	**8.7**	**0.039**	0.51	81	0.086	0.00012
	September		**18**	5.4	**0.064**	**0.000079**	456	89	**0.024**	0.027	**0.29**	**8.6**	**0.039**	0.59	82	0.085	0.00013
	October		**20**	5.8	**0.068**	**0.000082**	456	82	**0.025**	0.029	**0.31**	**9.1**	**0.041**	0.36	85	0.090	0.000085
	November		**21**	6.4	**0.073**	**0.000087**	456	81	**0.027**	0.030	**0.34**	**9.8**	**0.045**	0.31	91	0.097	0.000049
	December		**22**	7.1	**0.077**	**0.000090**	456	81	**0.028**	0.031	**0.35**	**10**	**0.047**	0.22	97	0.10	0.000017

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	January	2025	0.000053	0.000073	0.090	0.0075	0.0043	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000072	0.089	0.0075	0.0066	0.0043	0.000047	1.4	0.030	1.4	0.0048	0.000050	0.00015	0.00079
	April		0.000046	0.000063	0.078	0.0065	0.0066	0.0038	0.000041	1.2	0.026	1.3	0.0042	0.000044	0.00013	0.00069
	May		0.000040	0.000054	0.067	0.0056	0.0063	0.0033	0.000035	1.0	0.022	1.1	0.0036	0.000038	0.00011	0.00060
	June		0.000039	0.000053	0.066	0.0055	0.0067	0.0032	0.000035	1.0	0.022	1.1	0.0035	0.000037	0.00011	0.00059
	July		0.000035	0.000048	0.060	0.0050	0.0064	0.0029	0.000031	0.92	0.020	0.97	0.0032	0.000034	0.000100	0.00053
	August		0.000033	0.000045	0.056	0.0047	0.0063	0.0027	0.000029	0.86	0.019	0.90	0.0030	0.000031	0.000093	0.00049
	September		0.000029	0.000040	0.049	0.0041	0.0058	0.0024	0.000026	0.75	0.016	0.79	0.0026	0.000028	0.000082	0.00044
	October		0.000026	0.000036	0.045	0.0037	0.0055	0.0022	0.000023	0.69	0.015	0.72	0.0024	0.000025	0.000075	0.00040
	November		0.000025	0.000034	0.042	0.0035	0.0053	0.0020	0.000022	0.64	0.014	0.68	0.0022	0.000024	0.000070	0.00037
	December		0.000024	0.000033	0.041	0.0035	0.0053	0.0020	0.000022	0.64	0.014	0.67	0.0022	0.000023	0.000069	0.00037
	January	2026	0.000024	0.000033	0.041	0.0034	0.0054	0.0020	0.000022	0.63	0.014	0.67	0.0022	0.000023	0.000069	0.00037
	February		0.000024	0.000033	0.041	0.0034	0.0055	0.0020	0.000022	0.63	0.014	0.67	0.0022	0.000023	0.000069	0.00037
	March		0.000016	0.000022	2.4	0.0048	0.0050	0.0013	0.000015	0.88	0.019	0.93	0.0031	0.000016	0.000046	0.00025
	April		0.059	0.0000039	4.5	0.0095	0.43	0.0023	0.0000035	4.7	0.029	3.7	0.0062	0.00024	0.0000058	0.000034
	May		0.051	0.0000024	4.9	0.0093	0.37	0.0019	0.0000022	4.2	0.029	3.4	0.0061	0.00021	0.0000024	0.000016
	June		0.18	0.0000050	4.4	**0.016**	1.2	0.0064	0.0000056	12	0.034	8.5	0.010	0.00071	0.0000042	0.000031
	July		0.22	0.0000056	4.2	**0.018**	1.6	0.0080	0.0000068	14	0.034	10	0.011	0.00089	0.0000048	0.000035
	August		0.31	0.0000071	3.1	**0.021**	2.2	0.011	0.0000092	19	0.034	14	0.013	0.0013	0.0000061	0.000044
	September		0.23	0.0000073	3.3	**0.017**	1.6	0.0081	0.0000069	14	0.030	11	0.011	0.00092	0.0000049	0.000039
	October		0.12	0.0000052	4.5	**0.012**	0.87	0.0044	0.0000041	8.4	0.028	6.4	0.0081	0.00050	0.0000034	0.000027
	November		0.042	0.0000023	6.3	0.0090	0.29	0.0015	0.0000019	3.7	0.029	3.1	0.0059	0.00017	0.0000021	0.000015
	December		0.015	0.0000013	6.9	0.0081	0.11	0.00057	0.0000012	2.2	0.030	2.1	0.0052	0.000060	0.0000017	0.000011
	January	2027	0.052	0.0000022	8.3	**0.010**	0.36	0.0019	0.0000023	4.4	0.032	3.6	0.0065	0.00021	0.0000024	0.000016
	February		0.11	0.0000036	8.6	**0.013**	0.75	0.0039	0.0000038	7.8	0.034	6.0	0.0082	0.00044	0.0000033	0.000023
	March		0.11	0.0000032	7.8	**0.013**	0.77	0.0040	0.0000039	7.9	0.033	6.0	0.0081	0.00045	0.0000033	0.000022
	April		0.19	0.0000052	5.4	**0.016**	1.3	0.0069	0.0000060	12	0.032	9.2	0.010	0.00077	0.0000044	0.000032
	May		0.17	0.0000060	4.8	**0.014**	1.2	0.0060	0.0000053	11	0.029	8.2	0.0093	0.00067	0.0000041	0.000032
	June		0.17	0.0000049	5.8	**0.015**	1.2	0.0060	0.0000053	11	0.031	8.1	0.0094	0.00067	0.0000040	0.000029
	July		0.28	0.0000061	4.8	**0.020**	2.0	0.010	0.0000084	18	0.035	13	0.013	0.0011	0.0000057	0.000040
	August		0.23	0.0000080	4.6	**0.018**	1.6	0.0083	0.0000071	15	0.034	11	0.012	0.00093	0.0000052	0.000042
	September		0.099	0.0000048	7.0	**0.011**	0.70	0.0036	0.0000035	7.0	0.028	5.5	0.0075	0.00040	0.0000031	0.000025
	October		0.15	0.0000042	5.6	**0.014**	1.0	0.0052	0.0000047	9.8	0.032	7.3	0.0088	0.00059	0.0000037	0.000027
	November		0.13	0.0000044	6.0	**0.013**	0.92	0.0047	0.0000044	9.0	0.031	6.8	0.0085	0.00053	0.0000036	0.000026
	December		0.080	0.0000032	9.7	**0.012**	0.56	0.0029	0.0000031	6.1	0.034	4.9	0.0076	0.00032	0.0000029	0.000021
	January	2028	0.015	0.0000012	15	0.0091	0.12	0.00058	0.0000012	2.5	0.034	2.3	0.0058	0.000061	0.0000016	0.000010
	February		0.00053	0.00000071	15	0.0092	0.017	0.000063	0.00000074	1.8	0.036	1.8	0.0059	0.0000028	0.0000014	0.0000080
	March		0.000018	0.00000072	15	0.0095	0.0063	0.000047	0.00000075	1.8	0.038	1.8	0.0061	0.00000079	0.0000014	0.0000083
	April		0.072	0.00011	11	**0.021**	0.53	0.0032	0.000014	6.1	0.048	15	0.022	0.00070	0.0000067	0.00012
	May		0.046	0.00065	5.7	**0.047**	0.43	0.0040	0.000069	4.9	0.087	59	0.068	0.0018	0.000019	0.00058
	June		0.052	0.00065	7.2	**0.046**	0.45	0.0040	0.000068	5.1	0.088	60	0.065	0.0017	0.000018	0.00057
	July		0.081	0.00084	6.4	**0.060**	0.67	0.0058	0.000089	7.0	0.11	78	0.086	0.0023	0.000024	0.00074
	August		0.060	0.0011	6.5	**0.065**	0.54	0.0054	0.00011	5.9	0.12	96	0.096	0.0025	0.000026	0.00092
	September		0.066	0.0010	6.7	**0.065**	0.58	0.0055	0.00011	6.3	0.12	96	0.095	0.0024	0.000026	0.00088
	October		0.027	0.00062	9.6	**0.042**	0.27	0.0027	0.000064	3.7	0.090	62	0.059	0.0013	0.000014	0.00051
	November		0.019	0.00037	11	**0.030**	0.20	0.0017	0.000038	3.1	0.068	39	0.039	0.00080	0.0000093	0.00031
	December		0.00075	0.000020	13	**0.011**	0.025	0.00012	0.0000026	1.8	0.039	6.2	0.0096	0.000038	0.0000017	0.000023
		MINIMUM	0.000016	0.00000071	0.041	0.0034	0.0043	0.000047	0.00000074	0.63	0.014	0.67	0.0022	0.00000079	0.0000014	0.0000080
		MAXIMUM	0.31	0.0011	15	**0.065**	2.2	0.011	0.00011	19	0.12	96	0.096	0.0025	0.00015	0.00092
		AVERAGE	0.072	0.00013	5.1	**0.016**	0.52	0.0038	0.000024	5.5	0.039	14	0.016	0.00055	0.000036	0.00027
Operations	January	2029	0.032	0.11	9.1	**0.018**	0.14	0.77	0.0011	809	0.30	**2650**	0.82	0.026	**0.18**	0.012
	February		0.035	0.12	8.4	**0.022**	0.20	0.86	0.0011	885	0.45	**2900**	1.3	**0.031**	**0.20**	0.013
	March		0.039	0.12	8.0	**0.028**	0.26	0.82	0.0011	884	0.45	**2898**	1.3	**0.030**	**0.19**	0.013
	April		0.081	0.10	6.6	**0.059**	0.72	0.73	0.0010	884	0.44	**2897**	1.2	0.028	**0.17**	0.011
	May		0.046	0.10	6.3	**0.052**	0.40	0.73	0.0010	886	0.42	**2902**	1.1	0.028	**0.17**	0.011
	June		0.058	0.10	6.5	**0.053**	0.50	0.74	0.0010	886	0.43	**2902**	1.1	0.028	**0.17**	0.012
	July		0.060	0.10	6.6	**0.050**	0.51	0.75	0.0010	885	0.43	**2901**	1.1	0.028	**0.17**	0.012
	August		0.058	0.10	6.3	**0.055**	0.52	0.73	0.0010	886	0.43	**2903**	1.1	0.028	**0.17**	0.011
	September		0.066	0.10	6.3	**0.058**	0.61	0.72	0.0010	885	0.43	**2900**	1.1	0.028	**0.17**	0.011
	October		0.045	0.11	6.8	**0.042**	0.36	0.77	0.0010	886	0.43	**2902**	1.1	0.029	**0.18**	0.012
	November		0.040	0.12	7.5	**0.032**	0.31	0.82	0.0011	884	0.44	**2898**	1.2	0.030	**0.19**	0.013
	December		0.034	0.12	8.3	**0.023**	0.22	0.85	0.0011	885	0.46	**2899**	1.3	**0.031**	**0.20**	0.013

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	**24**	6.2	**0.083**	**0.000098**	456	68	**0.031**	0.034	**0.38**	**11**	**0.051**	0.18	82	0.11	0.000014
	February		**23**	5.7	**0.081**	**0.000096**	456	64	**0.030**	0.033	**0.37**	**11**	**0.049**	0.21	75	0.11	0.000023
	March		**23**	5.5	**0.080**	**0.000095**	456	65	**0.030**	0.033	**0.37**	**11**	**0.049**	0.23	73	0.11	0.000038
	April		**20**	4.6	**0.070**	**0.000087**	459	74	**0.026**	0.030	**0.32**	**9.4**	**0.043**	0.51	65	0.094	0.00011
	May		**21**	4.9	**0.074**	**0.000091**	458	74	**0.028**	0.031	**0.34**	**10.0**	**0.045**	0.47	69	0.099	0.00011
	June		**20**	4.6	**0.071**	**0.000088**	459	78	**0.026**	0.030	**0.32**	**9.5**	**0.043**	0.60	66	0.094	0.00013
	July		**20**	4.5	**0.070**	**0.000088**	458	80	**0.026**	0.030	**0.32**	**9.4**	**0.043**	0.65	64	0.094	0.00015
	August		**20**	4.6	**0.071**	**0.000088**	458	81	**0.026**	0.031	**0.33**	**9.5**	**0.043**	0.54	68	0.095	0.00015
	September		**20**	4.6	**0.070**	**0.000087**	459	78	**0.026**	0.030	**0.32**	**9.4**	**0.043**	0.50	67	0.094	0.00014
	October		**21**	4.6	**0.072**	**0.000088**	459	72	**0.027**	0.031	**0.33**	**9.6**	**0.044**	0.42	67	0.096	0.00011
	November		**23**	5.2	**0.079**	**0.000094**	457	65	**0.029**	0.033	**0.36**	**11**	**0.048**	0.21	69	0.10	0.000063
	December		**23**	5.6	**0.081**	**0.000097**	457	64	**0.030**	0.033	**0.37**	**11**	**0.050**	0.21	74	0.11	0.000032
	January	**2031**	**25**	5.0	**0.085**	**0.00010**	456	58	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.19	67	0.11	0.000028
	February		**25**	4.9	**0.087**	**0.00010**	456	55	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.15	66	0.12	0.000016
	March		**25**	4.8	**0.085**	**0.00010**	456	57	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.20	65	0.11	0.000031
	April		**22**	4.2	**0.077**	**0.000094**	458	68	**0.028**	0.032	**0.35**	**10**	**0.047**	0.50	61	0.10	0.000096
	May		**22**	4.0	**0.076**	**0.000093**	459	62	**0.028**	0.032	**0.35**	**10**	**0.047**	0.33	58	0.10	0.000095
	June		**22**	4.2	**0.078**	**0.000095**	458	65	**0.029**	0.033	**0.36**	**10**	**0.047**	0.37	62	0.10	0.000090
	July		**22**	4.1	**0.077**	**0.000094**	458	64	**0.029**	0.032	**0.35**	**10**	**0.047**	0.38	60	0.10	0.000094
	August		**22**	4.1	**0.078**	**0.000095**	458	67	**0.029**	0.033	**0.36**	**10**	**0.047**	0.41	61	0.10	0.00010
	September		**22**	4.0	**0.076**	**0.000093**	458	66	**0.028**	0.032	**0.35**	**10**	**0.047**	0.42	59	0.10	0.00011
	October		**23**	4.4	**0.081**	**0.000098**	457	63	**0.030**	0.034	**0.37**	**11**	**0.050**	0.33	62	0.11	0.000079
	November		**25**	4.7	**0.086**	**0.00010**	456	56	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.18	64	0.11	0.000035
	December		**25**	4.9	**0.086**	**0.00010**	456	55	**0.032**	**0.035**	**0.40**	**12**	**0.053**	0.16	65	0.11	0.000018
	January	**2032**	**26**	5.1	**0.090**	**0.00011**	454	52	**0.033**	**0.037**	**0.41**	**12**	**0.055**	0.15	62	0.12	0.000020
	February		**26**	5.2	**0.091**	**0.00011**	455	51	**0.034**	**0.037**	**0.41**	**12**	**0.055**	0.14	61	0.12	0.000017
	March		**24**	4.6	**0.083**	**0.000100**	457	57	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.30	57	0.11	0.000066
	April		**22**	4.2	**0.077**	**0.000095**	458	65	**0.029**	0.033	**0.35**	**10**	**0.047**	0.49	55	0.10	0.00011
	May		**22**	4.1	**0.078**	**0.000095**	457	58	**0.029**	0.033	**0.36**	**10**	**0.047**	0.29	55	0.10	0.000089
	June		**23**	4.3	**0.079**	**0.000096**	457	58	**0.029**	0.033	**0.36**	**11**	**0.048**	0.32	56	0.11	0.000073
	July		**22**	4.1	**0.077**	**0.000095**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.55	55	0.10	0.00012
	August		**22**	4.1	**0.077**	**0.000094**	458	62	**0.029**	0.033	**0.35**	**10**	**0.047**	0.37	55	0.10	0.00010
	September		**23**	4.3	**0.080**	**0.000097**	457	58	**0.030**	0.034	**0.37**	**11**	**0.049**	0.27	57	0.11	0.000082
	October		**24**	4.5	**0.082**	**0.000099**	457	56	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.25	58	0.11	0.000056
	November		**25**	4.9	**0.088**	**0.00010**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.19	60	0.12	0.000034
	December		**25**	5.2	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000018
	January	**2033**	**25**	4.8	**0.087**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.053**	0.14	63	0.12	0.000018
	February		**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000018
	March		**25**	4.7	**0.087**	**0.00010**	456	54	**0.033**	**0.036**	**0.40**	**12**	**0.053**	0.16	63	0.12	0.000023
	April		**23**	3.9	**0.079**	**0.000098**	456	65	**0.029**	0.033	**0.36**	**11**	**0.048**	0.64	57	0.11	0.00010
	May		**22**	3.8	**0.077**	**0.000095**	458	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.31	57	0.10	0.00012
	June		**22**	3.8	**0.077**	**0.000094**	457	61	**0.029**	0.033	**0.35**	**10**	**0.047**	0.35	56	0.10	0.00010
	July		**23**	4.0	**0.081**	**0.000098**	457	62	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.33	59	0.11	0.000088
	August		**22**	3.8	**0.078**	**0.000096**	457	63	**0.029**	0.033	**0.36**	**10**	**0.048**	0.40	57	0.10	0.00010
	September		**23**	3.9	**0.080**	**0.000097**	457	62	**0.030**	0.033	**0.36**	**11**	**0.049**	0.35	57	0.11	0.000091
	October		**23**	4.0	**0.080**	**0.000097**	457	58	**0.030**	0.034	**0.37**	**11**	**0.049**	0.30	58	0.11	0.000072
	November		**24**	4.3	**0.084**	**0.00010**	456	58	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.27	59	0.11	0.000063
	December		**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000021
	January	**2034**	**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	February		**25**	4.7	**0.086**	**0.00010**	455	53	**0.032**	**0.035**	**0.40**	**12**	**0.053**	0.15	63	0.11	0.000022
	March		**25**	4.5	**0.085**	**0.00010**	456	57	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.23	62	0.11	0.000047
	April		**23**	4.0	**0.079**	**0.000097**	457	64	**0.029**	0.033	**0.36**	**11**	**0.048**	0.48	58	0.10	0.000092
	May		**23**	4.0	**0.079**	**0.000096**	458	58	**0.029**	0.033	**0.36**	**11**	**0.048**	0.23	56	0.10	0.000083
	June		**22**	3.8	**0.077**	**0.000096**	456	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.74	54	0.10	0.00012
	July		**22**	3.6	**0.076**	**0.000095**	456	68	**0.028**	0.033	**0.35**	**10**	**0.047**	0.63	51	0.10	0.00014
	August		**22**	3.6	**0.076**	**0.000095**	456	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.43	53	0.10	0.00015
	September		**22**	3.7	**0.076**	**0.000095**	457	71	**0.028**	0.033	**0.35**	**10**	**0.047**	0.47	58	0.10	0.00014
	October		**22**	3.9	**0.077**	**0.000095**	458	60	**0.029**	0.033	**0.36**	**10**	**0.047**	0.22	58	0.10	0.00010
	November		**24**	4.4	**0.084**	**0.00010**	456	58	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.20	61	0.11	0.000063
	December		**25**	4.6	**0.086**	**0.00010**	455	55	**0.032**	**0.036**	**0.39**	**12**	**0.053**	0.19	61	0.11	0.000037
	January	**2035**	**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000020
	February		**25**	4.6	**0.087**	**0.00010**	455	54	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.18	62	0.11	0.000031
	March		**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.038	0.13	7.3	**0.020**	0.18	0.88	0.0012	886	0.39	**2902**	1.1	0.030	**0.22**	0.014
	February		0.043	0.13	6.7	**0.022**	0.20	0.85	0.0012	886	0.37	**2903**	1.0	0.029	**0.21**	0.014
	March		0.043	0.13	6.5	**0.026**	0.23	0.85	0.0012	886	0.36	**2903**	0.99	0.029	**0.21**	0.014
	April		0.070	0.11	5.4	**0.050**	0.52	0.75	0.0011	891	0.35	**2920**	0.89	0.027	**0.18**	0.012
	May		0.068	0.12	5.7	**0.047**	0.48	0.79	0.0012	888	0.36	**2910**	0.93	0.028	**0.19**	0.013
	June	**2030**	0.078	0.11	5.4	**0.057**	0.61	0.76	0.0011	891	0.36	**2919**	0.90	0.027	**0.18**	0.012
	July		0.083	0.11	5.2	**0.062**	0.67	0.75	0.0011	889	0.36	**2914**	0.87	0.027	**0.18**	0.012
	August		0.071	0.11	5.4	**0.060**	0.55	0.76	0.0011	889	0.38	**2912**	0.91	0.027	**0.18**	0.013
	September		0.065	0.11	5.3	**0.057**	0.51	0.75	0.0011	890	0.37	**2918**	0.90	0.027	**0.18**	0.012
	October		0.062	0.11	5.4	**0.047**	0.43	0.77	0.0011	890	0.36	**2917**	0.90	0.027	**0.19**	0.013
	November		0.037	0.12	6.1	**0.032**	0.20	0.83	0.0012	887	0.35	**2905**	0.93	0.028	**0.21**	0.014
	December		0.042	0.13	6.6	**0.024**	0.21	0.86	0.0012	886	0.36	**2904**	1.00	0.029	**0.21**	0.014
	January		0.043	0.13	5.8	**0.022**	0.19	0.88	0.0013	884	0.33	**2898**	0.91	0.028	**0.22**	0.014
	February		0.040	0.14	5.8	**0.018**	0.14	**0.89**	0.0013	884	0.32	**2897**	0.89	0.028	**0.23**	0.015
	March		0.046	0.13	5.6	**0.023**	0.20	0.88	0.0013	884	0.33	**2898**	0.88	0.028	**0.22**	0.014
	April		0.076	0.12	4.9	**0.044**	0.51	0.80	0.0012	889	0.33	**2914**	0.83	0.027	**0.20**	0.013
	May		0.053	0.12	4.7	**0.041**	0.33	0.79	0.0012	890	0.31	**2916**	0.77	0.026	**0.20**	0.013
	June	**2031**	0.062	0.12	4.9	**0.040**	0.37	0.81	0.0012	889	0.33	**2912**	0.83	0.027	**0.20**	0.013
	July		0.060	0.12	4.8	**0.042**	0.39	0.80	0.0012	888	0.32	**2910**	0.80	0.026	**0.20**	0.013
	August		0.063	0.12	4.8	**0.045**	0.42	0.81	0.0012	888	0.33	**2911**	0.82	0.027	**0.20**	0.014
	September		0.065	0.12	4.7	**0.045**	0.43	0.79	0.0012	888	0.32	**2911**	0.79	0.026	**0.20**	0.013
	October		0.056	0.13	5.1	**0.037**	0.33	0.84	0.0012	888	0.33	**2909**	0.84	0.027	**0.21**	0.014
	November		0.041	0.14	5.6	**0.023**	0.18	**0.89**	0.0013	884	0.32	**2897**	0.86	0.028	**0.22**	0.015
	December		0.041	0.14	5.7	**0.019**	0.15	**0.89**	0.0013	884	0.32	**2898**	0.88	0.028	**0.22**	0.015
	January		0.043	0.14	6.0	**0.018**	0.14	**0.91**	0.0013	882	0.31	**2889**	0.84	0.028	**0.23**	0.015
	February		0.042	0.14	6.1	**0.017**	0.13	**0.91**	0.0014	883	0.30	**2892**	0.82	0.028	**0.24**	0.015
	March		0.058	0.13	5.4	**0.032**	0.31	0.84	0.0013	887	0.30	**2906**	0.77	0.027	**0.22**	0.014
	April		0.076	0.12	4.9	**0.047**	0.51	0.79	0.0012	889	0.31	**2912**	0.75	0.026	**0.20**	0.013
	May		0.053	0.12	4.8	**0.037**	0.29	0.79	0.0012	888	0.30	**2909**	0.73	0.026	**0.20**	0.013
	June	**2032**	0.058	0.12	5.0	**0.034**	0.32	0.81	0.0012	888	0.30	**2909**	0.75	0.026	**0.21**	0.014
	July		0.082	0.12	4.8	**0.050**	0.56	0.79	0.0012	889	0.31	**2914**	0.75	0.026	**0.20**	0.013
Operations	**August**		0.060	0.12	4.8	**0.043**	0.37	0.79	0.0012	890	0.30	**2915**	0.74	0.026	**0.20**	0.013
	September		0.051	0.13	5.0	**0.035**	0.27	0.82	0.0012	887	0.31	**2906**	0.75	0.026	**0.21**	0.014
	October		0.051	0.13	5.3	**0.029**	0.25	0.84	0.0012	886	0.30	**2904**	0.78	0.027	**0.21**	0.014
	November		0.045	0.14	5.8	**0.022**	0.18	**0.89**	0.0013	884	0.31	**2897**	0.81	0.028	**0.23**	0.015
	December		0.041	0.14	6.2	**0.018**	0.14	**0.90**	0.0013	883	0.31	**2894**	0.85	0.028	**0.23**	0.015
	January		0.041	0.14	5.7	**0.017**	0.14	**0.89**	0.0013	883	0.32	**2892**	0.85	0.028	**0.23**	0.015
	February		0.041	0.14	5.6	**0.017**	0.13	**0.89**	0.0013	883	0.32	**2894**	0.86	0.028	**0.23**	0.015
	March		0.043	0.14	5.5	**0.019**	0.15	**0.89**	0.0013	884	0.32	**2898**	0.86	0.028	**0.23**	0.015
	April		0.097	0.12	4.6	**0.047**	0.67	0.81	0.0012	885	0.31	**2899**	0.77	0.026	**0.21**	0.014
	May		0.052	0.12	4.4	**0.047**	0.31	0.79	0.0012	888	0.32	**2910**	0.77	0.026	**0.20**	0.014
	June	**2033**	0.060	0.12	4.4	**0.041**	0.35	0.79	0.0012	887	0.31	**2905**	0.75	0.026	**0.20**	0.013
	July		0.058	0.13	4.7	**0.038**	0.33	0.83	0.0012	887	0.32	**2905**	0.80	0.027	**0.21**	0.014
	August		0.066	0.12	4.5	**0.043**	0.41	0.80	0.0012	888	0.32	**2909**	0.77	0.026	**0.20**	0.014
	September		0.060	0.13	4.6	**0.039**	0.36	0.82	0.0012	887	0.31	**2906**	0.77	0.026	**0.21**	0.014
	October		0.056	0.13	4.8	**0.033**	0.30	0.82	0.0012	887	0.31	**2908**	0.77	0.027	**0.21**	0.014
	November		0.052	0.13	5.0	**0.031**	0.26	0.86	0.0013	885	0.31	**2900**	0.80	0.027	**0.22**	0.014
	December		0.042	0.14	5.5	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	January		0.042	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	February		0.042	0.14	5.5	**0.018**	0.14	**0.88**	0.0013	884	0.32	**2895**	0.85	0.028	**0.23**	0.015
	March		0.049	0.13	5.3	**0.026**	0.23	0.87	0.0013	884	0.32	**2898**	0.84	0.028	**0.22**	0.015
	April		0.078	0.12	4.7	**0.042**	0.49	0.81	0.0012	888	0.31	**2909**	0.78	0.026	**0.20**	0.014
	May		0.045	0.12	4.6	**0.035**	0.23	0.81	0.0012	888	0.30	**2910**	0.75	0.026	**0.21**	0.014
	June	**2034**	0.11	0.12	4.4	**0.052**	0.77	0.78	0.0012	886	0.31	**2903**	0.73	0.026	**0.20**	0.013
	July		0.092	0.12	4.2	**0.058**	0.65	0.77	0.0012	885	0.30	**2900**	0.70	0.025	**0.20**	0.013
	August		0.069	0.12	4.2	**0.057**	0.44	0.78	0.0012	885	0.31	**2901**	0.71	0.026	**0.20**	0.013
	September		0.070	0.12	4.4	**0.055**	0.48	0.79	0.0012	886	0.33	**2904**	0.77	0.026	**0.20**	0.014
	October		0.044	0.12	4.6	**0.038**	0.21	0.80	0.0012	889	0.32	**2913**	0.76	0.026	**0.20**	0.014
	November		0.046	0.13	5.1	**0.029**	0.19	0.86	0.0013	885	0.32	**2900**	0.81	0.027	**0.22**	0.014
	December		0.046	0.14	5.4	**0.023**	0.19	0.88	0.0013	884	0.31	**2897**	0.82	0.028	**0.22**	0.015
	January		0.042	0.14	5.6	**0.018**	0.14	**0.90**	0.0013	884	0.32	**2895**	0.85	0.028	**0.23**	0.015
	February	**2035**	0.045	0.14	5.4	**0.021**	0.17	**0.88**	0.0013	884	0.31	**2896**	0.84	0.028	**0.23**	0.015
	March		0.042	0.14	5.5	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**April**	**2035**	**23**	4.2	**0.081**	**0.000098**	457	60	**0.030**	0.034	**0.37**	**11**	**0.049**	0.37	60	0.11	0.000067
	May		**22**	3.8	**0.077**	**0.000095**	458	64	**0.029**	0.033	**0.35**	**10**	**0.047**	0.48	56	0.10	0.00011
	June		**22**	3.8	**0.078**	**0.000095**	457	66	**0.029**	0.033	**0.36**	**10**	**0.047**	0.39	58	0.10	0.00011
	July		**22**	3.8	**0.077**	**0.000095**	458	64	**0.029**	0.033	**0.35**	**10**	**0.047**	0.41	56	0.10	0.00011
	August		**23**	3.8	**0.079**	**0.000096**	457	64	**0.029**	0.033	**0.36**	**11**	**0.048**	0.39	56	0.10	0.00011
	September		**22**	3.9	**0.078**	**0.000095**	457	62	**0.029**	0.033	**0.36**	**10**	**0.047**	0.35	57	0.10	0.000098
	October		**23**	4.0	**0.079**	**0.000096**	457	57	**0.030**	0.033	**0.36**	**11**	**0.049**	0.27	57	0.11	0.000065
	November		**25**	4.5	**0.087**	**0.00010**	455	54	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.17	61	0.12	0.000029
	December		**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	January	**2036**	**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	February		**25**	4.8	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	March		**25**	4.5	**0.085**	**0.00010**	456	56	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.20	62	0.11	0.000037
	April		**22**	3.9	**0.077**	**0.000096**	457	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.60	56	0.10	0.00011
	May		**22**	3.8	**0.077**	**0.000095**	457	63	**0.029**	0.033	**0.35**	**10**	**0.047**	0.31	57	0.10	0.00011
	June		**23**	3.9	**0.078**	**0.000096**	458	62	**0.029**	0.033	**0.36**	**11**	**0.048**	0.36	57	0.10	0.000096
	July		**23**	3.9	**0.078**	**0.000096**	457	63	**0.029**	0.033	**0.36**	**10**	**0.048**	0.40	56	0.10	0.00011
	August		**23**	4.1	**0.081**	**0.000098**	457	58	**0.030**	0.034	**0.37**	**11**	**0.050**	0.28	59	0.11	0.000061
	September		**23**	4.0	**0.078**	**0.000095**	457	59	**0.029**	0.033	**0.36**	**11**	**0.048**	0.31	57	0.10	0.000079
	October		**24**	4.2	**0.082**	**0.000100**	457	58	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.29	58	0.11	0.000070
	November		**25**	4.6	**0.088**	**0.00010**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.053**	0.17	61	0.12	0.000032
	December		**25**	4.7	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	January	**2037**	**25**	4.5	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000019
	February		**24**	4.2	**0.084**	**0.00010**	456	56	**0.031**	**0.035**	**0.39**	**11**	**0.051**	0.23	60	0.11	0.000049
	March		**24**	4.3	**0.085**	**0.00010**	456	56	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.20	62	0.11	0.000039
	April		**22**	3.6	**0.077**	**0.000095**	457	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.53	57	0.10	0.00011
	May		**22**	3.7	**0.077**	**0.000094**	457	59	**0.029**	0.033	**0.36**	**10**	**0.047**	0.25	58	0.10	0.000081
	June		**22**	3.6	**0.077**	**0.000096**	458	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.57	57	0.10	0.00012
	July		**22**	3.5	**0.077**	**0.000095**	458	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.54	55	0.10	0.00013
	August		**22**	3.6	**0.077**	**0.000094**	458	65	**0.028**	0.033	**0.35**	**10**	**0.047**	0.35	58	0.10	0.00011
	September		**22**	3.6	**0.077**	**0.000094**	458	63	**0.028**	0.033	**0.35**	**10**	**0.047**	0.39	56	0.10	0.00011
	October		**24**	4.0	**0.083**	**0.00010**	456	58	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.22	60	0.11	0.000067
	November		**25**	4.4	**0.086**	**0.00010**	455	54	**0.032**	**0.035**	**0.39**	**12**	**0.053**	0.16	62	0.11	0.000027
	December		**25**	4.5	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000020
	January	**2038**	**25**	4.5	**0.088**	**0.00010**	455	53	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000021
	February		**25**	4.5	**0.087**	**0.00010**	455	54	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.14	63	0.12	0.000022
	March		**23**	3.8	**0.078**	**0.000096**	458	61	**0.029**	0.033	**0.36**	**11**	**0.048**	0.36	57	0.10	0.000088
	April		**23**	3.7	**0.079**	**0.000098**	457	66	**0.029**	0.033	**0.36**	**11**	**0.048**	0.50	56	0.11	0.00011
	May		**22**	3.7	**0.078**	**0.000095**	458	60	**0.029**	0.033	**0.36**	**10**	**0.048**	0.29	56	0.10	0.000094
	June		**24**	3.9	**0.082**	**0.000100**	457	59	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.33	58	0.11	0.000073
	July		**23**	3.7	**0.079**	**0.000096**	457	64	**0.029**	0.033	**0.36**	**11**	**0.048**	0.38	57	0.10	0.00010
	August		**23**	3.8	**0.081**	**0.000098**	457	61	**0.030**	0.034	**0.37**	**11**	**0.049**	0.33	57	0.11	0.000088
	September		**23**	3.8	**0.078**	**0.000096**	458	64	**0.029**	0.033	**0.36**	**10**	**0.048**	0.45	58	0.10	0.000098
	October		**22**	3.6	**0.078**	**0.000095**	457	62	**0.029**	0.033	**0.36**	**10**	**0.048**	0.33	56	0.10	0.00010
	November		**25**	4.2	**0.086**	**0.00010**	455	57	**0.032**	**0.036**	**0.39**	**12**	**0.053**	0.20	61	0.11	0.000056
	December		**25**	4.5	**0.088**	**0.00010**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000023
	January	**2039**	**25**	4.5	**0.088**	**0.00010**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000023
	February		**24**	4.0	**0.082**	**0.000099**	457	60	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.28	60	0.11	0.000071
	March		**25**	4.2	**0.085**	**0.00010**	455	58	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.23	61	0.11	0.000055
	April		**24**	4.1	**0.082**	**0.000099**	457	58	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.26	60	0.11	0.000060
	May		**24**	4.1	**0.084**	**0.00010**	457	60	**0.031**	**0.035**	**0.39**	**11**	**0.051**	0.27	61	0.11	0.000063
	June		**24**	4.1	**0.083**	**0.00010**	456	58	**0.031**	**0.034**	**0.38**	**11**	**0.051**	0.30	60	0.11	0.000056
	July		**22**	3.6	**0.077**	**0.000095**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.43	56	0.10	0.00012
	August		**22**	3.5	**0.076**	**0.000096**	457	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.61	54	0.10	0.00014
	September		**22**	3.6	**0.077**	**0.000095**	458	63	**0.029**	0.033	**0.35**	**10**	**0.047**	0.32	57	0.10	0.00011
	October		**23**	3.7	**0.079**	**0.000097**	458	62	**0.029**	0.033	**0.36**	**11**	**0.048**	0.33	57	0.11	0.00010
	November		**24**	4.1	**0.085**	**0.00010**	456	58	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.23	60	0.11	0.000061
	December		**25**	4.5	**0.088**	**0.00010**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000025
	January	**2040**	**25**	4.7	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000025
	February		**25**	4.8	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000026
	March		**23**	4.0	**0.078**	**0.000097**	458	65	**0.029**	0.033	**0.36**	**11**	**0.048**	0.46	58	0.10	0.000098
	April		**22**	3.8	**0.077**	**0.000095**	458	62	**0.029**	0.032	**0.35**	**10**	**0.047**	0.35	56	0.10	0.00010
	May		**23**	3.9	**0.079**	**0.000097**	458	63	**0.029**	0.033	**0.36**	**11**	**0.048**	0.41	56	0.10	0.00011
	June		**22**	3.8	**0.077**	**0.000095**	458	66	**0.028**	0.032	**0.35**	**10**	**0.047**	0.48	55	0.10	0.00012

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.067	0.13	4.9	**0.034**	0.37	0.83	0.0012	888	0.32	**2909**	0.81	0.027	**0.21**	0.014
	May		0.075	0.12	4.4	**0.045**	0.49	0.79	0.0012	888	0.31	**2911**	0.75	0.026	**0.20**	0.013
	June		0.062	0.12	4.5	**0.046**	0.39	0.80	0.0012	888	0.32	**2909**	0.78	0.026	**0.20**	0.014
	July		0.066	0.12	4.4	**0.045**	0.42	0.79	0.0012	890	0.31	**2915**	0.76	0.026	**0.20**	0.013
	August		0.064	0.12	4.5	**0.045**	0.39	0.80	0.0012	887	0.31	**2908**	0.76	0.026	**0.20**	0.014
	September		0.060	0.12	4.5	**0.041**	0.35	0.80	0.0012	888	0.31	**2909**	0.76	0.026	**0.20**	0.014
	October		0.051	0.13	4.7	**0.031**	0.27	0.82	0.0012	887	0.31	**2908**	0.77	0.026	**0.21**	0.014
	November		0.043	0.14	5.3	**0.021**	0.17	**0.89**	0.0013	884	0.31	**2895**	0.83	0.028	**0.23**	0.015
	December		0.042	0.14	5.5	**0.017**	0.14	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January	2036	0.042	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	February		0.042	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	March		0.047	0.13	5.4	**0.023**	0.19	0.87	0.0013	885	0.32	**2899**	0.84	0.028	**0.22**	0.015
	April		0.092	0.12	4.5	**0.049**	0.62	0.79	0.0012	888	0.32	**2909**	0.77	0.026	**0.20**	0.014
	May		0.052	0.12	4.5	**0.043**	0.31	0.79	0.0012	888	0.31	**2909**	0.76	0.026	**0.20**	0.013
	June		0.063	0.12	4.6	**0.040**	0.36	0.80	0.0012	888	0.31	**2911**	0.76	0.026	**0.20**	0.014
	July		0.065	0.12	4.5	**0.044**	0.40	0.80	0.0012	887	0.31	**2907**	0.75	0.026	**0.20**	0.014
	August		0.053	0.13	4.9	**0.030**	0.28	0.83	0.0012	887	0.31	**2906**	0.79	0.027	**0.21**	0.014
	September		0.056	0.12	4.6	**0.036**	0.31	0.81	0.0012	887	0.31	**2908**	0.77	0.026	**0.20**	0.014
	October		0.055	0.13	4.9	**0.033**	0.29	0.84	0.0013	887	0.31	**2905**	0.78	0.027	**0.21**	0.014
	November		0.043	0.14	5.5	**0.021**	0.16	**0.89**	0.0013	883	0.31	**2894**	0.83	0.028	**0.23**	0.015
	December		0.042	0.14	5.6	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January	2037	0.042	0.14	5.4	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.050	0.13	4.9	**0.027**	0.23	0.86	0.0013	885	0.31	**2901**	0.81	0.027	**0.22**	0.014
	March		0.048	0.13	5.1	**0.023**	0.20	0.87	0.0013	886	0.32	**2902**	0.83	0.028	**0.22**	0.014
	April		0.080	0.12	4.2	**0.048**	0.55	0.79	0.0012	886	0.32	**2903**	0.77	0.026	**0.20**	0.013
	May		0.048	0.12	4.4	**0.035**	0.24	0.80	0.0012	887	0.31	**2906**	0.77	0.026	**0.20**	0.013
	June		0.086	0.12	4.2	**0.050**	0.58	0.79	0.0012	888	0.32	**2910**	0.77	0.026	**0.20**	0.013
	July		0.081	0.12	4.1	**0.053**	0.56	0.79	0.0012	888	0.32	**2911**	0.74	0.026	**0.20**	0.013
	August		0.057	0.12	4.2	**0.045**	0.35	0.79	0.0012	889	0.32	**2915**	0.77	0.026	**0.20**	0.013
	September		0.063	0.12	4.2	**0.044**	0.39	0.79	0.0012	890	0.31	**2916**	0.75	0.026	**0.20**	0.013
	October		0.047	0.13	4.7	**0.031**	0.22	0.85	0.0013	886	0.32	**2902**	0.80	0.027	**0.22**	0.014
	November		0.043	0.14	5.2	**0.020**	0.16	**0.88**	0.0013	884	0.32	**2895**	0.84	0.028	**0.22**	0.015
	December		0.042	0.14	5.3	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January	2038	0.042	0.14	5.3	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.042	0.14	5.3	**0.018**	0.14	**0.89**	0.0013	883	0.32	**2893**	0.86	0.028	**0.23**	0.015
	March		0.063	0.12	4.4	**0.038**	0.36	0.81	0.0012	889	0.31	**2912**	0.77	0.026	**0.20**	0.014
	April		0.077	0.12	4.3	**0.048**	0.51	0.81	0.0012	888	0.32	**2909**	0.76	0.026	**0.21**	0.014
	May		0.054	0.12	4.3	**0.038**	0.29	0.80	0.0012	889	0.31	**2912**	0.75	0.026	**0.20**	0.014
	June		0.062	0.13	4.6	**0.034**	0.34	0.84	0.0013	886	0.31	**2904**	0.78	0.027	**0.21**	0.014
	July		0.063	0.12	4.3	**0.042**	0.38	0.81	0.0012	887	0.32	**2907**	0.77	0.026	**0.20**	0.014
	August		0.058	0.13	4.5	**0.037**	0.33	0.82	0.0012	887	0.31	**2907**	0.77	0.027	**0.21**	0.014
	September		0.075	0.12	4.4	**0.042**	0.46	0.81	0.0012	888	0.32	**2910**	0.79	0.027	**0.20**	0.014
	October		0.055	0.12	4.2	**0.041**	0.33	0.80	0.0012	888	0.31	**2909**	0.75	0.026	**0.20**	0.014
	November		0.046	0.14	5.0	**0.027**	0.20	0.88	0.0013	884	0.32	**2897**	0.82	0.028	**0.22**	0.015
	December		0.042	0.14	5.3	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	January	2039	0.043	0.14	5.3	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.055	0.13	4.7	**0.032**	0.28	0.84	0.0012	887	0.32	**2906**	0.81	0.027	**0.21**	0.014
	March		0.051	0.13	5.0	**0.027**	0.23	0.87	0.0013	884	0.32	**2897**	0.82	0.028	**0.22**	0.015
	April		0.054	0.13	4.8	**0.029**	0.26	0.84	0.0012	886	0.32	**2905**	0.81	0.027	**0.21**	0.014
	May		0.054	0.13	4.9	**0.030**	0.27	0.86	0.0013	886	0.32	**2904**	0.83	0.028	**0.22**	0.014
	June		0.060	0.13	4.8	**0.028**	0.30	0.85	0.0013	886	0.32	**2902**	0.81	0.027	**0.22**	0.014
	July		0.069	0.12	4.2	**0.046**	0.44	0.79	0.0012	889	0.32	**2913**	0.76	0.026	**0.20**	0.013
	August		0.089	0.12	4.1	**0.056**	0.63	0.78	0.0012	886	0.32	**2904**	0.73	0.026	**0.20**	0.013
	September		0.056	0.12	4.2	**0.041**	0.32	0.80	0.0012	889	0.32	**2913**	0.76	0.026	**0.20**	0.013
	October		0.059	0.12	4.4	**0.040**	0.33	0.81	0.0012	888	0.32	**2910**	0.76	0.026	**0.21**	0.014
	November		0.049	0.13	4.9	**0.028**	0.23	0.87	0.0013	885	0.32	**2901**	0.81	0.027	**0.22**	0.015
	December		0.043	0.14	5.3	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January	2040	0.044	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	February		0.044	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	March		0.077	0.12	4.7	**0.042**	0.48	0.80	0.0012	889	0.32	**2912**	0.78	0.026	**0.20**	0.014
	April		0.062	0.12	4.5	**0.040**	0.35	0.79	0.0012	889	0.31	**2913**	0.75	0.026	**0.20**	0.013
	May		0.071	0.12	4.6	**0.042**	0.42	0.80	0.0012	889	0.31	**2912**	0.75	0.026	**0.20**	0.014
	June		0.077	0.12	4.4	**0.047**	0.50	0.79	0.0012	888	0.31	**2910**	0.75	0.026	**0.20**	0.013

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July		**22**	3.7	**0.076**	**0.000096**	457	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.52	55	0.10	0.00014
	August		**23**	3.9	**0.078**	**0.000096**	457	60	**0.029**	0.033	**0.36**	**11**	**0.048**	0.24	57	0.10	0.000096
	September	**2040**	**23**	4.1	**0.081**	**0.000098**	457	60	**0.030**	0.034	**0.37**	**11**	**0.049**	0.29	59	0.11	0.000079
	October		**23**	4.1	**0.081**	**0.000100**	457	62	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.34	58	0.11	0.000093
	November		**25**	4.6	**0.087**	**0.00010**	455	55	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.17	62	0.12	0.000036
	December		**25**	4.8	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000026
	January		**25**	4.8	**0.087**	**0.00010**	455	54	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.14	63	0.12	0.000027
	February		**25**	4.8	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000028
	March		**24**	4.6	**0.085**	**0.00010**	456	57	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.23	62	0.11	0.000047
	April		**23**	4.0	**0.079**	**0.000098**	456	63	**0.030**	0.033	**0.36**	**11**	**0.048**	0.50	57	0.11	0.000099
	May		**22**	3.9	**0.078**	**0.000096**	457	64	**0.029**	0.033	**0.36**	**10**	**0.048**	0.27	57	0.10	0.00011
	June	**2041**	**23**	4.2	**0.081**	**0.000100**	457	61	**0.030**	0.034	**0.37**	**11**	**0.050**	0.32	59	0.11	0.000078
	July		**23**	3.9	**0.078**	**0.000097**	458	65	**0.029**	0.033	**0.36**	**11**	**0.048**	0.47	57	0.10	0.00011
	August		**22**	3.7	**0.076**	**0.000097**	456	69	**0.028**	0.033	**0.35**	**10**	**0.047**	0.85	52	0.10	0.00015
	September		**22**	3.7	**0.076**	**0.000095**	456	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.34	53	0.10	0.00015
	October		**23**	3.9	**0.078**	**0.000097**	458	64	**0.029**	0.033	**0.36**	**11**	**0.048**	0.29	57	0.10	0.00012
	November		**24**	4.2	**0.082**	**0.00010**	457	59	**0.031**	**0.035**	**0.38**	**11**	**0.050**	0.17	60	0.11	0.000082
	December		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000032
	January		**25**	4.8	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000028
	February		**25**	4.8	**0.088**	**0.00011**	455	54	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**25**	4.6	**0.085**	**0.00010**	455	56	**0.032**	**0.035**	**0.39**	**11**	**0.052**	0.19	62	0.11	0.000044
	April		**23**	4.2	**0.080**	**0.000099**	456	65	**0.030**	0.033	**0.37**	**11**	**0.049**	0.47	60	0.11	0.000093
	May		**23**	3.9	**0.078**	**0.000096**	458	62	**0.029**	0.033	**0.36**	**10**	**0.048**	0.27	57	0.10	0.00010
	June	**2042**	**22**	3.8	**0.077**	**0.000097**	458	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.61	56	0.10	0.00013
	July		**22**	3.7	**0.076**	**0.000096**	456	71	**0.028**	0.033	**0.35**	**10**	**0.047**	0.52	53	0.10	0.00015
	August		**22**	3.7	**0.076**	**0.000096**	456	72	**0.028**	0.033	**0.35**	**10**	**0.047**	0.55	55	0.10	0.00016
	September		**22**	3.8	**0.077**	**0.000096**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.46	56	0.10	0.00013
	October		**22**	3.8	**0.078**	**0.000097**	456	70	**0.029**	0.033	**0.36**	**10**	**0.047**	0.42	57	0.10	0.00014
	November		**23**	4.2	**0.081**	**0.000099**	457	59	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.16	60	0.11	0.000079
	December		**25**	4.8	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000032
	January		**25**	4.8	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
Operations	**February**		**25**	4.8	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**25**	4.8	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	April		**23**	4.2	**0.081**	**0.00010**	456	61	**0.030**	0.034	**0.37**	**11**	**0.049**	0.47	59	0.11	0.000078
	May		**22**	3.8	**0.077**	**0.000095**	457	69	**0.028**	0.033	**0.35**	**10**	**0.047**	0.36	57	0.10	0.00013
	June	**2043**	**22**	3.8	**0.077**	**0.000096**	458	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.51	55	0.10	0.00013
	July		**22**	3.8	**0.077**	**0.000097**	457	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.53	55	0.10	0.00013
	August		**22**	3.7	**0.076**	**0.000096**	456	72	**0.028**	0.033	**0.35**	**10**	**0.047**	0.56	54	0.10	0.00016
	September		**22**	3.7	**0.077**	**0.000097**	457	71	**0.028**	0.033	**0.35**	**10**	**0.047**	0.58	55	0.10	0.00015
	October		**22**	3.8	**0.077**	**0.000097**	457	69	**0.029**	0.033	**0.35**	**10**	**0.047**	0.40	57	0.10	0.00014
	November		**22**	3.9	**0.077**	**0.000096**	458	61	**0.029**	0.033	**0.35**	**10**	**0.047**	0.26	57	0.10	0.00010
	December		**25**	4.6	**0.087**	**0.00011**	455	57	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.16	62	0.12	0.000057
	January		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000031
	February		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**25**	4.6	**0.086**	**0.00010**	455	56	**0.032**	**0.035**	**0.40**	**12**	**0.053**	0.17	63	0.11	0.000034
	April		**22**	3.8	**0.077**	**0.000095**	458	64	**0.028**	0.032	**0.35**	**10**	**0.047**	0.41	56	0.10	0.00011
	May		**23**	3.9	**0.079**	**0.000097**	458	60	**0.029**	0.033	**0.36**	**11**	**0.048**	0.31	57	0.10	0.000090
	June	**2044**	**24**	4.1	**0.082**	**0.00010**	457	61	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.32	59	0.11	0.000080
	July		**22**	3.7	**0.077**	**0.000096**	458	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.52	56	0.10	0.00013
	August		**22**	3.8	**0.077**	**0.000096**	458	61	**0.029**	0.033	**0.35**	**10**	**0.047**	0.30	57	0.10	0.00010
	September		**23**	4.0	**0.080**	**0.000099**	457	61	**0.030**	0.034	**0.37**	**11**	**0.049**	0.31	58	0.11	0.000087
	October		**24**	4.3	**0.083**	**0.00010**	456	58	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.25	60	0.11	0.000066
	November		**25**	4.6	**0.087**	**0.00011**	455	56	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.17	63	0.12	0.000040
	December		**25**	4.7	**0.087**	**0.00011**	455	55	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.14	63	0.12	0.000030
	January		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	February		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**24**	4.5	**0.085**	**0.00010**	456	58	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.31	63	0.11	0.000048
	April		**23**	3.8	**0.078**	**0.000097**	458	63	**0.029**	0.033	**0.36**	**10**	**0.048**	0.32	55	0.10	0.00011
	May	**2045**	**22**	3.8	**0.077**	**0.000096**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.41	57	0.10	0.00012
	June		**23**	3.8	**0.079**	**0.000098**	458	65	**0.029**	0.033	**0.36**	**11**	**0.048**	0.43	57	0.10	0.00012
	July		**22**	3.8	**0.077**	**0.000097**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.43	56	0.10	0.00012
	August		**22**	3.8	**0.078**	**0.000096**	457	63	**0.029**	0.033	**0.36**	**10**	**0.047**	0.36	56	0.10	0.00011
	September		**23**	4.0	**0.081**	**0.000100**	457	62	**0.030**	0.034	**0.37**	**11**	**0.049**	0.33	58	0.11	0.000093

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.078	0.12	4.4	**0.054**	0.53	0.78	0.0012	887	0.32	**2907**	0.74	0.026	**0.20**	0.013
	August		0.049	0.12	4.6	**0.036**	0.23	0.80	0.0012	888	0.32	**2909**	0.76	0.026	**0.20**	0.014
	September		0.057	0.13	4.9	**0.034**	0.29	0.83	0.0012	886	0.32	**2905**	0.79	0.027	**0.21**	0.014
	October	**2040**	0.061	0.13	4.8	**0.038**	0.34	0.83	0.0013	887	0.32	**2907**	0.78	0.027	**0.21**	0.014
	November		0.045	0.14	5.4	**0.020**	0.16	**0.89**	0.0013	883	0.32	**2895**	0.83	0.028	**0.23**	0.015
	December		0.044	0.14	5.6	**0.017**	0.14	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January		0.044	0.14	5.6	**0.017**	0.13	**0.89**	0.0013	882	0.32	**2892**	0.86	0.028	**0.23**	0.015
	February		0.044	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	March		0.054	0.13	5.4	**0.024**	0.22	0.87	0.0013	886	0.32	**2903**	0.84	0.028	**0.22**	0.014
	April		0.083	0.13	4.7	**0.041**	0.51	0.81	0.0012	885	0.32	**2901**	0.77	0.026	**0.21**	0.014
	May		0.049	0.12	4.6	**0.041**	0.26	0.80	0.0012	887	0.32	**2905**	0.77	0.026	**0.20**	0.014
	June	**2041**	0.063	0.13	4.9	**0.034**	0.33	0.83	0.0012	887	0.32	**2906**	0.80	0.027	**0.21**	0.014
	July		0.078	0.12	4.6	**0.045**	0.48	0.80	0.0012	888	0.32	**2910**	0.77	0.026	**0.20**	0.014
	August		0.12	0.12	4.2	**0.059**	0.89	0.78	0.0012	885	0.31	**2899**	0.70	0.025	**0.20**	0.013
	September		0.056	0.12	4.3	**0.055**	0.33	0.78	0.0012	886	0.31	**2903**	0.72	0.026	**0.20**	0.013
	October		0.056	0.12	4.5	**0.043**	0.28	0.80	0.0012	889	0.32	**2912**	0.75	0.026	**0.20**	0.014
	November		0.043	0.13	4.9	**0.031**	0.16	0.84	0.0013	887	0.32	**2906**	0.79	0.027	**0.21**	0.014
	December		0.045	0.14	5.6	**0.018**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	January		0.045	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.045	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	March		0.050	0.13	5.4	**0.022**	0.18	0.87	0.0013	884	0.32	**2897**	0.83	0.028	**0.22**	0.015
	April		0.079	0.13	4.9	**0.040**	0.48	0.82	0.0012	885	0.33	**2902**	0.81	0.027	**0.21**	0.014
	May		0.051	0.12	4.6	**0.038**	0.26	0.80	0.0012	888	0.32	**2911**	0.76	0.026	**0.20**	0.014
	June		0.097	0.12	4.4	**0.050**	0.63	0.79	0.0012	889	0.32	**2912**	0.75	0.026	**0.20**	0.013
	July	**2042**	0.079	0.12	4.3	**0.058**	0.53	0.78	0.0012	885	0.32	**2899**	0.72	0.026	**0.20**	0.013
	August		0.084	0.12	4.3	**0.057**	0.56	0.78	0.0012	886	0.33	**2902**	0.74	0.026	**0.20**	0.013
	September		0.077	0.12	4.4	**0.048**	0.47	0.79	0.0012	888	0.32	**2911**	0.75	0.026	**0.20**	0.013
	October		0.065	0.12	4.4	**0.052**	0.42	0.79	0.0012	886	0.33	**2902**	0.76	0.026	**0.20**	0.014
	November		0.042	0.13	4.9	**0.030**	0.15	0.84	0.0013	887	0.33	**2906**	0.80	0.027	**0.21**	0.014
	December		0.045	0.14	5.6	**0.018**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	January		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
Operations	**February**		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	March		0.046	0.14	5.7	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	April		0.085	0.13	5.0	**0.034**	0.48	0.83	0.0012	886	0.32	**2903**	0.80	0.027	**0.21**	0.014
	May		0.059	0.12	4.5	**0.048**	0.36	0.79	0.0012	888	0.33	**2909**	0.77	0.026	**0.20**	0.013
	June		0.082	0.12	4.4	**0.049**	0.52	0.79	0.0012	888	0.32	**2911**	0.75	0.026	**0.20**	0.013
	July	**2043**	0.085	0.12	4.4	**0.049**	0.54	0.79	0.0012	888	0.32	**2909**	0.75	0.026	**0.20**	0.013
	August		0.085	0.12	4.3	**0.059**	0.57	0.78	0.0012	885	0.32	**2899**	0.72	0.026	**0.20**	0.013
	September		0.088	0.12	4.3	**0.056**	0.60	0.78	0.0012	887	0.33	**2905**	0.74	0.026	**0.20**	0.014
	October		0.066	0.12	4.4	**0.052**	0.40	0.79	0.0012	887	0.33	**2906**	0.75	0.026	**0.20**	0.014
	November		0.051	0.12	4.6	**0.038**	0.25	0.79	0.0012	889	0.32	**2913**	0.75	0.026	**0.20**	0.013
	December		0.047	0.14	5.4	**0.025**	0.15	**0.89**	0.0013	883	0.33	**2894**	0.83	0.028	**0.23**	0.015
	January		0.046	0.14	5.6	**0.018**	0.14	**0.90**	0.0013	883	0.32	**2895**	0.86	0.028	**0.23**	0.015
	February		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	March		0.049	0.14	5.5	**0.019**	0.16	**0.88**	0.0013	884	0.33	**2896**	0.85	0.028	**0.22**	0.015
	April		0.070	0.12	4.4	**0.042**	0.42	0.79	0.0012	889	0.31	**2913**	0.76	0.026	**0.20**	0.013
	May		0.061	0.12	4.6	**0.036**	0.31	0.81	0.0012	888	0.31	**2910**	0.76	0.026	**0.21**	0.014
	June		0.062	0.13	4.9	**0.034**	0.32	0.84	0.0013	886	0.32	**2904**	0.80	0.027	**0.21**	0.014
	July	**2044**	0.082	0.12	4.4	**0.050**	0.54	0.79	0.0012	889	0.32	**2914**	0.75	0.026	**0.20**	0.013
	August		0.057	0.12	4.5	**0.039**	0.29	0.79	0.0012	888	0.32	**2910**	0.75	0.026	**0.20**	0.013
	September		0.060	0.13	4.7	**0.035**	0.31	0.82	0.0012	887	0.32	**2906**	0.78	0.027	**0.21**	0.014
	October		0.054	0.13	5.0	**0.029**	0.24	0.85	0.0013	886	0.32	**2903**	0.80	0.027	**0.22**	0.014
	November		0.048	0.14	5.4	**0.021**	0.17	**0.89**	0.0013	884	0.33	**2896**	0.85	0.028	**0.23**	0.015
	December		0.046	0.14	5.5	**0.018**	0.14	**0.89**	0.0013	883	0.32	**2893**	0.86	0.028	**0.23**	0.015
	January		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2892**	0.85	0.028	**0.23**	0.015
	March		0.067	0.13	5.3	**0.024**	0.31	0.87	0.0013	885	0.33	**2900**	0.84	0.028	**0.22**	0.014
	April		0.056	0.12	4.5	**0.041**	0.32	0.80	0.0012	888	0.31	**2911**	0.74	0.026	**0.20**	0.014
	May	**2045**	0.071	0.12	4.4	**0.045**	0.42	0.79	0.0012	889	0.32	**2911**	0.77	0.026	**0.20**	0.013
	June		0.073	0.12	4.5	**0.045**	0.44	0.80	0.0012	889	0.32	**2912**	0.76	0.026	**0.20**	0.014
	July		0.071	0.12	4.4	**0.046**	0.44	0.79	0.0012	888	0.32	**2911**	0.76	0.026	**0.20**	0.014
	August		0.064	0.12	4.5	**0.042**	0.36	0.80	0.0012	888	0.32	**2909**	0.75	0.026	**0.20**	0.014
	September		0.063	0.13	4.7	**0.037**	0.34	0.83	0.0012	887	0.32	**2907**	0.78	0.027	**0.21**	0.014

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	**24**	4.2	**0.082**	**0.00010**	456	60	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.28	59	0.11	0.000075
	November		**24**	4.4	**0.085**	**0.00010**	456	57	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.21	62	0.11	0.000051
	December		**25**	4.6	**0.087**	**0.00010**	456	55	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.15	63	0.12	0.000032
	January	**2046**	**25**	4.6	**0.087**	**0.00010**	455	56	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.17	62	0.11	0.000040
	February		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**24**	4.3	**0.082**	**0.00010**	457	59	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.28	60	0.11	0.000066
	April		**23**	4.0	**0.081**	**0.000099**	458	60	**0.030**	0.034	**0.37**	**11**	**0.049**	0.28	57	0.11	0.000088
	May		**22**	3.8	**0.077**	**0.000096**	458	60	**0.029**	0.032	**0.35**	**10**	**0.047**	0.35	56	0.10	0.000090
	June		**23**	3.9	**0.078**	**0.000098**	458	64	**0.029**	0.033	**0.36**	**11**	**0.048**	0.44	58	0.10	0.00010
	July		**22**	3.7	**0.077**	**0.000096**	458	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.52	55	0.10	0.00013
	August		**22**	3.7	**0.077**	**0.000096**	457	69	**0.028**	0.033	**0.35**	**10**	**0.047**	0.53	55	0.10	0.00014
	September		**22**	3.7	**0.077**	**0.000096**	458	69	**0.028**	0.033	**0.35**	**10**	**0.047**	0.46	57	0.10	0.00014
	October		**22**	3.7	**0.077**	**0.000095**	458	63	**0.028**	0.032	**0.35**	**10**	**0.047**	0.36	56	0.10	0.00011
	November		**23**	4.0	**0.081**	**0.000100**	456	59	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.21	59	0.11	0.000088
	December		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000035
	January	**2047**	**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	February		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000029
	March		**25**	4.5	**0.086**	**0.00010**	456	56	**0.032**	**0.035**	**0.39**	**12**	**0.052**	0.18	62	0.11	0.000042
	April		**23**	4.1	**0.081**	**0.000100**	457	63	**0.030**	0.034	**0.37**	**11**	**0.049**	0.42	58	0.11	0.000090
	May		**22**	3.7	**0.077**	**0.000095**	458	64	**0.028**	0.032	**0.35**	**10**	**0.047**	0.39	55	0.10	0.00011
	June		**23**	3.9	**0.079**	**0.000097**	458	62	**0.029**	0.033	**0.36**	**11**	**0.048**	0.31	57	0.10	0.000098
	July		**22**	3.7	**0.077**	**0.000096**	458	69	**0.028**	0.032	**0.35**	**10**	**0.047**	0.56	56	0.10	0.00013
	August		**22**	3.7	**0.077**	**0.000097**	457	70	**0.029**	0.033	**0.35**	**10**	**0.047**	0.53	55	0.10	0.00014
	September		**22**	3.8	**0.077**	**0.000096**	458	65	**0.029**	0.033	**0.35**	**10**	**0.047**	0.39	57	0.10	0.00012
	October		**23**	3.9	**0.079**	**0.000098**	458	61	**0.029**	0.033	**0.36**	**11**	**0.048**	0.27	57	0.11	0.00010
	November		**25**	4.4	**0.086**	**0.00010**	455	57	**0.032**	**0.035**	**0.39**	**12**	**0.052**	0.20	61	0.11	0.000053
	December		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000033
	January	**2048**	**25**	4.6	**0.087**	**0.00011**	455	56	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.16	63	0.12	0.000036
	February		**25**	4.7	**0.087**	**0.00011**	455	55	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.15	63	0.12	0.000033
	March		**25**	4.7	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000031
	April		**24**	4.3	**0.083**	**0.00010**	457	60	**0.031**	**0.034**	**0.38**	**11**	**0.050**	0.30	60	0.11	0.000069
	May		**24**	4.2	**0.083**	**0.00010**	456	59	**0.031**	**0.034**	**0.38**	**11**	**0.051**	0.24	59	0.11	0.000074
	June		**23**	4.0	**0.079**	**0.000098**	457	60	**0.029**	0.033	**0.36**	**11**	**0.048**	0.29	59	0.11	0.000078
	July		**22**	3.7	**0.077**	**0.000098**	457	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.78	55	0.10	0.00013
	August		**22**	3.6	**0.076**	**0.000096**	456	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.52	52	0.10	0.00015
	September		**22**	3.6	**0.076**	**0.000096**	456	70	**0.028**	0.033	**0.35**	**10**	**0.047**	0.45	53	0.10	0.00015
	October		**22**	3.8	**0.077**	**0.000096**	459	65	**0.029**	0.033	**0.35**	**10**	**0.047**	0.28	58	0.10	0.00013
	November		**24**	4.3	**0.084**	**0.00010**	456	58	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.15	61	0.11	0.000073
	December		**25**	4.6	**0.087**	**0.00011**	456	57	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.18	62	0.11	0.000046
	January	**2049**	**24**	4.4	**0.084**	**0.00010**	456	59	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.25	61	0.11	0.000066
	February		**25**	4.7	**0.088**	**0.00011**	455	56	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000038
	March		**24**	4.5	**0.084**	**0.00010**	456	59	**0.031**	**0.035**	**0.38**	**11**	**0.051**	0.28	62	0.11	0.000054
	April		**23**	3.9	**0.079**	**0.000097**	458	59	**0.029**	0.033	**0.36**	**11**	**0.048**	0.24	57	0.11	0.000088
	May		**23**	4.0	**0.079**	**0.000098**	457	62	**0.029**	0.033	**0.36**	**11**	**0.048**	0.36	58	0.11	0.000095
	June		**22**	3.8	**0.078**	**0.000097**	458	66	**0.029**	0.033	**0.36**	**10**	**0.047**	0.42	56	0.10	0.00012
	July		**22**	3.7	**0.077**	**0.000097**	458	71	**0.029**	0.033	**0.35**	**10**	**0.047**	0.62	55	0.10	0.00015
	August		**22**	3.7	**0.076**	**0.000097**	457	71	**0.028**	0.033	**0.35**	**10**	**0.047**	0.52	56	0.10	0.00015
	September		**22**	3.7	**0.077**	**0.000097**	457	70	**0.029**	0.033	**0.35**	**10**	**0.047**	0.54	56	0.10	0.00015
	October		**22**	3.7	**0.077**	**0.000097**	458	70	**0.029**	0.033	**0.35**	**10**	**0.047**	0.44	57	0.10	0.00014
	November		**22**	3.8	**0.078**	**0.000096**	459	61	**0.029**	0.033	**0.36**	**10**	**0.047**	0.25	57	0.10	0.00011
	December		**25**	4.5	**0.087**	**0.00011**	455	56	**0.032**	**0.036**	**0.40**	**12**	**0.053**	0.15	62	0.12	0.000052
	January	**2050**	**25**	4.5	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000036
	February		**25**	4.5	**0.088**	**0.00011**	455	55	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000036
	March		**25**	4.4	**0.086**	**0.00010**	455	57	**0.032**	**0.035**	**0.39**	**12**	**0.053**	0.17	63	0.11	0.000045
	April		**22**	3.7	**0.077**	**0.000097**	458	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.47	58	0.10	0.00011
	May		**23**	3.8	**0.080**	**0.000099**	457	62	**0.030**	0.034	**0.37**	**11**	**0.049**	0.28	57	0.11	0.00010
	June		**23**	3.7	**0.078**	**0.000098**	457	66	**0.029**	0.033	**0.36**	**10**	**0.048**	0.42	57	0.10	0.00012
	July		**24**	4.0	**0.082**	**0.00010**	457	61	**0.030**	0.034	**0.37**	**11**	**0.050**	0.28	60	0.11	0.000082
	August		**23**	3.9	**0.081**	**0.000100**	457	61	**0.030**	0.034	**0.37**	**11**	**0.050**	0.30	58	0.11	0.000090
	September		**22**	3.7	**0.077**	**0.000097**	458	66	**0.029**	0.033	**0.35**	**10**	**0.047**	0.44	57	0.10	0.00011
	October		**24**	3.9	**0.082**	**0.00010**	457	61	**0.030**	**0.034**	**0.37**	**11**	**0.050**	0.26	58	0.11	0.000094
	November		**24**	4.2	**0.085**	**0.00010**	456	58	**0.031**	**0.035**	**0.39**	**11**	**0.052**	0.21	61	0.11	0.000062
	December		**25**	4.4	**0.088**	**0.00011**	455	56	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.15	63	0.12	0.000041

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.058	0.13	4.9	**0.032**	0.28	0.84	0.0013	886	0.32	**2902**	0.79	0.027	**0.21**	0.014
	November	**2045**	0.049	0.13	5.2	**0.024**	0.20	0.87	0.0013	885	0.32	**2900**	0.83	0.028	**0.22**	0.014
	December		0.046	0.14	5.5	**0.018**	0.14	**0.89**	0.0013	884	0.32	**2897**	0.85	0.028	**0.23**	0.015
	January		0.048	0.14	5.4	**0.021**	0.17	**0.89**	0.0013	884	0.32	**2896**	0.84	0.028	**0.23**	0.015
	February		0.046	0.14	5.6	**0.017**	0.14	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	March		0.061	0.13	5.0	**0.029**	0.28	0.84	0.0013	887	0.32	**2906**	0.81	0.027	**0.21**	0.014
	April		0.056	0.13	4.7	**0.035**	0.28	0.82	0.0012	888	0.31	**2910**	0.76	0.026	**0.21**	0.014
	May		0.065	0.12	4.5	**0.037**	0.35	0.79	0.0012	889	0.31	**2912**	0.75	0.026	**0.20**	0.013
	June		0.075	0.12	4.6	**0.042**	0.45	0.81	0.0012	889	0.32	**2912**	0.78	0.027	**0.20**	0.014
	July	**2046**	0.080	0.12	4.3	**0.050**	0.53	0.79	0.0012	889	0.32	**2914**	0.75	0.026	**0.20**	0.013
	August		0.083	0.12	4.3	**0.053**	0.54	0.79	0.0012	887	0.32	**2908**	0.75	0.026	**0.20**	0.013
	September		0.074	0.12	4.3	**0.051**	0.46	0.79	0.0012	888	0.33	**2911**	0.76	0.026	**0.20**	0.013
	October		0.063	0.12	4.4	**0.041**	0.36	0.79	0.0012	889	0.31	**2914**	0.75	0.026	**0.20**	0.013
	November		0.048	0.13	4.8	**0.033**	0.20	0.83	0.0013	885	0.32	**2899**	0.78	0.027	**0.21**	0.014
	December		0.046	0.14	5.5	**0.019**	0.14	**0.89**	0.0013	883	0.32	**2893**	0.84	0.028	**0.23**	0.015
	January		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2894**	0.85	0.028	**0.23**	0.015
	February		0.046	0.14	5.6	**0.017**	0.13	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	March		0.049	0.14	5.3	**0.021**	0.18	0.88	0.0013	884	0.32	**2898**	0.83	0.028	**0.22**	0.015
	April		0.077	0.13	4.8	**0.037**	0.43	0.83	0.0012	887	0.32	**2907**	0.79	0.027	**0.21**	0.014
	May		0.066	0.12	4.4	**0.044**	0.40	0.79	0.0012	890	0.31	**2916**	0.75	0.026	**0.20**	0.013
	June		0.059	0.12	4.6	**0.038**	0.31	0.81	0.0012	888	0.32	**2911**	0.77	0.026	**0.21**	0.014
	July	**2047**	0.087	0.12	4.4	**0.051**	0.57	0.79	0.0012	889	0.32	**2913**	0.76	0.026	**0.20**	0.013
	August		0.082	0.12	4.3	**0.054**	0.54	0.79	0.0012	887	0.32	**2906**	0.74	0.026	**0.20**	0.014
	September		0.067	0.12	4.4	**0.044**	0.39	0.79	0.0012	889	0.32	**2914**	0.76	0.026	**0.20**	0.013
	October		0.054	0.12	4.6	**0.038**	0.26	0.81	0.0012	889	0.32	**2912**	0.76	0.026	**0.21**	0.014
	November		0.050	0.14	5.2	**0.024**	0.19	0.88	0.0013	884	0.32	**2897**	0.82	0.028	**0.22**	0.015
	December		0.046	0.14	5.5	**0.019**	0.15	**0.90**	0.0013	883	0.32	**2895**	0.85	0.028	**0.23**	0.015
	January		0.048	0.14	5.5	**0.019**	0.15	**0.89**	0.0013	884	0.32	**2895**	0.85	0.028	**0.23**	0.015
	February		0.046	0.14	5.5	**0.018**	0.14	**0.89**	0.0013	883	0.33	**2894**	0.85	0.028	**0.23**	0.015
	March		0.046	0.14	5.5	**0.017**	0.14	**0.90**	0.0013	883	0.32	**2893**	0.85	0.028	**0.23**	0.015
	April		0.063	0.13	5.1	**0.030**	0.30	0.84	0.0013	887	0.32	**2906**	0.81	0.027	**0.21**	0.014
Operations	**May**		0.052	0.13	4.9	**0.030**	0.23	0.85	0.0013	886	0.32	**2902**	0.79	0.027	**0.22**	0.014
	June		0.059	0.13	4.7	**0.032**	0.29	0.82	0.0012	886	0.32	**2905**	0.79	0.027	**0.21**	0.014
	July	**2048**	0.12	0.12	4.3	**0.053**	0.82	0.79	0.0012	886	0.32	**2904**	0.74	0.026	**0.20**	0.013
	August		0.078	0.12	4.2	**0.057**	0.53	0.77	0.0012	885	0.31	**2900**	0.70	0.025	**0.20**	0.013
	September		0.073	0.12	4.2	**0.056**	0.45	0.78	0.0012	885	0.32	**2899**	0.72	0.026	**0.20**	0.013
	October		0.053	0.12	4.4	**0.043**	0.27	0.79	0.0012	890	0.33	**2917**	0.77	0.026	**0.20**	0.014
	November		0.044	0.13	5.1	**0.028**	0.14	0.86	0.0013	886	0.33	**2902**	0.80	0.027	**0.22**	0.015
	December		0.050	0.14	5.4	**0.022**	0.18	**0.89**	0.0013	884	0.32	**2897**	0.84	0.028	**0.23**	0.015
	January		0.056	0.13	5.2	**0.028**	0.25	0.86	0.0013	884	0.33	**2897**	0.82	0.027	**0.22**	0.014
	February		0.046	0.14	5.5	**0.019**	0.14	**0.90**	0.0013	883	0.33	**2893**	0.85	0.028	**0.23**	0.015
	March		0.064	0.13	5.3	**0.025**	0.29	0.86	0.0013	885	0.33	**2900**	0.84	0.028	**0.22**	0.014
	April		0.050	0.12	4.6	**0.033**	0.24	0.81	0.0012	888	0.31	**2910**	0.76	0.026	**0.21**	0.014
	May		0.068	0.12	4.7	**0.037**	0.37	0.81	0.0012	887	0.32	**2908**	0.78	0.026	**0.21**	0.014
	June		0.072	0.12	4.4	**0.045**	0.43	0.79	0.0012	890	0.32	**2916**	0.75	0.026	**0.20**	0.014
	July	**2049**	0.095	0.12	4.3	**0.055**	0.64	0.79	0.0012	889	0.32	**2914**	0.75	0.026	**0.20**	0.014
	August		0.081	0.12	4.3	**0.055**	0.53	0.78	0.0012	887	0.33	**2908**	0.75	0.026	**0.20**	0.013
	September		0.086	0.12	4.3	**0.053**	0.55	0.79	0.0012	887	0.33	**2908**	0.75	0.026	**0.20**	0.014
	October		0.073	0.12	4.3	**0.051**	0.44	0.79	0.0012	888	0.33	**2911**	0.76	0.026	**0.20**	0.014
	November		0.050	0.12	4.5	**0.038**	0.25	0.80	0.0012	890	0.32	**2916**	0.75	0.026	**0.20**	0.014
	December		0.046	0.14	5.3	**0.022**	0.14	**0.89**	0.0013	883	0.33	**2894**	0.83	0.028	**0.23**	0.015
	January		0.047	0.14	5.4	**0.018**	0.13	**0.90**	0.0013	883	0.33	**2894**	0.85	0.028	**0.23**	0.015
	February		0.047	0.14	5.3	**0.017**	0.13	**0.90**	0.0013	883	0.33	**2893**	0.85	0.028	**0.23**	0.015
	March		0.049	0.14	5.2	**0.020**	0.16	**0.88**	0.0013	884	0.33	**2896**	0.84	0.028	**0.22**	0.015
	April		0.079	0.12	4.3	**0.044**	0.48	0.80	0.0012	888	0.33	**2910**	0.78	0.026	**0.20**	0.013
	May		0.058	0.13	4.4	**0.037**	0.28	0.82	0.0012	887	0.32	**2905**	0.76	0.026	**0.21**	0.014
	June		0.072	0.12	4.3	**0.043**	0.43	0.80	0.0012	887	0.32	**2906**	0.77	0.026	**0.20**	0.014
	July	**2050**	0.059	0.13	4.7	**0.032**	0.28	0.84	0.0013	886	0.33	**2904**	0.81	0.027	**0.21**	0.014
	August		0.060	0.13	4.5	**0.034**	0.30	0.83	0.0012	887	0.32	**2907**	0.78	0.027	**0.21**	0.014
	September		0.076	0.12	4.3	**0.043**	0.45	0.80	0.0012	888	0.33	**2911**	0.77	0.026	**0.20**	0.013
	October		0.054	0.13	4.6	**0.035**	0.26	0.84	0.0013	886	0.32	**2904**	0.78	0.027	**0.21**	0.014
	November		0.053	0.13	4.9	**0.025**	0.21	0.87	0.0013	885	0.32	**2899**	0.82	0.027	**0.22**	0.015
	December		0.047	0.14	5.3	**0.019**	0.15	**0.90**	0.0013	883	0.33	**2895**	0.85	0.028	**0.23**	0.015

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2051	**25**	4.5	**0.088**	**0.00011**	455	56	**0.033**	**0.036**	**0.40**	**12**	**0.053**	0.14	64	0.12	0.000038
	February		**25**	4.5	**0.088**	**0.00011**	455	56	**0.033**	**0.036**	**0.40**	**12**	**0.054**	0.14	63	0.12	0.000039
	March		**25**	4.3	**0.086**	**0.00011**	456	59	**0.032**	**0.036**	**0.39**	**12**	**0.053**	0.20	63	0.11	0.000057
	April		**22**	3.6	**0.077**	**0.000098**	456	67	**0.029**	0.033	**0.35**	**10**	**0.047**	0.82	54	0.10	0.00013
	May		**22**	3.5	**0.077**	**0.000096**	457	72	**0.028**	0.033	**0.35**	**10**	**0.047**	0.33	56	0.10	0.00016
	June		**22**	3.6	**0.076**	**0.000095**	458	64	**0.028**	0.032	**0.35**	**10**	**0.047**	0.35	56	0.10	0.00012
	July		**22**	3.6	**0.077**	**0.000097**	458	68	**0.028**	0.033	**0.35**	**10**	**0.047**	0.51	56	0.10	0.00013
	August		**22**	3.5	**0.076**	**0.000097**	457	73	**0.028**	0.033	**0.35**	**10**	**0.047**	0.56	54	0.10	0.00016
	September		**22**	3.6	**0.077**	**0.000096**	459	68	**0.029**	0.033	**0.35**	**10**	**0.047**	0.38	57	0.10	0.00014
	October		**22**	3.6	**0.077**	**0.000096**	458	63	**0.029**	0.033	**0.35**	**10**	**0.047**	0.33	56	0.10	0.00012
	November		**23**	3.9	**0.081**	**0.000100**	457	61	**0.030**	0.034	**0.37**	**11**	**0.049**	0.24	59	0.11	0.000095
	December		**25**	4.3	**0.086**	**0.00010**	456	57	**0.032**	**0.035**	**0.39**	**12**	**0.053**	0.18	62	0.11	0.000054
	January	2052	**13**	5.1	**0.045**	**0.000056**	457	51	**0.017**	0.019	**0.21**	**6.1**	**0.028**	0.13	58	0.060	0.000038
	February		**11**	5.3	0.040	0.000050	458	50	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.13	56	0.053	0.000037
	March		**11**	5.2	0.038	0.000048	457	50	**0.014**	0.016	**0.18**	**5.2**	**0.023**	0.13	57	0.051	0.000038
	April		**7.9**	3.5	0.027	0.000037	456	56	**0.010**	0.012	**0.13**	**3.7**	**0.017**	0.39	48	0.037	0.000098
	May		**7.8**	3.4	0.027	0.000037	456	56	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.35	48	0.037	0.00011
	June		**7.8**	3.5	0.027	0.000037	456	59	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.30	52	0.037	0.00011
	July		**7.8**	3.3	0.027	0.000038	456	56	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.49	45	0.037	0.00012
	August		**7.8**	3.3	0.027	0.000037	456	57	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.34	46	0.037	0.00011
	September		**7.8**	3.5	0.027	0.000037	455	59	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.27	53	0.037	0.00011
	October		**8.8**	3.9	0.030	0.000040	457	58	**0.011**	0.013	**0.14**	**4.1**	**0.019**	0.25	56	0.041	0.000088
	November		**11**	5.1	0.039	0.000049	458	51	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.15	56	0.052	0.000044
	December		**11**	5.2	0.039	0.000049	457	50	**0.015**	0.016	**0.18**	**5.3**	**0.024**	0.13	56	0.052	0.000038
		MINIMUM	**7.8**	3.3	0.027	0.000037	417	50	**0.010**	0.012	**0.12**	**3.6**	**0.017**	0.13	45	0.037	0.000012
		MAXIMUM	**26**	7.7	**0.091**	**0.00011**	459	93	**0.034**	**0.037**	**0.41**	**12**	**0.055**	0.85	97	0.12	0.00016
		AVERAGE	**23**	4.3	**0.079**	**0.000096**	456	62	**0.029**	0.033	**0.36**	**11**	**0.048**	0.31	60	0.10	0.000080
Decommissioning	January	2053	**0.96**	6.0	0.0034	0.0000061	437	69	0.0012	0.0014	0.015	**0.45**	0.0020	0.18	80	0.0047	0.000032
	February		0.0017	4.8	0.000048	0.0000022	441	75	0.0000051	0.000045	0.000058	0.010	0.000010	0.19	89	0.00036	0.000025
	March		0.0014	4.6	0.000068	0.0000034	421	75	0.0000067	0.00022	0.00014	0.0098	0.0000094	0.33	85	0.00046	0.000038
	April		0.00095	4.5	0.00013	0.0000059	278	72	0.000017	0.0014	0.00064	0.0079	0.0000063	0.51	59	0.0011	0.00013
	May		0.0011	4.4	0.000095	0.0000053	309	71	0.000016	0.0015	0.00067	0.0078	0.0000071	0.36	65	0.0011	0.00011
	June		0.0012	4.3	0.000082	0.0000045	365	75	0.000013	0.0011	0.00050	0.0088	0.0000083	0.30	76	0.00092	0.000088
	July		0.0012	4.3	0.00010	0.0000051	334	74	0.000014	0.0012	0.00053	0.0085	0.0000077	0.42	70	0.00096	0.00010
	August		0.0011	4.2	0.00012	0.0000061	321	72	0.000015	0.0012	0.00054	0.0083	0.0000074	0.59	67	0.00096	0.00010
	September		0.00092	4.1	0.00014	0.0000062	257	71	0.000019	0.0016	0.00071	0.0076	0.0000059	0.53	55	0.0012	0.00014
	October		0.0011	4.1	0.000099	0.0000056	305	72	0.000017	0.0017	0.00073	0.0077	0.0000070	0.36	65	0.0012	0.00012
	November		0.0012	4.0	0.000075	0.0000046	359	74	0.000014	0.0014	0.00059	0.0085	0.0000081	0.26	75	0.0010	0.000094
	December		0.0015	3.8	0.000047	0.0000023	437	74	0.0000050	0.000063	0.000062	0.010	0.0000099	0.19	88	0.00038	0.000027
	January	2054	0.0011	3.7	0.000038	0.0000019	437	74	0.0000040	0.000037	0.000044	0.0094	0.0000094	0.19	88	0.00036	0.000020
	February		0.00098	3.7	0.000036	0.0000018	439	74	0.0000037	0.000035	0.000041	0.0092	0.0000092	0.19	88	0.00035	0.000018
	March		0.00093	3.6	0.000047	0.0000024	413	73	0.0000057	0.00028	0.00014	0.0089	0.0000087	0.23	84	0.00048	0.000034
	April		0.00083	3.5	0.000096	0.0000045	347	72	0.000011	0.00078	0.00037	0.0082	0.0000074	0.48	71	0.00075	0.000078
	May		0.00072	3.5	0.00010	0.0000052	299	71	0.000016	0.0015	0.00064	0.0073	0.0000063	0.41	63	0.0011	0.00011
	June		0.00081	3.4	0.000080	0.0000045	346	73	0.000013	0.0013	0.00056	0.0078	0.0000075	0.33	72	0.00099	0.000092
	July		0.00077	3.3	0.000094	0.0000048	328	72	0.000014	0.0012	0.00054	0.0078	0.0000070	0.41	68	0.00097	0.000098
	August		0.00070	3.2	0.00014	0.0000067	270	71	0.000018	0.0015	0.00068	0.0073	0.0000058	0.67	57	0.0011	0.00013
	September		0.00074	3.2	0.000096	0.0000052	304	72	0.000016	0.0016	0.00068	0.0073	0.0000065	0.38	64	0.0011	0.00012
	October		0.00076	3.1	0.000083	0.0000049	331	72	0.000015	0.0016	0.00067	0.0075	0.0000070	0.33	70	0.0011	0.00011
	November		0.00087	3.1	0.000067	0.0000035	377	74	0.0000096	0.00077	0.00035	0.0083	0.0000079	0.31	77	0.00073	0.000068
	December		0.00098	2.9	0.000036	0.0000018	439	74	0.0000037	0.000038	0.000043	0.0093	0.0000092	0.19	88	0.00035	0.000018
	January	2055	0.00094	2.8	0.000032	0.0000015	438	73	0.0000035	0.000053	0.000047	0.0090	0.0000090	0.19	88	0.00036	0.000017
	February		0.00091	2.8	0.000030	0.0000014	438	73	0.0000033	0.000039	0.000041	0.0089	0.0000090	0.19	88	0.00035	0.000016
	March		0.00092	2.7	0.000031	0.0000014	441	74	0.0000033	0.000032	0.000038	0.0090	0.0000091	0.19	89	0.00035	0.000015
	April		0.00086	2.6	0.000053	0.0000038	364	72	0.000013	0.0015	0.00062	0.0073	0.0000077	0.21	76	0.0011	0.000080
	May		0.00078	2.6	0.000054	0.0000041	355	72	0.000014	0.0017	0.00072	0.0071	0.0000074	0.19	75	0.0012	0.000094
	June		0.00082	2.4	0.000058	0.0000044	359	73	0.000015	0.0018	0.00077	0.0072	0.0000075	0.20	76	0.0012	0.000098
	July		0.00076	2.4	0.000062	0.0000050	319	70	0.000018	0.0023	0.00094	0.0064	0.0000068	0.19	69	0.0014	0.00012
	August		0.00076	2.3	0.000064	0.0000053	334	74	0.000019	0.0024	0.0010	0.0066	0.0000071	0.19	72	0.0015	0.00013
	September		0.00078	2.2	0.000059	0.0000047	363	76	0.000016	0.0020	0.00085	0.0073	0.0000075	0.19	77	0.0013	0.00011
	October		0.00081	2.2	0.000057	0.0000044	369	75	0.000015	0.0019	0.00078	0.0074	0.0000076	0.19	78	0.0012	0.000100
	November		0.00085	2.0	0.000040	0.0000026	405	73	0.0000079	0.00075	0.00033	0.0082	0.0000084	0.19	83	0.00069	0.000050
	December		0.00091	1.9	0.000031	0.0000014	439	73	0.0000033	0.000035	0.000040	0.0089	0.0000091	0.19	88	0.00035	0.000015

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.047	0.14	5.3	**0.017**	0.13	**0.89**	0.0013	883	0.33	**2894**	0.85	0.028	**0.23**	0.015
	February		0.047	0.14	5.3	**0.017**	0.13	**0.90**	0.0013	883	0.33	**2892**	0.85	0.028	**0.23**	0.015
	March		0.053	0.14	5.1	**0.023**	0.20	**0.88**	0.0013	885	0.33	**2901**	0.84	0.028	**0.22**	0.015
	April		0.12	0.12	4.2	**0.051**	0.86	0.78	0.0012	885	0.32	**2899**	0.73	0.026	**0.20**	0.013
	May		0.059	0.12	4.1	**0.054**	0.32	0.78	0.0012	886	0.33	**2905**	0.75	0.026	**0.20**	0.014
	June		0.064	0.12	4.2	**0.042**	0.35	0.78	0.0012	889	0.32	**2913**	0.74	0.026	**0.20**	0.013
	July		0.083	0.12	4.2	**0.049**	0.52	0.79	0.0012	890	0.33	**2915**	0.75	0.026	**0.20**	0.013
	August		0.086	0.12	4.0	**0.058**	0.57	0.78	0.0012	886	0.33	**2904**	0.73	0.026	**0.20**	0.014
	September		0.067	0.12	4.2	**0.047**	0.39	0.79	0.0012	890	0.33	**2916**	0.76	0.026	**0.20**	0.013
	October		0.061	0.12	4.2	**0.041**	0.33	0.79	0.0012	890	0.32	**2915**	0.75	0.026	**0.20**	0.013
	November		0.054	0.13	4.6	**0.033**	0.23	0.83	0.0012	887	0.33	**2906**	0.78	0.027	**0.21**	0.014
	December		0.049	0.14	5.1	**0.022**	0.18	**0.88**	0.0013	884	0.33	**2897**	0.84	0.028	**0.22**	0.015
	January	**2052**	0.028	0.071	6.0	**0.017**	0.13	0.53	0.00069	888	0.31	**2909**	0.77	0.020	**0.12**	0.0078
	February		0.026	0.062	6.2	**0.017**	0.12	0.48	0.00060	888	0.30	**2911**	0.75	0.019	**0.10**	0.0068
	March		0.026	0.060	6.1	**0.017**	0.12	0.47	0.00059	888	0.30	**2909**	0.76	0.019	**0.100**	0.0066
	April		0.051	0.043	4.2	**0.037**	0.39	0.36	0.00045	885	0.28	**2900**	0.65	0.017	**0.071**	0.0050
	May		0.047	0.043	4.0	**0.038**	0.36	0.36	0.00046	885	0.28	**2900**	0.64	0.017	**0.071**	0.0050
	June		0.038	0.043	4.1	**0.038**	0.30	0.37	0.00046	886	0.30	**2902**	0.69	0.017	**0.071**	0.0051
	July		0.063	0.043	3.9	**0.044**	0.50	0.35	0.00046	885	0.27	**2901**	0.60	0.016	**0.071**	0.0051
	August		0.044	0.043	3.9	**0.042**	0.34	0.35	0.00046	885	0.27	**2901**	0.61	0.016	**0.071**	0.0051
	September		0.033	0.043	4.1	**0.038**	0.27	0.37	0.00047	884	0.30	**2897**	0.70	0.017	**0.071**	0.0051
	October		0.034	0.048	4.6	**0.032**	0.25	0.40	0.00049	887	0.31	**2906**	0.75	0.018	**0.079**	0.0055
	November		0.027	0.062	6.0	**0.019**	0.14	0.47	0.00060	888	0.30	**2910**	0.75	0.019	**0.10**	0.0068
	December		0.026	0.062	6.2	**0.017**	0.12	0.48	0.00060	888	0.30	**2909**	0.75	0.019	**0.10**	0.0068
		MINIMUM	0.026	0.043	3.9	**0.017**	0.12	0.35	0.00045	809	0.27	**2650**	0.60	0.016	**0.071**	0.0050
		MAXIMUM	0.12	0.14	9.1	**0.062**	0.89	**0.91**	0.0014	891	0.46	**2920**	1.3	**0.031**	**0.24**	0.015
		AVERAGE	0.058	0.12	5.0	**0.034**	0.31	0.81	0.0012	886	0.32	**2903**	0.81	0.027	**0.21**	0.014
Decommissioning	**January**	**2053**	0.0072	0.0053	7.1	**0.018**	0.17	0.25	0.000063	334	0.39	642	1.1	0.021	0.0087	0.00083
	February		0.0057	0.000049	5.7	**0.019**	0.19	0.30	0.000014	190	0.43	30	1.2	0.027	0.000017	0.00035
	March		0.028	0.00012	5.4	**0.024**	0.34	0.29	0.000022	177	0.41	16	1.2	0.026	0.000017	0.00041
	April		0.050	0.00062	5.3	**0.052**	0.52	0.19	0.000072	117	0.33	60	0.80	0.018	0.000026	0.00075
	May		0.029	0.00066	5.2	**0.043**	0.36	0.21	0.000073	129	0.35	57	0.88	0.020	0.000023	0.00075
	June		0.022	0.00050	5.1	**0.037**	0.30	0.25	0.000058	152	0.39	43	1.0	0.023	0.000022	0.00066
	July		0.038	0.00052	5.0	**0.042**	0.42	0.23	0.000061	140	0.37	48	0.94	0.021	0.000023	0.00067
	August		0.064	0.00051	4.9	**0.044**	0.62	0.22	0.000061	137	0.36	51	0.91	0.020	0.000024	0.00067
	September		0.052	0.00069	4.8	**0.056**	0.54	0.17	0.000078	108	0.31	67	0.75	0.017	0.000028	0.00079
	October		0.030	0.00073	4.8	**0.046**	0.36	0.21	0.000080	127	0.35	64	0.87	0.019	0.000024	0.00080
	November		0.015	0.00059	4.7	**0.037**	0.26	0.24	0.000066	149	0.39	50	1.0	0.022	0.000022	0.00071
	December		0.0057	0.000055	4.5	**0.019**	0.19	0.30	0.000015	182	0.42	8.5	1.2	0.027	0.000015	0.00036
	January	**2054**	0.0048	0.000041	4.4	**0.019**	0.19	0.30	0.000011	183	0.42	5.9	1.2	0.027	0.000012	0.00034
	February		0.0045	0.000039	4.4	**0.019**	0.19	0.30	0.000011	183	0.42	5.3	1.2	0.027	0.000011	0.00034
	March		0.011	0.00014	4.3	**0.024**	0.23	0.28	0.000021	173	0.40	14	1.1	0.025	0.000013	0.00040
	April		0.047	0.00035	4.1	**0.039**	0.49	0.24	0.000043	147	0.36	36	0.97	0.022	0.000019	0.00055
	May		0.037	0.00064	4.1	**0.047**	0.42	0.20	0.000070	125	0.34	57	0.85	0.019	0.000022	0.00073
	June		0.025	0.00056	4.0	**0.039**	0.33	0.24	0.000062	144	0.37	47	0.97	0.022	0.000020	0.00068
	July		0.036	0.00053	3.9	**0.043**	0.42	0.22	0.000060	137	0.36	48	0.93	0.021	0.000021	0.00067
	August		0.074	0.00066	3.8	**0.055**	0.70	0.18	0.000074	115	0.32	64	0.78	0.018	0.000026	0.00077
	September		0.032	0.00067	3.7	**0.047**	0.38	0.21	0.000073	127	0.35	59	0.87	0.019	0.000022	0.00076
	October		0.024	0.00067	3.6	**0.043**	0.33	0.23	0.000072	138	0.37	56	0.93	0.021	0.000021	0.00075
	November		0.021	0.00034	3.6	**0.034**	0.31	0.26	0.000041	158	0.39	33	1.1	0.023	0.000017	0.00054
	December		0.0045	0.000040	3.4	**0.019**	0.19	0.30	0.000011	183	0.42	5.7	1.2	0.027	0.000012	0.00034
	January	**2055**	0.0037	0.000046	3.3	**0.019**	0.19	0.30	0.0000100	183	0.42	5.5	1.2	0.027	0.0000097	0.00034
	February		0.0033	0.000039	3.3	**0.019**	0.19	0.30	0.0000088	183	0.42	5.2	1.2	0.027	0.0000089	0.00033
	March		0.0034	0.000037	3.2	**0.019**	0.19	0.30	0.0000086	184	0.42	4.8	1.2	0.027	0.0000089	0.00033
	April		0.0068	0.00063	3.1	**0.033**	0.20	0.24	0.000066	152	0.38	50	1.0	0.022	0.000017	0.00071
	May		0.0039	0.00073	3.0	**0.037**	0.18	0.24	0.000076	147	0.38	57	0.99	0.022	0.000017	0.00078
	June		0.0059	0.00078	2.9	**0.038**	0.19	0.24	0.000080	149	0.39	61	1.0	0.022	0.000018	0.00081
	July		0.0047	0.00096	2.8	**0.041**	0.17	0.22	0.000097	132	0.36	73	0.90	0.020	0.000020	0.00091
	August		0.0038	0.0010	2.7	**0.044**	0.17	0.22	0.00010	138	0.38	78	0.94	0.021	0.000021	0.00097
	September		0.0036	0.00087	2.6	**0.040**	0.18	0.25	0.000089	150	0.40	66	1.0	0.023	0.000019	0.00088
	October		0.0035	0.00079	2.6	**0.039**	0.18	0.25	0.000081	153	0.40	61	1.0	0.023	0.000018	0.00083
	November		0.0033	0.00033	2.4	**0.027**	0.18	0.28	0.000037	169	0.41	28	1.1	0.025	0.000012	0.00052
	December		0.0034	0.000038	2.3	**0.019**	0.19	0.30	0.0000087	183	0.42	5.0	1.2	0.027	0.0000089	0.00033

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.00067	1.9	0.000026	0.0000011	438	73	0.0000028	0.000026	0.000028	0.0086	0.0000088	0.19	88	0.00034	0.000012
	February		0.00058	1.8	0.000024	0.0000010	436	72	0.0000027	0.000024	0.000025	0.0085	0.0000086	0.19	88	0.00033	0.000011
	March		0.00055	1.8	0.000044	0.0000032	380	72	0.000011	0.0013	0.00056	0.0073	0.0000075	0.19	79	0.00097	0.000070
	April		0.00055	1.7	0.000041	0.0000029	389	73	0.000010	0.0012	0.00048	0.0075	0.0000077	0.19	81	0.00087	0.000065
	May		0.00056	1.6	0.000037	0.0000025	404	73	0.0000086	0.00091	0.00039	0.0078	0.0000079	0.19	83	0.00077	0.000051
	June		0.00053	1.5	0.000040	0.0000028	398	74	0.0000096	0.0011	0.00045	0.0077	0.0000078	0.19	82	0.00084	0.000060
	July		0.00055	1.5	0.000051	0.0000040	366	74	0.000015	0.0018	0.00075	0.0069	0.0000071	0.19	77	0.0012	0.000092
	August		0.00054	1.4	0.000052	0.0000041	357	73	0.000015	0.0019	0.00078	0.0068	0.0000071	0.19	76	0.0012	0.000098
	September		0.00051	1.3	0.000058	0.0000049	334	73	0.000018	0.0024	0.00098	0.0064	0.0000067	0.18	72	0.0015	0.00012
	October		0.00051	1.2	0.000053	0.0000043	367	76	0.000016	0.0020	0.00083	0.0070	0.0000072	0.19	78	0.0013	0.00010
	November		0.00056	1.1	0.000034	0.0000021	422	75	0.0000069	0.00066	0.00028	0.0082	0.0000083	0.19	86	0.00063	0.000043
	December		0.00058	1.0	0.000024	0.0000010	438	73	0.0000027	0.000024	0.000025	0.0085	0.0000086	0.19	88	0.00033	0.000011
	January	**2057**	0.00019	0.92	0.000014	0.00000052	439	72	0.0000017	0.000010	0.0000089	0.0078	0.0000080	0.19	88	0.00032	0.0000048
	February		0.000068	0.84	0.000011	0.00000038	436	71	0.0000014	0.0000066	0.0000041	0.0075	0.0000079	0.19	88	0.00031	0.0000027
	March		0.000068	0.77	0.000011	0.00000038	436	71	0.0000014	0.0000066	0.0000041	0.0075	0.0000078	0.19	88	0.00031	0.0000027
	April		0.00012	0.72	0.000037	0.0000031	389	75	0.000012	0.0016	0.00064	0.0066	0.0000071	0.20	81	0.0011	0.000074
	May		0.000065	0.62	0.000029	0.0000023	400	74	0.0000088	0.0011	0.00045	0.0068	0.0000072	0.19	83	0.00083	0.000057
	June		0.000068	0.53	0.000021	0.0000014	426	74	0.0000053	0.00060	0.00024	0.0072	0.0000076	0.20	87	0.00059	0.000029
	July		0.000098	0.47	0.000043	0.0000037	382	77	0.000014	0.0019	0.00079	0.0064	0.0000069	0.20	81	0.0012	0.000093
	August		0.000092	0.38	0.000045	0.0000040	378	77	0.000016	0.0021	0.00086	0.0064	0.0000067	0.19	81	0.0013	0.00010
	September		0.000071	0.29	0.000044	0.0000039	388	78	0.000015	0.0021	0.00085	0.0065	0.0000069	0.20	82	0.0013	0.000099
	October		0.000068	0.21	0.000023	0.0000017	419	74	0.0000064	0.00076	0.00031	0.0073	0.0000076	0.19	86	0.00067	0.000039
	November		0.000069	0.14	0.000016	0.00000084	429	72	0.0000032	0.00027	0.00011	0.0074	0.0000077	0.19	87	0.00044	0.000016
	December		0.000068	0.056	0.000012	0.00000042	438	72	0.0000015	0.000030	0.000014	0.0075	0.0000079	0.19	88	0.00032	0.0000038
		MINIMUM	0.000065	0.056	0.000011	0.00000038	257	69	0.0000014	0.0000066	0.0000041	0.0064	0.0000058	0.18	55	0.00031	0.0000027
		MAXIMUM	**0.96**	6.0	0.0034	0.0000067	441	78	0.0012	0.0024	0.015	**0.45**	0.0020	0.67	89	0.0047	0.00014
		AVERAGE	0.017	2.4	0.00011	0.0000033	382	73	0.000031	0.0010	0.00069	0.015	0.000042	0.26	79	0.00090	0.000067
Reclamation	**January**	**2058**	0.0057	1.3	0.000050	0.00000038	899	145	0.0000084	0.000019	0.000094	0.017	0.000027	0.11	177	0.00051	0.0000085
	February		0.00030	0.040	0.000041	0.00000074	2069	338	0.0000027	0.000025	0.000014	0.038	0.000041	0.041	414	0.0012	0.00000025
	March		0.00012	0.00019	0.000040	0.00000075	2105	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	1.2E-09
	April		0.00012	0.00000061	0.000041	0.00000076	2145	350	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	430	0.0013	3.8E-12
	May		0.00013	2.6E-09	0.000043	0.0000008	2244	366	0.0000027	0.000027	0.000012	0.041	0.000044	0.043	449	0.0013	1.6E-14
	June		0.00013	1.2E-11	0.000044	0.00000082	2293	374	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	459	0.0014	7.6E-17
	July		0.00013	6.8E-14	0.000045	0.00000083	2337	381	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	468	0.0014	4.2E-19
	August		0.00013	3.6E-16	0.000044	0.00000082	2310	377	0.0000028	0.000028	0.000012	0.043	0.000045	0.044	463	0.0014	2.2E-21
	September		0.00013	1.8E-18	0.000043	0.0000008	2244	366	0.0000027	0.000027	0.000012	0.041	0.000044	0.043	449	0.0013	1.1E-23
	October		0.00012	8.5E-21	0.000042	0.00000078	2178	355	0.0000026	0.000026	0.000011	0.040	0.000043	0.041	436	0.0013	5.2E-26
	November		0.00012	2.8E-23	0.000040	0.00000075	2105	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	1.7E-28
	December		0.00012	9.9E-26	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	6.1E-31
	January	**2059**	0.00012	3.0E-28	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	1.8E-33
	February		0.00012	9.7E-31	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	6.0E-36
	March		0.00012	4.6E-33	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	April		0.00012	1.4E-35	0.000040	0.00000075	2107	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	May		0.00013	1.6E-38	0.000043	0.00000079	2227	363	0.0000027	0.000027	0.000012	0.041	0.000043	0.042	446	0.0013	0
	June		0.00013	0	0.000044	0.00000082	2288	373	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	458	0.0013	0
	July		0.00013	0	0.000044	0.00000083	2327	380	0.0000028	0.000028	0.000012	0.043	0.000045	0.044	466	0.0014	0
	August		0.00013	0	0.000045	0.00000083	2330	380	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	467	0.0014	0
	September		0.00013	0	0.000044	0.00000081	2282	372	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	457	0.0013	0
	October		0.00012	0	0.000042	0.00000077	2173	355	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	435	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2110	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	423	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January	**2060**	0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	April		0.00012	0	0.000041	0.00000076	2125	347	0.0000026	0.000025	0.000011	0.039	0.000042	0.040	426	0.0013	0
	May		0.00013	0	0.000042	0.00000079	2210	361	0.0000027	0.000026	0.000012	0.041	0.000043	0.042	443	0.0013	0
	June		0.00013	0	0.000043	0.00000081	2270	370	0.0000027	0.000027	0.000012	0.042	0.000044	0.043	455	0.0013	0
	July		0.00014	0	0.000045	0.00000085	2370	387	0.0000028	0.000028	0.000013	0.044	0.000046	0.045	475	0.0014	0
	August		0.00013	0	0.000045	0.00000083	2336	381	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	468	0.0014	0
	September		0.00013	0	0.000043	0.0000008	2231	364	0.0000027	0.000027	0.000012	0.041	0.000044	0.042	447	0.0013	0
	October		0.00012	0	0.000041	0.00000077	2171	354	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	435	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2109	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.0026	0.000031	2.2	**0.019**	0.19	0.30	0.0000069	183	0.41	3.8	1.2	0.027	0.0000072	0.00032
	February		0.0024	0.000029	2.1	**0.019**	0.19	0.30	0.0000063	182	0.41	3.4	1.2	0.027	0.0000067	0.00032
	March		0.0030	0.00057	2.1	**0.032**	0.18	0.26	0.000059	158	0.39	43	1.1	0.023	0.000013	0.00067
	April		0.0026	0.00050	2.0	**0.031**	0.18	0.26	0.000052	162	0.40	39	1.1	0.024	0.000013	0.00062
	May		0.0027	0.00040	1.9	**0.028**	0.18	0.27	0.000042	168	0.40	30	1.1	0.025	0.000011	0.00056
	June		0.0026	0.00046	1.8	**0.030**	0.18	0.27	0.000048	165	0.40	36	1.1	0.025	0.000012	0.00060
	July		0.0028	0.00077	1.7	**0.038**	0.18	0.24	0.000078	152	0.39	58	1.0	0.023	0.000016	0.00080
	August		0.0031	0.00080	1.6	**0.039**	0.17	0.24	0.000081	148	0.39	62	1.0	0.022	0.000017	0.00082
	September		0.0026	0.0010	1.5	**0.043**	0.16	0.22	0.00010	138	0.38	76	0.95	0.021	0.000019	0.00095
	October		0.0022	0.00085	1.4	**0.041**	0.17	0.25	0.000086	151	0.40	65	1.0	0.023	0.000017	0.00086
	November		0.0023	0.00029	1.3	**0.027**	0.19	0.29	0.000032	175	0.42	24	1.2	0.026	0.000010	0.00050
	December		0.0024	0.000029	1.2	**0.019**	0.19	0.30	0.0000063	183	0.41	3.6	1.2	0.027	0.0000066	0.00032
	January	**2057**	0.0011	0.000019	1.1	**0.019**	0.19	0.30	0.0000026	183	0.41	1.7	1.2	0.027	0.0000032	0.00030
	February		0.00069	0.000017	1.0	**0.019**	0.19	0.30	0.0000015	182	0.41	1.1	1.2	0.027	0.0000021	0.00029
	March		0.00069	0.000017	0.94	**0.019**	0.19	0.30	0.0000015	182	0.41	1.1	1.2	0.027	0.0000021	0.00029
	April		0.0014	0.00067	0.87	**0.035**	0.18	0.26	0.000065	162	0.40	49	1.1	0.024	0.000011	0.00073
	May		0.00072	0.00047	0.76	**0.031**	0.18	0.27	0.000046	166	0.40	36	1.1	0.025	0.0000083	0.00060
	June		0.00084	0.00026	0.66	**0.025**	0.19	0.29	0.000025	177	0.41	18	1.2	0.026	0.0000053	0.00046
	July		0.0013	0.00082	0.58	**0.040**	0.18	0.26	0.000080	159	0.41	61	1.1	0.024	0.000013	0.00084
	August		0.00098	0.00089	0.48	**0.042**	0.18	0.26	0.000087	157	0.41	66	1.1	0.024	0.000014	0.00089
	September		0.00085	0.00088	0.37	**0.042**	0.18	0.26	0.000085	160	0.42	63	1.1	0.024	0.000014	0.00088
	October		0.00075	0.00033	0.28	**0.028**	0.19	0.29	0.000032	175	0.41	24	1.2	0.026	0.0000063	0.00051
	November		0.00072	0.00013	0.19	**0.022**	0.19	0.30	0.000012	179	0.41	9.8	1.2	0.026	0.0000036	0.00037
	December		0.00069	0.000026	0.100	**0.019**	0.19	0.30	0.0000024	183	0.41	1.8	1.2	0.027	0.0000022	0.00030
		MINIMUM	0.00069	0.000017	0.100	**0.018**	0.16	0.17	0.0000015	108	0.31	1.1	0.75	0.017	0.0000021	0.00029
		MAXIMUM	0.074	0.0053	7.1	**0.056**	0.70	0.30	0.00010	334	0.43	642	1.2	0.027	0.0087	0.00097
		AVERAGE	0.013	0.00053	2.9	**0.033**	0.25	0.26	0.000049	162	0.39	47	1.1	0.024	0.00016	0.00060
Reclamation	**January**	**2058**	0.00034	0.000064	1.5	0.0095	0.096	0.088	0.0000012	438	0.20	259	0.59	0.0078	0.000052	0.00059
	February		0.00036	0.000081	0.087	0.00013	0.012	0.00029	0.00000086	867	0.0027	9.0	0.027	0.000016	0.0000026	0.0015
	March		0.00037	0.000082	0.040	0.00000062	0.011	0.00012	0.00000086	880	0.000013	0.84	0.020	0.00000084	0.0000010	0.0016
	April		0.00038	0.000083	0.041	2.0E-09	0.011	0.00012	0.00000088	897	4.1E-08	0.82	0.020	0.00000078	0.0000010	0.0016
	May		0.00039	0.000087	0.043	8.4E-12	0.012	0.00012	0.00000092	938	1.7E-10	0.85	0.021	0.00000082	0.0000011	0.0017
	June		0.00040	0.000089	0.044	4.0E-14	0.012	0.00013	0.00000094	959	8.3E-13	0.87	0.022	0.00000084	0.0000011	0.0017
	July		0.00041	0.000091	0.044	2.2E-16	0.012	0.00013	0.00000096	977	4.6E-15	0.89	0.022	0.00000085	0.0000011	0.0018
	August		0.00040	0.000090	0.044	1.2E-18	0.012	0.00013	0.00000095	966	2.4E-17	0.88	0.022	0.00000084	0.0000011	0.0017
	September		0.00039	0.000087	0.043	5.7E-21	0.012	0.00012	0.00000092	938	1.2E-19	0.85	0.021	0.00000082	0.0000011	0.0017
	October		0.00038	0.000085	0.041	2.8E-23	0.012	0.00012	0.00000089	911	5.7E-22	0.83	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	9.2E-26	0.011	0.00012	0.00000086	880	1.9E-24	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	3.2E-28	0.011	0.00012	0.00000086	879	6.6E-27	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2059**	0.00037	0.000082	0.040	9.6E-31	0.011	0.00012	0.00000086	879	2.0E-29	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	3.2E-33	0.011	0.00012	0.00000086	879	6.5E-32	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	1.5E-35	0.011	0.00012	0.00000086	879	3.1E-34	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00037	0.000082	0.040	7.9E-39	0.011	0.00012	0.00000086	881	9.3E-37	0.80	0.020	0.00000077	0.0000010	0.0016
	May		0.00039	0.000086	0.042	0	0.012	0.00012	0.00000091	931	0	0.85	0.021	0.00000081	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	957	0	0.87	0.022	0.00000083	0.0000011	0.0017
	July		0.00041	0.000090	0.044	0	0.012	0.00013	0.00000095	973	0	0.89	0.022	0.00000085	0.0000011	0.0017
	August		0.00041	0.000090	0.044	0	0.012	0.00013	0.00000095	974	0	0.89	0.022	0.00000085	0.0000011	0.0017
	September		0.00040	0.000089	0.043	0	0.012	0.00012	0.00000093	954	0	0.87	0.022	0.00000083	0.0000011	0.0017
	October		0.00038	0.000084	0.041	0	0.012	0.00012	0.00000089	909	0	0.83	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	882	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2060**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00037	0.000083	0.040	0	0.011	0.00012	0.00000087	889	0	0.81	0.020	0.00000077	0.0000010	0.0016
	May		0.00039	0.000086	0.042	0	0.012	0.00012	0.0000009	924	0	0.84	0.021	0.00000081	0.0000011	0.0017
	June		0.00040	0.000088	0.043	0	0.012	0.00012	0.00000093	949	0	0.86	0.022	0.00000083	0.0000011	0.0017
	July		0.00041	0.000092	0.045	0	0.013	0.00013	0.00000097	991	0	0.90	0.023	0.00000086	0.0000011	0.0018
	August		0.00041	0.000091	0.044	0	0.012	0.00013	0.00000096	977	0	0.89	0.022	0.00000085	0.0000011	0.0018
	September		0.00039	0.000087	0.042	0	0.012	0.00012	0.00000091	933	0	0.85	0.021	0.00000081	0.0000011	0.0017
	October		0.00038	0.000084	0.041	0	0.012	0.00012	0.00000089	908	0	0.83	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	882	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	January		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2106	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	April		0.00012	0	0.000041	0.00000077	2172	354	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	435	0.0013	0
	May		0.00013	0	0.000043	0.00000081	2270	370	0.0000027	0.000027	0.000012	0.042	0.000044	0.043	455	0.0013	0
	June		0.00013	0	0.000044	0.00000082	2303	376	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	461	0.0014	0
	July	**2061**	0.00013	0	0.000045	0.00000083	2330	380	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	467	0.0014	0
	August		0.00013	0	0.000044	0.00000082	2301	375	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	461	0.0014	0
	September		0.00013	0	0.000043	0.0000008	2237	365	0.0000027	0.000027	0.000012	0.041	0.000044	0.043	448	0.0013	0
	October		0.00013	0	0.000042	0.00000078	2193	358	0.0000026	0.000026	0.000012	0.040	0.000043	0.042	439	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2114	345	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	423	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	April		0.00012	0	0.000041	0.00000076	2139	349	0.0000026	0.000026	0.000011	0.039	0.000042	0.041	428	0.0013	0
	May		0.00013	0	0.000044	0.00000081	2282	372	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	457	0.0013	0
	June		0.00013	0	0.000044	0.00000082	2294	374	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	459	0.0014	0
	July	**2062**	0.00013	0	0.000045	0.00000084	2346	383	0.0000028	0.000028	0.000012	0.043	0.000046	0.045	470	0.0014	0
	August		0.00013	0	0.000044	0.00000082	2295	374	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	460	0.0014	0
	September		0.00013	0	0.000043	0.00000079	2227	363	0.0000027	0.000027	0.000012	0.041	0.000043	0.042	446	0.0013	0
	October		0.00012	0	0.000041	0.00000077	2156	352	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	432	0.0013	0
	November		0.00012	0	0.000041	0.00000076	2123	346	0.0000026	0.000025	0.000011	0.039	0.000041	0.040	425	0.0013	0
	December		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2106	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2105	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	April		0.00012	0	0.000041	0.00000077	2153	351	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	431	0.0013	0
	May		0.00013	0	0.000043	0.0000008	2233	364	0.0000027	0.000027	0.000012	0.041	0.000044	0.042	447	0.0013	0
	June		0.00013	0	0.000044	0.00000082	2287	373	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	458	0.0013	0
	July	**2063**	0.00013	0	0.000045	0.00000084	2344	382	0.0000028	0.000028	0.000012	0.043	0.000046	0.045	469	0.0014	0
Reclamation	**August**		0.00013	0	0.000045	0.00000083	2340	382	0.0000028	0.000028	0.000012	0.043	0.000046	0.045	469	0.0014	0
	September		0.00013	0	0.000044	0.00000082	2287	373	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	458	0.0013	0
	October		0.00012	0	0.000042	0.00000078	2174	355	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	435	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2107	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2104	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	April		0.00012	0	0.000041	0.00000076	2137	349	0.0000026	0.000025	0.000011	0.039	0.000042	0.041	428	0.0013	0
	May		0.00013	0	0.000044	0.00000081	2277	372	0.0000027	0.000027	0.000012	0.042	0.000044	0.043	456	0.0013	0
	June		0.00013	0	0.000044	0.00000082	2297	375	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	460	0.0014	0
	July	**2064**	0.00013	0	0.000044	0.00000083	2322	379	0.0000028	0.000028	0.000012	0.043	0.000045	0.044	465	0.0014	0
	August		0.00013	0	0.000045	0.00000083	2330	380	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	467	0.0014	0
	September		0.00013	0	0.000042	0.00000079	2212	361	0.0000027	0.000026	0.000012	0.041	0.000043	0.042	443	0.0013	0
	October		0.00012	0	0.000041	0.00000076	2140	349	0.0000026	0.000026	0.000011	0.039	0.000042	0.041	429	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2113	345	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	423	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2116	345	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	424	0.0012	0
	April		0.00012	0	0.000041	0.00000077	2164	353	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	433	0.0013	0
	May		0.00013	0	0.000043	0.00000079	2225	363	0.0000027	0.000027	0.000012	0.041	0.000043	0.042	446	0.0013	0
	June		0.00013	0	0.000044	0.00000081	2281	372	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	457	0.0013	0
	July	**2065**	0.00013	0	0.000044	0.00000083	2325	379	0.0000028	0.000028	0.000012	0.043	0.000045	0.044	466	0.0014	0
	August		0.00013	0	0.000043	0.00000081	2270	370	0.0000027	0.000027	0.000012	0.042	0.000044	0.043	455	0.0013	0
	September		0.00013	0	0.000042	0.00000079	2212	361	0.0000027	0.000026	0.000012	0.041	0.000043	0.042	443	0.0013	0
	October		0.00012	0	0.000041	0.00000077	2154	351	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	431	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2104	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	February	**2066**	0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**January**	**2061**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	881	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00038	0.000084	0.041	0	0.011	0.00012	0.00000089	908	0	0.83	0.021	0.00000079	0.0000010	0.0016
	May		0.00040	0.000088	0.043	0	0.012	0.00012	0.00000093	949	0	0.86	0.022	0.00000083	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	963	0	0.88	0.022	0.00000084	0.0000011	0.0017
	July		0.00041	0.000090	0.044	0	0.012	0.00013	0.00000095	974	0	0.89	0.022	0.00000085	0.0000011	0.0017
	August		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	962	0	0.88	0.022	0.00000084	0.0000011	0.0017
	September		0.00039	0.000087	0.043	0	0.012	0.00012	0.00000092	935	0	0.85	0.021	0.00000082	0.0000011	0.0017
	October		0.00038	0.000085	0.042	0	0.012	0.00012	0.0000009	917	0	0.83	0.021	0.0000008	0.0000011	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	884	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2062**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00037	0.000083	0.041	0	0.011	0.00012	0.00000088	895	0	0.81	0.020	0.00000078	0.0000010	0.0016
	May		0.00040	0.000089	0.043	0	0.012	0.00012	0.00000093	954	0	0.87	0.022	0.00000083	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	959	0	0.87	0.022	0.00000084	0.0000011	0.0017
	July		0.00041	0.000091	0.045	0	0.012	0.00013	0.00000096	981	0	0.89	0.022	0.00000086	0.0000011	0.0018
	August		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	960	0	0.87	0.022	0.00000084	0.0000011	0.0017
	September		0.00039	0.000086	0.042	0	0.012	0.00012	0.00000091	931	0	0.85	0.021	0.00000081	0.0000011	0.0017
	October		0.00038	0.000084	0.041	0	0.011	0.00012	0.00000088	901	0	0.82	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000087	888	0	0.81	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2063**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	881	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00038	0.000084	0.041	0	0.011	0.00012	0.00000088	900	0	0.82	0.020	0.00000078	0.0000010	0.0016
	May		0.00039	0.000087	0.043	0	0.012	0.00012	0.00000091	934	0	0.85	0.021	0.00000081	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	956	0	0.87	0.022	0.00000083	0.0000011	0.0017
	July		0.00041	0.000091	0.045	0	0.012	0.00013	0.00000096	980	0	0.89	0.022	0.00000085	0.0000011	0.0018
	August		0.00041	0.000091	0.045	0	0.012	0.00013	0.00000096	979	0	0.89	0.022	0.00000085	0.0000011	0.0018
	September		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	956	0	0.87	0.022	0.00000083	0.0000011	0.0017
	October		0.00038	0.000084	0.041	0	0.012	0.00012	0.00000089	909	0	0.83	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	881	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2064**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00037	0.000083	0.041	0	0.011	0.00012	0.00000087	894	0	0.81	0.020	0.00000078	0.0000010	0.0016
	May		0.00040	0.000088	0.043	0	0.012	0.00012	0.00000093	952	0	0.87	0.022	0.00000083	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	961	0	0.87	0.022	0.00000084	0.0000011	0.0017
	July		0.00041	0.000090	0.044	0	0.012	0.00013	0.00000095	971	0	0.88	0.022	0.00000085	0.0000011	0.0017
	August		0.00041	0.000091	0.044	0	0.012	0.00013	0.00000095	975	0	0.89	0.022	0.00000085	0.0000011	0.0017
	September		0.00039	0.000086	0.042	0	0.012	0.00012	0.0000009	925	0	0.84	0.021	0.00000081	0.0000011	0.0017
	October		0.00037	0.000083	0.041	0	0.011	0.00012	0.00000088	895	0	0.81	0.020	0.00000078	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	884	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2065**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000087	885	0	0.81	0.020	0.00000077	0.0000010	0.0016
	April		0.00038	0.000084	0.041	0	0.011	0.00012	0.00000089	905	0	0.82	0.021	0.00000079	0.0000010	0.0016
	May		0.00039	0.000086	0.042	0	0.012	0.00012	0.00000091	930	0	0.85	0.021	0.00000081	0.0000011	0.0017
	June		0.00040	0.000089	0.043	0	0.012	0.00012	0.00000093	954	0	0.87	0.022	0.00000083	0.0000011	0.0017
	July		0.00041	0.000090	0.044	0	0.012	0.00013	0.00000095	972	0	0.88	0.022	0.00000085	0.0000011	0.0017
	August		0.00040	0.000088	0.043	0	0.012	0.00012	0.00000093	949	0	0.86	0.022	0.00000083	0.0000011	0.0017
	September		0.00039	0.000086	0.042	0	0.012	0.00012	0.00000091	925	0	0.84	0.021	0.00000081	0.0000011	0.0017
	October		0.00038	0.000084	0.041	0	0.011	0.00012	0.00000088	901	0	0.82	0.020	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January	**2066**	0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	February		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	April		0.00012	0	0.000040	0.00000075	2108	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	May		0.00013	0	0.000042	0.00000079	2209	360	0.0000027	0.000026	0.000012	0.041	0.000043	0.042	442	0.0013	0
	June		0.00013	0	0.000043	0.0000008	2247	367	0.0000027	0.000027	0.000012	0.041	0.000044	0.043	450	0.0013	0
	July		0.00013	0	0.000043	0.00000081	2274	371	0.0000027	0.000027	0.000012	0.042	0.000044	0.043	455	0.0013	0
	August	**2066**	0.00013	0	0.000044	0.00000082	2286	373	0.0000027	0.000027	0.000012	0.042	0.000045	0.043	458	0.0013	0
	September		0.00013	0	0.000042	0.00000079	2203	360	0.0000026	0.000026	0.000012	0.041	0.000043	0.042	441	0.0013	0
	October		0.00012	0	0.000041	0.00000077	2148	350	0.0000026	0.000026	0.000011	0.040	0.000042	0.041	430	0.0013	0
	November		0.00012	0	0.000040	0.00000075	2105	344	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	422	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2103	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	January		0.00012	0	0.000040	0.00000075	2104	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
Reclamation	**February**		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	March		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
	April		0.00012	0	0.000042	0.00000078	2179	356	0.0000026	0.000026	0.000012	0.040	0.000043	0.041	436	0.0013	0
	May		0.00013	0	0.000045	0.00000083	2334	381	0.0000028	0.000028	0.000012	0.043	0.000046	0.044	467	0.0014	0
	June		0.00013	0	0.000044	0.00000082	2289	374	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	458	0.0013	0
	July	**2067**	0.00013	0	0.000045	0.00000083	2341	382	0.0000028	0.000028	0.000012	0.043	0.000046	0.045	469	0.0014	0
	August		0.00013	0	0.000044	0.00000082	2295	374	0.0000028	0.000027	0.000012	0.042	0.000045	0.044	460	0.0014	0
	September		0.00013	0	0.000042	0.00000079	2221	362	0.0000027	0.000026	0.000012	0.041	0.000043	0.042	445	0.0013	0
	October		0.00012	0	0.000042	0.00000078	2178	355	0.0000026	0.000026	0.000011	0.040	0.000043	0.041	436	0.0013	0
	November		0.00012	0	0.000041	0.00000076	2122	346	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	425	0.0012	0
	December		0.00012	0	0.000040	0.00000075	2102	343	0.0000025	0.000025	0.000011	0.039	0.000041	0.040	421	0.0012	0
		MINIMUM	0.00012	0	0.000040	0.00000038	899	145	0.0000025	0.000019	0.000011	0.017	0.000027	0.040	177	0.00051	0
		MAXIMUM	0.0057	1.3	0.000050	0.00000085	2370	387	0.0000084	0.000028	0.000094	0.044	0.000046	0.11	475	0.0014	0.0000085
		AVERAGE	0.00017	0.011	0.000042	0.00000078	2177	355	0.0000027	0.000026	0.000012	0.040	0.000043	0.042	436	0.0013	7.3E-08

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-13: Scenario 13: Low Treatment Efficiency - Treated Effluent Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	882	0	0.80	0.020	0.00000077	0.0000010	0.0016
	May		0.00039	0.000086	0.042	0	0.012	0.00012	0.0000009	924	0	0.84	0.021	0.00000081	0.0000011	0.0017
	June		0.00039	0.000087	0.043	0	0.012	0.00012	0.00000092	940	0	0.86	0.021	0.00000082	0.0000011	0.0017
	July		0.00040	0.000088	0.043	0	0.012	0.00012	0.00000093	951	0	0.87	0.022	0.00000083	0.0000011	0.0017
	August	**2066**	0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	956	0	0.87	0.022	0.00000083	0.0000011	0.0017
	September		0.00039	0.000086	0.042	0	0.012	0.00012	0.0000009	921	0	0.84	0.021	0.0000008	0.0000011	0.0017
	October		0.00038	0.000083	0.041	0	0.011	0.00012	0.00000088	898	0	0.82	0.020	0.00000078	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	January		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	880	0	0.80	0.020	0.00000077	0.0000010	0.0016
Reclamation	**February**		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	March		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
	April		0.00038	0.000085	0.041	0	0.012	0.00012	0.00000089	911	0	0.83	0.021	0.00000079	0.0000010	0.0016
	May		0.00041	0.000091	0.044	0	0.012	0.00013	0.00000095	976	0	0.89	0.022	0.00000085	0.0000011	0.0017
	June		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	957	0	0.87	0.022	0.00000083	0.0000011	0.0017
	July	**2067**	0.00041	0.000091	0.045	0	0.012	0.00013	0.00000096	979	0	0.89	0.022	0.00000085	0.0000011	0.0018
	August		0.00040	0.000089	0.044	0	0.012	0.00013	0.00000094	960	0	0.87	0.022	0.00000084	0.0000011	0.0017
	September		0.00039	0.000086	0.042	0	0.012	0.00012	0.00000091	929	0	0.85	0.021	0.00000081	0.0000011	0.0017
	October		0.00038	0.000085	0.041	0	0.012	0.00012	0.00000089	911	0	0.83	0.021	0.00000079	0.0000010	0.0016
	November		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000087	887	0	0.81	0.020	0.00000077	0.0000010	0.0016
	December		0.00037	0.000082	0.040	0	0.011	0.00012	0.00000086	879	0	0.80	0.020	0.00000077	0.0000010	0.0016
		MINIMUM	0.00034	0.000064	0.040	0	0.011	0.00012	0.00000086	438	0	0.80	0.020	0.00000077	0.0000010	0.00059
		MAXIMUM	0.00041	0.000092	1.5	0.0095	0.096	0.088	0.0000012	991	0.20	259	0.59	0.0078	0.000052	0.0018
		AVERAGE	0.00038	0.000085	0.054	0.000081	0.012	0.00085	0.0000009	911	0.0017	3.1	0.026	0.000066	0.0000015	0.0016

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0041	0.023	0.000097	0.0000051	3.5	0.57	0.00020	0.000055	0.00012	0.085	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0083	0.037	0.00014	0.0000088	3.0	0.61	0.00018	0.00014	0.00012	0.072	0.000043	0.011	1.0	0.026	0.0000016
	May		0.014	0.058	0.00019	0.000014	2.6	0.71	0.00019	0.00025	0.00013	0.064	0.000042	0.011	0.88	0.033	0.0000019
	June		0.021	0.086	0.00028	0.000021	2.9	0.95	0.00023	0.00039	0.00016	0.074	0.000053	0.013	1.0	0.047	0.0000026
	July		0.032	0.13	0.00040	0.000031	3.1	1.3	0.00029	0.00059	0.00020	0.080	0.000063	0.015	1.0	0.066	0.0000035
	August		0.042	0.16	0.00051	0.000040	3.3	1.5	0.00033	0.00077	0.00024	0.086	0.000072	0.017	1.1	0.081	0.0000043
	September		0.043	0.17	0.00052	0.000041	2.9	1.5	0.00032	0.00080	0.00023	0.076	0.000068	0.016	0.96	0.082	0.0000043
	October		0.042	0.16	0.00051	0.000041	2.5	1.4	0.00029	0.00079	0.00022	0.068	0.000063	0.014	0.84	0.079	0.0000042
	November		0.040	0.15	0.00048	0.000038	2.2	1.3	0.00027	0.00074	0.00020	0.060	0.000057	0.013	0.74	0.074	0.0000039
	December		0.039	0.15	0.00047	0.000038	2.2	1.3	0.00027	0.00073	0.00020	0.059	0.000056	0.013	0.72	0.073	0.0000038
	January	2026	0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	February		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	March		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.058	0.000056	0.012	0.71	0.073	0.0000038
	April		0.037	0.14	0.00044	0.000035	1.8	1.2	0.00024	0.00069	0.00018	0.051	0.000051	0.011	0.61	0.068	0.0000035
	May		0.051	0.20	0.00060	0.000049	2.5	1.7	0.00033	0.00095	0.00025	0.069	0.000069	0.015	0.83	0.094	0.0000049
	June		0.055	0.21	0.00064	**0.000052**	2.6	1.8	0.00035	0.0010	0.00026	0.072	0.000073	0.016	0.86	0.10	0.0000052
	July		0.062	0.24	0.00073	**0.000059**	2.9	2.0	0.00039	0.0012	0.00029	0.080	0.000082	0.018	0.95	0.11	0.0000058
	August		0.054	0.21	0.00064	**0.000052**	2.5	1.7	0.00034	0.0010	0.00026	0.069	0.000071	0.016	0.81	0.099	0.0000051
	September		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.065	0.000067	0.015	0.76	0.093	0.0000048
	October		0.050	0.19	0.00059	0.000048	2.3	1.6	0.00031	0.00094	0.00023	0.063	0.000065	0.014	0.74	0.091	0.0000047
	November		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	December		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	January	2027	0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	February		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	March		0.047	0.18	0.00055	0.000044	2.1	1.5	0.00029	0.00087	0.00022	0.058	0.000060	0.013	0.68	0.085	0.0000044
	April		0.038	0.15	0.00045	0.000037	1.7	1.2	0.00024	0.00072	0.00018	0.048	0.000050	0.011	0.56	0.070	0.0000036
	May		0.041	0.16	0.00048	0.000039	1.8	1.3	0.00025	0.00077	0.00019	0.051	0.000053	0.012	0.59	0.075	0.0000038
	June		0.049	0.19	0.00057	0.000046	2.1	1.6	0.00030	0.00091	0.00023	0.060	0.000063	0.014	0.70	0.088	0.0000045
	July		0.049	0.19	0.00057	0.000047	2.1	1.6	0.00030	0.00092	0.00023	0.060	0.000063	0.014	0.70	0.089	0.0000046
	August		0.056	0.21	0.00066	**0.000053**	2.4	1.8	0.00034	0.0010	0.00026	0.069	0.000072	0.016	0.80	0.10	0.0000052
	September		0.068	0.26	0.00080	**0.000065**	2.9	2.2	0.00042	0.0013	0.00031	0.083	0.000087	0.019	0.96	0.12	0.0000063
	October		0.071	0.27	0.00083	**0.000067**	3.1	2.3	0.00043	0.0013	0.00033	0.086	0.000091	0.020	1.0	0.13	0.0000066
	November		0.062	0.24	0.00072	**0.000059**	2.7	2.0	0.00038	0.0011	0.00028	0.075	0.000079	0.017	0.88	0.11	0.0000057
	December		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	January	2028	0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	February		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	March		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	April		0.054	0.21	0.00076	**0.000052**	2.4	2.3	0.00035	0.0010	0.00030	0.073	0.000069	0.016	0.76	0.098	0.0000070
	May		0.047	0.18	0.00073	0.000046	2.0	2.3	0.00030	0.00090	0.00028	0.062	0.000058	0.014	0.60	0.085	0.0000070
	June		0.057	0.22	0.00085	**0.000055**	2.3	2.7	0.00036	0.0011	0.00032	0.071	0.000069	0.016	0.69	0.10	0.0000081
	July		0.065	0.25	0.00094	**0.000063**	2.4	2.9	0.00039	0.0012	0.00035	0.076	0.000076	0.017	0.73	0.12	0.0000087
	August		0.067	0.25	0.00093	**0.000064**	2.3	2.8	0.00039	0.0013	0.00034	0.073	0.000077	0.017	0.70	0.12	0.0000084
	September		0.069	0.26	0.00094	**0.000066**	2.3	2.8	0.00040	0.0013	0.00035	0.072	0.000078	0.017	0.69	0.12	0.0000084
	October		0.076	0.29	0.0010	**0.000073**	2.5	3.0	0.00044	0.0014	0.00038	0.078	0.000085	0.019	0.75	0.13	0.0000090
	November		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	December		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
		MINIMUM	0.0038	0.022	0.000095	0.0000049	1.7	0.57	0.00018	0.000050	0.00012	0.048	0.000042	0.011	0.56	0.021	0.0000014
		MAXIMUM	0.076	0.29	0.0010	**0.000073**	3.6	3.0	0.00044	0.0014	0.00038	0.086	0.000091	0.020	1.2	0.13	0.0000090
		AVERAGE	0.048	0.18	0.00059	0.000046	2.5	1.7	0.00032	0.00089	0.00024	0.070	0.000066	0.015	0.82	0.088	0.0000050
Operations	January	2029	0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	February		0.076	0.29	0.0010	**0.000073**	2.4	3.0	0.00043	0.0014	0.00037	0.077	0.000085	0.019	0.74	0.13	0.0000090
	March		0.074	0.28	0.00099	**0.000071**	2.4	2.9	0.00042	0.0014	0.00036	0.075	0.000083	0.018	0.72	0.13	0.0000087
	April		0.058	0.22	0.00076	**0.000056**	1.8	2.2	0.00033	0.0011	0.00028	0.056	0.000064	0.014	0.54	0.10	0.0000066
	May		0.058	0.22	0.00075	**0.000055**	1.7	2.1	0.00032	0.0011	0.00027	0.054	0.000063	0.014	0.52	0.10	0.0000064
	June		0.062	0.23	0.00079	**0.000059**	1.8	2.2	0.00034	0.0012	0.00028	0.056	0.000067	0.014	0.54	0.11	0.0000066
	July		0.076	0.29	0.00095	**0.000072**	2.1	2.7	0.00041	0.0014	0.00034	0.067	0.000082	0.017	0.65	0.13	0.0000080
	August		0.088	0.33	0.0011	**0.000084**	2.4	3.0	0.00047	0.0017	0.00039	0.076	0.000094	0.020	0.73	0.15	0.0000091
	September		0.083	0.32	0.0010	**0.000079**	2.2	2.8	0.00045	0.0016	0.00037	0.071	0.000089	0.019	0.68	0.14	0.0000084
	October		0.085	0.32	0.0010	**0.000081**	2.2	2.9	0.00045	0.0016	0.00037	0.072	0.000090	0.019	0.69	0.15	0.0000085
	November		0.082	0.31	0.0010	**0.000078**	2.2	2.7	0.00044	0.0016	0.00036	0.069	0.000087	0.018	0.66	0.14	0.0000082
	December		0.082	0.31	0.0010	**0.000078**	2.1	2.7	0.00043	0.0015	0.00036	0.069	0.000087	0.018	0.66	0.14	0.0000082

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	January	2025	0.000053	0.000073	0.090	0.0075	0.0043	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000079	0.089	0.0075	0.0066	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00081
	April		0.000053	0.00019	0.077	0.0062	0.0063	0.0038	0.000043	1.2	0.025	1.4	0.0044	0.000046	0.00014	0.00099
	May		0.000057	0.00033	0.070	0.0054	0.0063	0.0034	0.000042	1.0	0.022	1.4	0.0043	0.000045	0.00014	0.0013
	June		0.000075	0.00051	0.082	0.0061	0.0080	0.0041	0.000053	1.2	0.026	1.8	0.0053	0.000055	0.00018	0.0018
	July		0.000095	0.00078	0.091	0.0064	0.0093	0.0046	0.000063	1.3	0.028	2.2	0.0063	0.000065	0.00022	0.0025
	August		0.00011	0.0010	0.100	0.0068	0.011	0.0051	0.000072	1.4	0.030	2.5	0.0072	0.000074	0.00026	0.0032
	September		0.00011	0.0010	0.090	0.0059	0.010	0.0046	0.000068	1.2	0.026	2.4	0.0068	0.000070	0.00025	0.0032
	October		0.00010	0.0010	0.081	0.0052	0.0094	0.0042	0.000063	1.1	0.023	2.2	0.0063	0.000065	0.00023	0.0031
	November		0.000096	0.00097	0.073	0.0046	0.0089	0.0038	0.000057	0.95	0.021	2.1	0.0058	0.000059	0.00021	0.0029
	December		0.000095	0.00096	0.072	0.0045	0.0093	0.0037	0.000056	0.93	0.020	2.0	0.0057	0.000058	0.00021	0.0028
	January	2026	0.000094	0.00096	0.071	0.0044	0.0097	0.0037	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	February		0.000094	0.00096	0.071	0.0044	0.010	0.0037	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	March		0.000094	0.00095	0.071	0.0044	0.011	0.0036	0.000056	0.91	0.020	2.0	0.0056	0.000057	0.00021	0.0028
	April		0.000086	0.00090	0.062	0.0038	0.0085	0.0032	0.000051	0.80	0.017	1.8	0.0051	0.000052	0.00019	0.0026
	May		0.00012	0.0012	0.085	0.0051	0.012	0.0044	0.000069	1.1	0.024	2.5	0.0070	0.000071	0.00026	0.0036
	June		0.00013	0.0013	0.089	0.0053	0.011	0.0046	0.000073	1.1	0.025	2.7	0.0074	0.000075	0.00027	0.0039
	July		0.00014	0.0015	0.099	0.0059	0.012	0.0052	0.000082	1.3	0.027	3.0	0.0082	0.000084	0.00031	0.0044
	August		0.00012	0.0013	0.086	0.0051	0.0096	0.0045	0.000071	1.1	0.024	2.6	0.0072	0.000073	0.00027	0.0038
	September		0.00012	0.0012	0.080	0.0047	0.0088	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	October		0.00011	0.0012	0.079	0.0046	0.0089	0.0041	0.000065	0.98	0.022	2.4	0.0066	0.000067	0.00025	0.0035
	November		0.00012	0.0012	0.080	0.0047	0.0097	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	December		0.00012	0.0012	0.080	0.0047	0.010	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	January	2027	0.00012	0.0012	0.080	0.0047	0.011	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	February		0.00012	0.0012	0.080	0.0047	0.012	0.0042	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	March		0.00011	0.0011	0.073	0.0042	0.010	0.0038	0.000060	0.91	0.020	2.2	0.0061	0.000062	0.00023	0.0033
	April		0.000087	0.00093	0.059	0.0035	0.0076	0.0031	0.000050	0.74	0.016	1.8	0.0050	0.000051	0.00019	0.0027
	May		0.000093	0.0010	0.064	0.0037	0.0077	0.0033	0.000053	0.79	0.017	1.9	0.0053	0.000054	0.00020	0.0029
	June		0.00011	0.0012	0.075	0.0043	0.0087	0.0039	0.000063	0.93	0.020	2.3	0.0063	0.000064	0.00024	0.0034
	July		0.00011	0.0012	0.075	0.0044	0.0078	0.0039	0.000063	0.94	0.021	2.3	0.0063	0.000064	0.00024	0.0034
	August		0.00013	0.0014	0.086	0.0050	0.0088	0.0045	0.000072	1.1	0.023	2.6	0.0072	0.000074	0.00027	0.0039
	September		0.00015	0.0017	0.10	0.0060	0.011	0.0054	0.000087	1.3	0.028	3.2	0.0088	0.000089	0.00033	0.0048
	October		0.00016	0.0017	0.11	0.0063	0.013	0.0056	0.000091	1.3	0.030	3.3	0.0091	0.000093	0.00034	0.0050
	November		0.00014	0.0015	0.094	0.0055	0.011	0.0049	0.000079	1.2	0.026	2.9	0.0079	0.000081	0.00030	0.0043
	December		0.00014	0.0015	0.093	0.0054	0.012	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	January	2028	0.00014	0.0015	0.093	0.0054	0.013	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	February		0.00014	0.0015	0.093	0.0054	0.014	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	March		0.00014	0.0015	0.093	0.0054	0.014	0.0048	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	April		0.00024	0.0013	0.081	0.0055	0.013	0.0092	0.000081	1.0	0.023	2.9	0.0083	0.0026	0.00030	0.0042
	May		0.00027	0.0012	0.065	0.0048	0.0099	0.010	0.000074	0.80	0.019	2.7	0.0076	0.0035	0.00027	0.0039
	June		0.00030	0.0014	0.077	0.0054	0.012	0.011	0.000086	0.93	0.021	3.1	0.0088	0.0038	0.00032	0.0046
	July		0.00031	0.0016	0.084	0.0056	0.012	0.011	0.000093	1.0	0.023	3.4	0.0095	0.0037	0.00035	0.0051
	August		0.00029	0.0017	0.083	0.0053	0.012	0.010	0.000091	0.98	0.022	3.3	0.0092	0.0032	0.00034	0.0051
	September		0.00028	0.0017	0.084	0.0052	0.012	0.0099	0.000092	0.98	0.022	3.4	0.0093	0.0029	0.00034	0.0052
	October		0.00030	0.0019	0.091	0.0056	0.014	0.010	0.000099	1.1	0.024	3.7	0.010	0.0030	0.00037	0.0057
	November		0.00029	0.0019	0.091	0.0055	0.014	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	December		0.00029	0.0019	0.091	0.0055	0.015	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
		MINIMUM	0.000053	0.000073	0.059	0.0035	0.0043	0.0031	0.000042	0.74	0.016	1.4	0.0043	0.000045	0.00014	0.00080
		MAXIMUM	0.00031	0.0019	0.11	0.0075	0.015	0.011	0.000099	1.4	0.030	3.7	0.010	0.0038	0.00037	0.0057
		AVERAGE	0.00014	0.0012	0.083	0.0053	0.010	0.0054	0.000069	1.1	0.023	2.5	0.0070	0.00065	0.00025	0.0035
Operations	January	2029	0.00029	0.0019	0.091	0.0055	0.016	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	February		0.00029	0.0019	0.091	0.0055	0.016	0.010	0.000099	1.1	0.024	3.7	0.010	0.0029	0.00037	0.0056
	March		0.00028	0.0018	0.088	0.0054	0.016	0.010	0.000096	1.0	0.023	3.5	0.0097	0.0028	0.00036	0.0055
	April		0.00021	0.0014	0.068	0.0040	0.012	0.0072	0.000073	0.78	0.018	2.7	0.0074	0.0019	0.00028	0.0043
	May		0.00020	0.0014	0.066	0.0038	0.011	0.0067	0.000071	0.76	0.017	2.7	0.0072	0.0017	0.00027	0.0042
	June		0.00020	0.0015	0.070	0.0039	0.011	0.0067	0.000074	0.80	0.018	2.8	0.0075	0.0016	0.00028	0.0044
	July		0.00023	0.0019	0.084	0.0046	0.013	0.0078	0.000090	0.96	0.022	3.4	0.0090	0.0018	0.00034	0.0054
	August		0.00026	0.0022	0.097	0.0052	0.015	0.0085	0.00010	1.1	0.025	3.8	0.010	0.0018	0.00039	0.0062
	September		0.00024	0.0021	0.091	0.0047	0.014	0.0077	0.000096	1.0	0.023	3.6	0.0096	0.0015	0.00037	0.0059
	October		0.00024	0.0021	0.092	0.0048	0.014	0.0076	0.000097	1.0	0.023	3.7	0.0098	0.0015	0.00037	0.0060
	November		0.00023	0.0020	0.089	0.0046	0.014	0.0073	0.000093	1.00	0.022	3.5	0.0094	0.0014	0.00036	0.0058
	December		0.00023	0.0020	0.088	0.0046	0.015	0.0072	0.000093	0.99	0.022	3.5	0.0094	0.0014	0.00036	0.0057

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	0.082	0.31	0.0010	**0.000078**	2.1	2.7	0.00043	0.0015	0.00036	0.069	0.000087	0.018	0.66	0.14	0.0000082
	February		0.080	0.31	0.00099	**0.000076**	2.1	2.7	0.00043	0.0015	0.00035	0.067	0.000085	0.018	0.65	0.14	0.0000080
	March		0.076	0.29	0.00093	**0.000072**	2.0	2.5	0.00040	0.0014	0.00033	0.063	0.000081	0.017	0.61	0.13	0.0000076
	April		0.064	0.24	0.00077	**0.000060**	1.6	2.1	0.00034	0.0012	0.00027	0.052	0.000067	0.014	0.50	0.11	0.0000062
	May		0.068	0.26	0.00082	**0.000065**	1.7	2.2	0.00036	0.0013	0.00029	0.055	0.000071	0.015	0.53	0.12	0.0000066
	June		0.061	0.23	0.00072	**0.000058**	1.5	1.9	0.00032	0.0011	0.00026	0.048	0.000063	0.013	0.46	0.11	0.0000058
	July		0.058	0.22	0.00068	**0.000055**	1.4	1.8	0.00030	0.0011	0.00024	0.045	0.000060	0.012	0.43	0.10	0.0000054
	August		0.065	0.25	0.00076	**0.000061**	1.5	2.0	0.00033	0.0012	0.00027	0.049	0.000067	0.014	0.47	0.11	0.0000059
	September		0.060	0.23	0.00071	**0.000057**	1.4	1.8	0.00031	0.0011	0.00025	0.045	0.000062	0.013	0.43	0.10	0.0000055
	October		0.060	0.23	0.00070	**0.000057**	1.4	1.8	0.00030	0.0011	0.00024	0.044	0.000062	0.013	0.43	0.10	0.0000054
	November		0.055	0.21	0.00064	**0.000052**	1.3	1.7	0.00028	0.0010	0.00022	0.041	0.000057	0.012	0.39	0.095	0.0000050
	December		0.054	0.20	0.00063	**0.000051**	1.2	1.6	0.00028	0.0010	0.00022	0.040	0.000056	0.011	0.38	0.093	0.0000049
	January	**2031**	0.052	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.00099	0.00021	0.039	0.000054	0.011	0.37	0.090	0.0000047
	February		0.052	0.20	0.00061	0.000049	1.2	1.6	0.00027	0.00098	0.00021	0.039	0.000054	0.011	0.37	0.090	0.0000047
	March		0.051	0.19	0.00060	0.000049	1.2	1.5	0.00026	0.00097	0.00021	0.038	0.000053	0.011	0.36	0.089	0.0000046
	April		0.043	0.16	0.00050	0.000041	0.99	1.3	0.00022	0.00081	0.00017	0.032	0.000044	0.0090	0.30	0.074	0.0000039
	May		0.045	0.17	0.00052	0.000042	1.0	1.3	0.00023	0.00084	0.00018	0.033	0.000046	0.0094	0.31	0.077	0.0000040
	June		0.056	0.21	0.00064	**0.000053**	1.3	1.7	0.00028	0.0010	0.00022	0.041	0.000057	0.012	0.39	0.096	0.0000049
	July		0.068	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	August		0.079	0.30	0.00090	**0.000074**	1.8	2.3	0.00040	0.0015	0.00031	0.057	0.000080	0.016	0.54	0.14	0.0000069
	September		0.076	0.29	0.00088	**0.000072**	1.7	2.3	0.00039	0.0014	0.00031	0.055	0.000078	0.016	0.53	0.13	0.0000067
	October		0.071	0.27	0.00082	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000063
	November		0.066	0.25	0.00076	**0.000063**	1.5	2.0	0.00033	0.0012	0.00026	0.048	0.000068	0.014	0.46	0.11	0.0000058
	December		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.048	0.000067	0.014	0.46	0.11	0.0000058
	January	**2032**	0.065	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.013	0.45	0.11	0.0000057
	February		0.065	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.013	0.45	0.11	0.0000057
	March		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.098	0.0000050
	April		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00087	0.00019	0.033	0.000047	0.0096	0.32	0.080	0.0000041
	May		0.049	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	June		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	July		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.10	0.0000051
	August		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.42	0.10	0.0000053
	September		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	October		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.47	0.12	0.0000061
	November		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000069	0.014	0.46	0.12	0.0000059
	December		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	January	**2033**	0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	February		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	March		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	April		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	May		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.093	0.0000047
	June		0.061	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	July		0.075	0.28	0.00086	**0.000071**	1.7	2.2	0.00038	0.0014	0.00030	0.053	0.000076	0.015	0.51	0.13	0.0000065
	August		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000082	0.017	0.55	0.14	0.0000070
	September		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000070
	October		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	November		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000062
	December		0.070	0.27	0.00080	**0.000067**	1.6	2.1	0.00035	0.0013	0.00028	0.050	0.000072	0.014	0.48	0.12	0.0000061
	January	**2034**	0.070	0.27	0.00080	**0.000067**	1.6	2.1	0.00035	0.0013	0.00028	0.050	0.000072	0.014	0.48	0.12	0.0000061
	February		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	March		0.065	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000067	0.013	0.44	0.11	0.0000057
	April		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	May		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.092	0.0000047
	June		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0094	0.31	0.079	0.0000040
	July		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00081	0.00017	0.031	0.000044	0.0089	0.29	0.074	0.0000037
	August		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	September		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.32	0.082	0.0000041
	October		0.052	0.20	0.00060	0.000049	1.2	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	November		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.089	0.0000045
	December		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	January	**2035**	0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00093	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	February		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	March		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	January	2030	0.00023	0.0020	0.088	0.0046	0.016	0.0073	0.000093	0.99	0.022	3.5	0.0094	0.0014	0.00036	0.0057
	February		0.00022	0.0020	0.087	0.0045	0.016	0.0071	0.000091	0.97	0.022	3.4	0.0092	0.0013	0.00035	0.0056
	March		0.00021	0.0019	0.082	0.0042	0.015	0.0067	0.000086	0.92	0.021	3.2	0.0087	0.0012	0.00033	0.0053
	April		0.00017	0.0016	0.068	0.0034	0.012	0.0053	0.000071	0.76	0.017	2.7	0.0071	0.00090	0.00027	0.0044
	May		0.00017	0.0017	0.072	0.0036	0.012	0.0054	0.000075	0.80	0.018	2.8	0.0076	0.00088	0.00029	0.0047
	June		0.00015	0.0015	0.064	0.0031	0.0096	0.0045	0.000066	0.70	0.016	2.5	0.0067	0.00064	0.00026	0.0042
	July		0.00014	0.0014	0.060	0.0028	0.0084	0.0041	0.000062	0.66	0.015	2.4	0.0062	0.00048	0.00024	0.0040
	August		0.00015	0.0016	0.067	0.0031	0.0090	0.0044	0.000069	0.73	0.016	2.6	0.0069	0.00045	0.00027	0.0044
	September		0.00013	0.0015	0.062	0.0029	0.0082	0.0039	0.000064	0.68	0.015	2.4	0.0064	0.00036	0.00025	0.0041
	October		0.00013	0.0015	0.061	0.0028	0.0083	0.0038	0.000063	0.67	0.015	2.4	0.0063	0.00032	0.00025	0.0040
	November		0.00012	0.0014	0.056	0.0026	0.0080	0.0035	0.000058	0.61	0.014	2.2	0.0058	0.00028	0.00023	0.0037
	December		0.00012	0.0013	0.055	0.0025	0.0083	0.0034	0.000057	0.60	0.013	2.2	0.0057	0.00027	0.00022	0.0037
	January	2031	0.00011	0.0013	0.053	0.0024	0.0084	0.0033	0.000055	0.58	0.013	2.1	0.0055	0.00026	0.00021	0.0035
	February		0.00011	0.0013	0.053	0.0024	0.0088	0.0033	0.000055	0.58	0.013	2.1	0.0055	0.00026	0.00021	0.0035
	March		0.00011	0.0013	0.052	0.0024	0.0089	0.0032	0.000054	0.57	0.013	2.1	0.0054	0.00025	0.00021	0.0035
	April		0.000092	0.0011	0.044	0.0020	0.0068	0.0026	0.000045	0.48	0.011	1.7	0.0045	0.00018	0.00018	0.0029
	May		0.000094	0.0011	0.045	0.0020	0.0065	0.0027	0.000046	0.49	0.011	1.8	0.0047	0.00016	0.00018	0.0030
	June		0.00012	0.0014	0.056	0.0025	0.0081	0.0033	0.000058	0.61	0.014	2.2	0.0058	0.00018	0.00023	0.0038
	July		0.00014	0.0017	0.069	0.0031	0.0096	0.0040	0.000070	0.75	0.017	2.7	0.0071	0.00020	0.00028	0.0046
	August		0.00016	0.0019	0.079	0.0035	0.011	0.0045	0.000081	0.86	0.019	3.1	0.0081	0.00021	0.00032	0.0053
	September		0.00016	0.0019	0.077	0.0034	0.011	0.0044	0.000079	0.83	0.018	3.0	0.0079	0.00018	0.00031	0.0051
	October		0.00014	0.0017	0.072	0.0032	0.010	0.0041	0.000073	0.78	0.017	2.8	0.0073	0.00016	0.00029	0.0048
	November		0.00013	0.0016	0.067	0.0029	0.0099	0.0038	0.000068	0.72	0.016	2.6	0.0068	0.00015	0.00027	0.0045
	December		0.00013	0.0016	0.066	0.0029	0.010	0.0038	0.000068	0.72	0.016	2.6	0.0068	0.00015	0.00027	0.0044
	January	2032	0.00013	0.0016	0.066	0.0029	0.011	0.0037	0.000067	0.71	0.016	2.6	0.0067	0.00015	0.00026	0.0044
	February		0.00013	0.0016	0.066	0.0029	0.011	0.0037	0.000067	0.71	0.016	2.6	0.0067	0.00015	0.00026	0.0044
	March		0.00012	0.0014	0.057	0.0025	0.0096	0.0032	0.000058	0.62	0.014	2.2	0.0059	0.00012	0.00023	0.0038
	April		0.000093	0.0011	0.047	0.0020	0.0071	0.0026	0.000048	0.50	0.011	1.8	0.0048	0.000089	0.00019	0.0031
	May		0.000099	0.0012	0.050	0.0022	0.0074	0.0028	0.000051	0.54	0.012	1.9	0.0051	0.000089	0.00020	0.0033
	June		0.00012	0.0015	0.060	0.0026	0.0088	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.00010	0.00024	0.0040
	July		0.00012	0.0014	0.058	0.0026	0.0081	0.0032	0.000060	0.63	0.014	2.3	0.0060	0.000092	0.00023	0.0039
	August		0.00012	0.0015	0.061	0.0027	0.0082	0.0034	0.000062	0.66	0.015	2.4	0.0062	0.000090	0.00024	0.0041
	September		0.00013	0.0017	0.068	0.0030	0.0094	0.0037	0.000069	0.73	0.016	2.7	0.0069	0.000097	0.00027	0.0045
	October		0.00014	0.0017	0.070	0.0030	0.010	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000098	0.00028	0.0047
	November		0.00014	0.0017	0.068	0.0030	0.010	0.0038	0.000070	0.74	0.016	2.7	0.0070	0.000095	0.00027	0.0046
	December		0.00014	0.0017	0.068	0.0030	0.011	0.0038	0.000069	0.74	0.016	2.7	0.0070	0.000095	0.00027	0.0046
	January	2033	0.00014	0.0017	0.068	0.0030	0.011	0.0038	0.000069	0.74	0.016	2.7	0.0070	0.000095	0.00027	0.0046
	February		0.00014	0.0017	0.068	0.0030	0.012	0.0038	0.000069	0.74	0.016	2.7	0.0070	0.000095	0.00027	0.0046
	March		0.00013	0.0017	0.068	0.0030	0.012	0.0037	0.000069	0.73	0.016	2.6	0.0069	0.000094	0.00027	0.0045
	April		0.00010	0.0013	0.052	0.0023	0.0083	0.0029	0.000053	0.56	0.012	2.0	0.0053	0.000069	0.00021	0.0035
	May		0.00011	0.0013	0.054	0.0024	0.0081	0.0030	0.000055	0.59	0.013	2.1	0.0055	0.000069	0.00022	0.0036
	June		0.00012	0.0015	0.062	0.0027	0.0090	0.0034	0.000063	0.66	0.015	2.4	0.0063	0.000076	0.00025	0.0041
	July		0.00015	0.0018	0.075	0.0033	0.011	0.0041	0.000076	0.81	0.018	2.9	0.0076	0.000091	0.00030	0.0050
	August		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.2	0.0083	0.000096	0.00032	0.0054
	September		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000095	0.00032	0.0054
	October		0.00016	0.0020	0.081	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000094	0.00032	0.0054
	November		0.00014	0.0017	0.071	0.0031	0.011	0.0039	0.000072	0.77	0.017	2.8	0.0072	0.000082	0.00028	0.0048
	December		0.00014	0.0017	0.070	0.0031	0.011	0.0038	0.000072	0.76	0.017	2.7	0.0072	0.000081	0.00028	0.0047
	January	2034	0.00014	0.0017	0.070	0.0031	0.012	0.0038	0.000072	0.76	0.017	2.7	0.0072	0.000081	0.00028	0.0047
	February		0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000081	0.00028	0.0047
	March		0.00013	0.0016	0.065	0.0028	0.011	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000075	0.00026	0.0044
	April		0.00011	0.0013	0.053	0.0023	0.0087	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000060	0.00021	0.0036
	May		0.00011	0.0013	0.054	0.0023	0.0084	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000060	0.00022	0.0036
	June		0.000090	0.0011	0.046	0.0020	0.0060	0.0025	0.000046	0.49	0.011	1.8	0.0047	0.000050	0.00018	0.0031
	July		0.000085	0.0011	0.043	0.0019	0.0049	0.0023	0.000044	0.47	0.010	1.7	0.0044	0.000046	0.00017	0.0029
	August		0.000094	0.0012	0.048	0.0021	0.0054	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000050	0.00019	0.0032
	September		0.000094	0.0012	0.048	0.0021	0.0054	0.0026	0.000049	0.51	0.011	1.9	0.0049	0.000050	0.00019	0.0032
	October		0.00010	0.0013	0.052	0.0023	0.0064	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000055	0.00021	0.0035
	November		0.00010	0.0013	0.051	0.0022	0.0068	0.0028	0.000052	0.56	0.012	2.0	0.0052	0.000054	0.00021	0.0034
	December		0.000097	0.0012	0.049	0.0021	0.0070	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000052	0.00020	0.0033
	January	2035	0.000097	0.0012	0.049	0.0021	0.0074	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	February		0.000095	0.0012	0.048	0.0021	0.0076	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000050	0.00019	0.0032
	March		0.000095	0.0012	0.048	0.0021	0.0080	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000050	0.00019	0.0032

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0091	0.30	0.077	0.0000039
	May		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	June		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0096	0.31	0.080	0.0000040
	July		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	August		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	September		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	October		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	November		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	December		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	January	2036	0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	February		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	March		0.061	0.23	0.00069	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	April		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	May		0.046	0.17	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.080	0.0000040
	June		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	July		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000056
	August		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.017	0.58	0.15	0.0000074
	September		0.092	0.35	0.0011	**0.000087**	2.0	2.7	0.00046	0.0017	0.00037	0.065	0.000094	0.019	0.63	0.16	0.0000080
	October		0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.58	0.15	0.0000075
	November		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	December		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	January	2037	0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	February		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000078	0.016	0.52	0.13	0.0000066
	March		0.074	0.28	0.00084	**0.000070**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	April		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	May		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	July		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	August		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0013	0.00028	0.051	0.000073	0.015	0.49	0.12	0.0000062
	September		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	October		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	November		0.070	0.27	0.00080	**0.000067**	1.6	2.1	0.00035	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	December		0.070	0.27	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	January	2038	0.070	0.27	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	February		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.10	0.0000050
	April		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	May		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.010	0.35	0.088	0.0000044
	June		0.060	0.23	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.40	0.10	0.0000052
	July		0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	August		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	September		0.080	0.30	0.00092	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	October		0.067	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	November		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000056
	December		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	January	2039	0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	February		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.099	0.0000050
	March		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	April		0.056	0.21	0.00063	**0.000053**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000057	0.011	0.38	0.096	0.0000048
	May		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.43	0.11	0.0000054
	June		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	July		0.080	0.30	0.00091	**0.000075**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	August		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	September		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	October		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.11	0.0000053
	November		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.096	0.0000049
	December		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000049
	January	2040	0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000049
	February		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000049
	March		0.046	0.17	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0094	0.31	0.079	0.0000040
	April		0.041	0.15	0.00047	0.000039	0.90	1.2	0.00021	0.00077	0.00016	0.029	0.000042	0.0084	0.28	0.070	0.0000035
	May		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	June		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.000087	0.0011	0.044	0.0019	0.0071	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	May		0.000083	0.0010	0.042	0.0018	0.0061	0.0023	0.000043	0.46	0.010	1.7	0.0043	0.000044	0.00017	0.0028
	June		0.000091	0.0011	0.046	0.0020	0.0063	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	July		0.00010	0.0013	0.052	0.0023	0.0068	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000054	0.00021	0.0035
	August		0.00012	0.0015	0.062	0.0027	0.0080	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0041
	September		0.00013	0.0016	0.066	0.0029	0.0087	0.0036	0.000067	0.71	0.016	2.6	0.0067	0.000068	0.00026	0.0044
	October		0.00013	0.0016	0.064	0.0028	0.0088	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	November		0.00012	0.0016	0.063	0.0028	0.0092	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	December		0.00012	0.0016	0.063	0.0028	0.0098	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	January	2036	0.00012	0.0016	0.063	0.0028	0.010	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	February		0.00012	0.0016	0.063	0.0028	0.011	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	March		0.00012	0.0015	0.061	0.0026	0.011	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00024	0.0041
	April		0.000091	0.0011	0.047	0.0020	0.0072	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	May		0.000091	0.0011	0.046	0.0020	0.0067	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	June		0.00011	0.0014	0.058	0.0025	0.0082	0.0031	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	July		0.00013	0.0016	0.064	0.0028	0.0088	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	August		0.00017	0.0021	0.085	0.0037	0.012	0.0046	0.000086	0.92	0.020	3.3	0.0086	0.000087	0.00034	0.0057
	September		0.00018	0.0023	0.092	0.0040	0.013	0.0050	0.000094	1.00	0.022	3.6	0.0094	0.000095	0.00037	0.0062
	October		0.00017	0.0021	0.086	0.0037	0.013	0.0047	0.000088	0.93	0.021	3.4	0.0088	0.000088	0.00034	0.0058
	November		0.00016	0.0020	0.081	0.0035	0.013	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0055
	December		0.00016	0.0020	0.081	0.0035	0.013	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0055
	January	2037	0.00016	0.0020	0.081	0.0035	0.014	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00033	0.0055
	February		0.00015	0.0019	0.076	0.0033	0.013	0.0041	0.000078	0.82	0.018	3.0	0.0078	0.000078	0.00031	0.0051
	March		0.00014	0.0018	0.074	0.0032	0.013	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	April		0.00011	0.0014	0.056	0.0025	0.0090	0.0031	0.000057	0.61	0.013	2.2	0.0058	0.000058	0.00023	0.0038
	May		0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000066	0.69	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00012	0.0015	0.060	0.0026	0.0089	0.0033	0.000061	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0040
	July		0.00011	0.0014	0.056	0.0025	0.0076	0.0031	0.000057	0.61	0.013	2.2	0.0058	0.000058	0.00023	0.0038
	August		0.00014	0.0018	0.071	0.0031	0.0096	0.0039	0.000073	0.77	0.017	2.8	0.0073	0.000073	0.00029	0.0048
	September		0.00013	0.0017	0.068	0.0030	0.0091	0.0037	0.000069	0.74	0.016	2.7	0.0069	0.000070	0.00027	0.0046
	October		0.00014	0.0017	0.071	0.0031	0.0099	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000072	0.00028	0.0047
	November		0.00014	0.0017	0.070	0.0031	0.011	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000072	0.00028	0.0047
	December		0.00014	0.0017	0.070	0.0030	0.011	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	January	2038	0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.76	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	February		0.00014	0.0017	0.070	0.0030	0.012	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	March		0.00011	0.0014	0.058	0.0025	0.0096	0.0032	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	April		0.000092	0.0011	0.047	0.0020	0.0071	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	May		0.00010	0.0012	0.051	0.0022	0.0076	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	June		0.00012	0.0015	0.060	0.0026	0.0088	0.0032	0.000061	0.64	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	July		0.00014	0.0017	0.069	0.0030	0.0099	0.0037	0.000070	0.74	0.016	2.7	0.0070	0.000070	0.00028	0.0046
	August		0.00016	0.0020	0.082	0.0035	0.012	0.0044	0.000083	0.88	0.019	3.2	0.0083	0.000084	0.00033	0.0055
	September		0.00016	0.0020	0.080	0.0035	0.012	0.0044	0.000082	0.87	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	October		0.00013	0.0016	0.067	0.0029	0.0095	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	November		0.00013	0.0016	0.064	0.0028	0.0095	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	December		0.00013	0.0016	0.064	0.0028	0.010	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	January	2039	0.00013	0.0016	0.064	0.0028	0.011	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	February		0.00011	0.0014	0.057	0.0025	0.0094	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000059	0.00023	0.0038
	March		0.00011	0.0013	0.055	0.0024	0.0091	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	April		0.00011	0.0014	0.056	0.0024	0.0093	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	May		0.00012	0.0015	0.063	0.0027	0.010	0.0034	0.000064	0.68	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	June		0.00016	0.0020	0.080	0.0035	0.013	0.0043	0.000081	0.86	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	July		0.00016	0.0020	0.080	0.0035	0.012	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000082	0.00032	0.0053
	August		0.00012	0.0015	0.063	0.0027	0.0088	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	September		0.00013	0.0016	0.065	0.0028	0.0091	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	October		0.00012	0.0015	0.061	0.0026	0.0087	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000062	0.00024	0.0041
	November		0.00011	0.0014	0.056	0.0024	0.0082	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0038
	December		0.00011	0.0014	0.056	0.0024	0.0087	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	January	2040	0.00011	0.0014	0.056	0.0024	0.0092	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	February		0.00011	0.0014	0.056	0.0024	0.0096	0.0030	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	March		0.000091	0.0011	0.046	0.0020	0.0073	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	April		0.000080	0.0010	0.041	0.0018	0.0061	0.0022	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00016	0.0027
	May		0.000083	0.0010	0.042	0.0018	0.0059	0.0023	0.000043	0.46	0.010	1.7	0.0043	0.000043	0.00017	0.0028
	June		0.000089	0.0011	0.045	0.0020	0.0058	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0096	0.31	0.080	0.0000040
	August		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	September	**2040**	0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	October		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	November		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	December		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	January		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	February		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	March		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	April		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000045
	May		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	June	**2041**	0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	July		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.49	0.13	0.0000063
	August		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	September		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	October		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	November		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	December		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	January		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	February		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	March		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	April		0.041	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.28	0.070	0.0000035
	May		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June	**2042**	0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.29	0.073	0.0000037
	July		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00081	0.00017	0.030	0.000044	0.0089	0.29	0.074	0.0000037
	August		0.044	0.17	0.00050	0.000041	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	September		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	October		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.069	0.0000035
	November		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0083	0.27	0.069	0.0000034
	December		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.069	0.0000035
	January		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.069	0.0000035
Operations	**February**		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.069	0.0000035
	March		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000040	0.0082	0.27	0.069	0.0000035
	April		0.037	0.14	0.00042	0.000035	0.81	1.1	0.00018	0.00069	0.00015	0.026	0.000037	0.0076	0.25	0.063	0.0000032
	May		0.038	0.15	0.00044	0.000036	0.85	1.1	0.00019	0.00072	0.00015	0.027	0.000039	0.0079	0.26	0.066	0.0000033
	June	**2043**	0.041	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	July		0.045	0.17	0.00051	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	August		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000045	0.0091	0.30	0.075	0.0000038
	September		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	October		0.036	0.14	0.00041	0.000034	0.80	1.1	0.00018	0.00068	0.00014	0.026	0.000037	0.0076	0.25	0.063	0.0000032
	November		0.034	0.13	0.00039	0.000032	0.75	0.98	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	December		0.034	0.13	0.00039	0.000032	0.74	0.98	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	January		0.034	0.13	0.00039	0.000032	0.74	0.98	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	February		0.034	0.13	0.00039	0.000032	0.74	0.98	0.00017	0.00064	0.00013	0.024	0.000034	0.0070	0.23	0.058	0.0000029
	March		0.034	0.13	0.00038	0.000032	0.74	0.98	0.00017	0.00063	0.00013	0.024	0.000034	0.0069	0.23	0.058	0.0000029
	April		0.033	0.13	0.00038	0.000031	0.73	0.96	0.00017	0.00062	0.00013	0.023	0.000034	0.0068	0.22	0.057	0.0000029
	May		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.070	0.0000035
	June	**2044**	0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	July		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	August		0.071	0.27	0.00080	**0.000067**	1.6	2.1	0.00035	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000061
	September		0.085	0.32	0.00097	**0.000080**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000086	0.018	0.58	0.15	0.0000074
	October		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000089	0.018	0.59	0.15	0.0000076
	November		0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00035	0.063	0.000091	0.018	0.61	0.15	0.0000078
	December		0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00035	0.064	0.000091	0.018	0.61	0.15	0.0000078
	January		0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00036	0.064	0.000091	0.018	0.61	0.15	0.0000078
	February		0.090	0.34	0.0010	**0.000085**	2.0	2.6	0.00045	0.0017	0.00036	0.064	0.000091	0.018	0.61	0.15	0.0000078
	March		0.083	0.32	0.00095	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000072
	April		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	May	**2045**	0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	July		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.47	0.12	0.0000061
	August		0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.52	0.13	0.0000067
	September		0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.58	0.15	0.0000075

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	July	2040	0.000091	0.0011	0.046	0.0020	0.0055	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	August		0.00013	0.0016	0.065	0.0028	0.0082	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	September		0.00014	0.0017	0.069	0.0030	0.0090	0.0037	0.000070	0.74	0.016	2.7	0.0070	0.000071	0.00028	0.0046
	October		0.00013	0.0016	0.064	0.0028	0.0085	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	November		0.00013	0.0016	0.065	0.0028	0.0092	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	December		0.00013	0.0016	0.065	0.0028	0.0098	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	January	2041	0.00013	0.0016	0.065	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	February		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	March		0.00012	0.0015	0.062	0.0027	0.011	0.0034	0.000063	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	April		0.00010	0.0013	0.051	0.0022	0.0082	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	May		0.00011	0.0013	0.054	0.0023	0.0082	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	June		0.00013	0.0017	0.069	0.0030	0.010	0.0037	0.000070	0.74	0.016	2.7	0.0070	0.000070	0.00027	0.0046
	July		0.00014	0.0018	0.073	0.0032	0.010	0.0039	0.000074	0.78	0.017	2.8	0.0074	0.000074	0.00029	0.0049
	August		0.000097	0.0012	0.049	0.0021	0.0060	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	September		0.000092	0.0011	0.047	0.0020	0.0056	0.0025	0.000048	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	October		0.000096	0.0012	0.049	0.0021	0.0062	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000094	0.0012	0.048	0.0021	0.0064	0.0026	0.000048	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	December		0.000094	0.0012	0.048	0.0021	0.0070	0.0026	0.000048	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	January	2042	0.000094	0.0012	0.048	0.0021	0.0074	0.0026	0.000048	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	February		0.000094	0.0012	0.048	0.0021	0.0078	0.0026	0.000048	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	March		0.000092	0.0011	0.047	0.0020	0.0078	0.0025	0.000047	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	April		0.000080	0.00099	0.041	0.0018	0.0063	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	May		0.000081	0.0010	0.041	0.0018	0.0060	0.0022	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00017	0.0028
	June		0.000083	0.0010	0.042	0.0018	0.0056	0.0023	0.000043	0.45	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	July		0.000084	0.0010	0.043	0.0019	0.0050	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	August		0.000086	0.0011	0.044	0.0019	0.0049	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	September		0.000089	0.0011	0.045	0.0020	0.0051	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	October		0.000079	0.00099	0.040	0.0017	0.0045	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	November		0.000078	0.00097	0.040	0.0017	0.0049	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	December		0.000078	0.00097	0.040	0.0017	0.0054	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	January	2043	0.000078	0.00097	0.040	0.0017	0.0059	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	February		0.000078	0.00097	0.040	0.0017	0.0062	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	March		0.000078	0.00097	0.040	0.0017	0.0066	0.0022	0.000040	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	April		0.000072	0.00090	0.037	0.0016	0.0057	0.0020	0.000037	0.40	0.0088	1.4	0.0037	0.000038	0.00015	0.0025
	May		0.000075	0.00094	0.038	0.0017	0.0053	0.0021	0.000039	0.41	0.0092	1.5	0.0039	0.000039	0.00015	0.0026
	June		0.000080	0.00099	0.041	0.0018	0.0052	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	July		0.000089	0.0011	0.045	0.0020	0.0054	0.0024	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	August		0.000086	0.0011	0.044	0.0019	0.0049	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	September		0.000079	0.00098	0.040	0.0017	0.0043	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	October		0.000071	0.00089	0.036	0.0016	0.0039	0.0020	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	November		0.000067	0.00083	0.034	0.0015	0.0039	0.0018	0.000034	0.37	0.0081	1.3	0.0034	0.000035	0.00014	0.0023
	December		0.000066	0.00083	0.034	0.0015	0.0043	0.0018	0.000034	0.36	0.0081	1.3	0.0034	0.000035	0.00014	0.0023
	January	2044	0.000066	0.00083	0.034	0.0015	0.0047	0.0018	0.000034	0.36	0.0081	1.3	0.0034	0.000035	0.00014	0.0023
	February		0.000066	0.00083	0.034	0.0015	0.0051	0.0018	0.000034	0.36	0.0081	1.3	0.0034	0.000035	0.00014	0.0023
	March		0.000066	0.00082	0.034	0.0015	0.0053	0.0018	0.000034	0.36	0.0080	1.3	0.0034	0.000034	0.00013	0.0023
	April		0.000065	0.00081	0.033	0.0014	0.0046	0.0018	0.000034	0.36	0.0079	1.3	0.0034	0.000034	0.00013	0.0022
	May		0.000079	0.00099	0.040	0.0018	0.0055	0.0022	0.000041	0.44	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	June		0.000099	0.0012	0.051	0.0022	0.0069	0.0027	0.000051	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	July		0.00010	0.0013	0.053	0.0023	0.0068	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	August		0.00014	0.0017	0.071	0.0031	0.0092	0.0038	0.000072	0.76	0.017	2.8	0.0072	0.000072	0.00028	0.0047
	September		0.00017	0.0021	0.085	0.0037	0.011	0.0046	0.000086	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	October		0.00017	0.0021	0.087	0.0038	0.012	0.0047	0.000089	0.94	0.021	3.4	0.0089	0.000089	0.00035	0.0058
	November		0.00018	0.0022	0.089	0.0039	0.013	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	December		0.00018	0.0022	0.090	0.0039	0.014	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	January	2045	0.00018	0.0022	0.090	0.0039	0.015	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	February		0.00018	0.0022	0.090	0.0039	0.015	0.0049	0.000091	0.97	0.021	3.5	0.0091	0.000092	0.00036	0.0060
	March		0.00016	0.0020	0.083	0.0036	0.015	0.0045	0.000085	0.90	0.020	3.3	0.0085	0.000085	0.00033	0.0056
	April		0.00013	0.0017	0.068	0.0030	0.011	0.0037	0.000069	0.73	0.016	2.7	0.0069	0.000070	0.00027	0.0046
	May		0.00013	0.0016	0.065	0.0028	0.010	0.0035	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00013	0.0016	0.067	0.0029	0.010	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	July		0.00014	0.0017	0.070	0.0030	0.010	0.0038	0.000071	0.75	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	August		0.00015	0.0019	0.077	0.0034	0.011	0.0042	0.000079	0.83	0.018	3.0	0.0079	0.000079	0.00031	0.0052
	September		0.00017	0.0021	0.086	0.0037	0.012	0.0047	0.000088	0.93	0.021	3.4	0.0088	0.000088	0.00034	0.0058

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	October	2045	0.086	0.33	0.00098	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000087	0.018	0.58	0.15	0.0000075
	November		0.083	0.32	0.00095	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000072
	December		0.082	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0015	0.00033	0.058	0.000084	0.017	0.56	0.14	0.0000071
	January	2046	0.080	0.30	0.00091	**0.000075**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	February		0.080	0.30	0.00091	**0.000075**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000081	0.016	0.54	0.14	0.0000069
	March		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	April		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	May		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	June		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	July		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	August		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000050
	September		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	October		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	November		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	December		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	January	2047	0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	February		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	March		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	April		0.042	0.16	0.00047	0.000039	0.92	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.072	0.0000036
	May		0.042	0.16	0.00048	0.000039	0.92	1.2	0.00021	0.00078	0.00016	0.030	0.000042	0.0086	0.28	0.072	0.0000036
	June		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	July		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.093	0.0000047
	August		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	September		0.057	0.21	0.00065	**0.000054**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.38	0.098	0.0000049
	October		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	November		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	January	2048	0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.040	0.000058	0.012	0.39	0.098	0.0000049
	February		0.057	0.21	0.00065	**0.000054**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.39	0.098	0.0000049
	March		0.057	0.21	0.00065	**0.000054**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.38	0.098	0.0000049
	April		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	May		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	June		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	July		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	August		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	September		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0095	0.31	0.079	0.0000040
	October		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	November		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	December		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00081	0.00017	0.030	0.000044	0.0088	0.29	0.074	0.0000037
	January	2049	0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	February		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00076	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	March		0.039	0.15	0.00044	0.000037	0.85	1.1	0.00019	0.00073	0.00015	0.028	0.000039	0.0080	0.26	0.067	0.0000034
	April		0.037	0.14	0.00042	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.026	0.000038	0.0076	0.25	0.064	0.0000032
	May		0.041	0.15	0.00047	0.000039	0.90	1.2	0.00021	0.00077	0.00016	0.029	0.000042	0.0084	0.28	0.070	0.0000035
	June		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0091	0.30	0.075	0.0000038
	August		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0096	0.31	0.080	0.0000040
	September		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00083	0.00018	0.031	0.000045	0.0092	0.30	0.076	0.0000038
	October		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	November		0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.25	0.062	0.0000031
	December		0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.24	0.062	0.0000031
	January	2050	0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.24	0.062	0.0000031
	February		0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00068	0.00014	0.026	0.000037	0.0074	0.24	0.062	0.0000031
	March		0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00067	0.00014	0.025	0.000036	0.0074	0.24	0.061	0.0000031
	April		0.033	0.12	0.00037	0.000031	0.72	0.95	0.00016	0.00062	0.00013	0.023	0.000033	0.0068	0.22	0.056	0.0000028
	May		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00014	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	June		0.037	0.14	0.00043	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.027	0.000038	0.0077	0.25	0.064	0.0000032
	July		0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	August		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.44	0.11	0.0000056
	September		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.42	0.11	0.0000053
	October		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000061	0.012	0.41	0.10	0.0000052
	November		0.057	0.22	0.00065	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000058	0.012	0.39	0.098	0.0000050
	December		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	October	2045	0.00017	0.0021	0.086	0.0037	0.013	0.0047	0.000087	0.93	0.021	3.4	0.0088	0.000088	0.00034	0.0058
	November		0.00016	0.0020	0.083	0.0036	0.013	0.0045	0.000085	0.90	0.020	3.3	0.0085	0.000085	0.00033	0.0056
	December		0.00016	0.0020	0.082	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000084	0.00033	0.0055
	January	2046	0.00016	0.0020	0.080	0.0035	0.013	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000082	0.00032	0.0053
	February		0.00016	0.0020	0.080	0.0035	0.014	0.0043	0.000081	0.86	0.019	3.1	0.0081	0.000082	0.00032	0.0053
	March		0.00014	0.0018	0.073	0.0032	0.013	0.0040	0.000074	0.79	0.017	2.8	0.0074	0.000075	0.00029	0.0049
	April		0.00012	0.0015	0.063	0.0027	0.011	0.0034	0.000064	0.68	0.015	2.5	0.0064	0.000065	0.00025	0.0042
	May		0.00012	0.0016	0.063	0.0028	0.010	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	June		0.00012	0.0016	0.063	0.0028	0.0100	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	July		0.00012	0.0015	0.061	0.0026	0.0087	0.0033	0.000062	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	August		0.00011	0.0014	0.058	0.0025	0.0078	0.0032	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	September		0.00010	0.0013	0.053	0.0023	0.0069	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	October		0.000096	0.0012	0.049	0.0021	0.0064	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000092	0.0011	0.047	0.0020	0.0064	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	December		0.000092	0.0011	0.047	0.0020	0.0068	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	January	2047	0.000092	0.0011	0.047	0.0020	0.0073	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	February		0.000092	0.0011	0.047	0.0020	0.0077	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	March		0.000090	0.0011	0.046	0.0020	0.0076	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	April		0.000082	0.0010	0.042	0.0018	0.0066	0.0023	0.000042	0.45	0.0099	1.6	0.0042	0.000043	0.00017	0.0028
	May		0.000082	0.0010	0.042	0.0018	0.0060	0.0023	0.000042	0.45	0.0099	1.6	0.0042	0.000043	0.00017	0.0028
	June		0.00010	0.0013	0.051	0.0022	0.0072	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00021	0.0034
	July		0.00011	0.0013	0.054	0.0023	0.0069	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	August		0.00010	0.0013	0.053	0.0023	0.0065	0.0029	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	September		0.00011	0.0014	0.057	0.0025	0.0070	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	October		0.00012	0.0015	0.060	0.0026	0.0078	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	November		0.00011	0.0014	0.058	0.0025	0.0081	0.0032	0.000059	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
	December		0.00011	0.0014	0.058	0.0025	0.0086	0.0031	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	January	2048	0.00011	0.0014	0.057	0.0025	0.0090	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	February		0.00011	0.0014	0.057	0.0025	0.0093	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	March		0.00011	0.0014	0.057	0.0025	0.0097	0.0031	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	April		0.00010	0.0013	0.053	0.0023	0.0090	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	May		0.00010	0.0013	0.053	0.0023	0.0087	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	June		0.00013	0.0016	0.065	0.0028	0.011	0.0035	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	July		0.00011	0.0014	0.058	0.0025	0.0082	0.0031	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	August		0.000093	0.0012	0.047	0.0021	0.0059	0.0026	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	September		0.000090	0.0011	0.046	0.0020	0.0054	0.0025	0.000046	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	October		0.000086	0.0011	0.044	0.0019	0.0055	0.0024	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	November		0.000086	0.0011	0.044	0.0019	0.0059	0.0024	0.000044	0.47	0.010	1.7	0.0045	0.000045	0.00017	0.0029
	December		0.000084	0.0010	0.043	0.0019	0.0062	0.0023	0.000044	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	January	2049	0.000080	0.00100	0.041	0.0018	0.0060	0.0022	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	February		0.000079	0.00098	0.040	0.0017	0.0063	0.0022	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	March		0.000076	0.00095	0.039	0.0017	0.0061	0.0021	0.000039	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	April		0.000073	0.00091	0.037	0.0016	0.0056	0.0020	0.000038	0.40	0.0089	1.4	0.0038	0.000038	0.00015	0.0025
	May		0.000080	0.0010	0.041	0.0018	0.0059	0.0022	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00016	0.0027
	June		0.000087	0.0011	0.044	0.0019	0.0060	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	July		0.000086	0.0011	0.044	0.0019	0.0052	0.0024	0.000044	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	August		0.000091	0.0011	0.046	0.0020	0.0053	0.0025	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00019	0.0031
	September		0.000087	0.0011	0.044	0.0019	0.0049	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	October		0.000078	0.00097	0.040	0.0017	0.0044	0.0022	0.000041	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	November		0.000071	0.00088	0.036	0.0016	0.0042	0.0020	0.000037	0.39	0.0086	1.4	0.0037	0.000037	0.00014	0.0024
	December		0.000071	0.00088	0.036	0.0016	0.0047	0.0020	0.000037	0.39	0.0086	1.4	0.0037	0.000037	0.00014	0.0024
	January	2050	0.000071	0.00088	0.036	0.0016	0.0051	0.0020	0.000037	0.39	0.0086	1.4	0.0037	0.000037	0.00014	0.0024
	February		0.000071	0.00088	0.036	0.0016	0.0055	0.0020	0.000037	0.39	0.0086	1.4	0.0037	0.000037	0.00014	0.0024
	March		0.000070	0.00087	0.036	0.0015	0.0057	0.0019	0.000036	0.39	0.0085	1.4	0.0036	0.000037	0.00014	0.0024
	April		0.000064	0.00080	0.033	0.0014	0.0046	0.0018	0.000033	0.35	0.0078	1.3	0.0033	0.000034	0.00013	0.0022
	May		0.000067	0.00084	0.034	0.0015	0.0047	0.0019	0.000035	0.37	0.0082	1.3	0.0035	0.000035	0.00014	0.0023
	June		0.000074	0.00092	0.037	0.0016	0.0048	0.0020	0.000038	0.40	0.0089	1.5	0.0038	0.000038	0.00015	0.0025
	July		0.00010	0.0013	0.053	0.0023	0.0070	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	August		0.00013	0.0016	0.064	0.0028	0.0084	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	September		0.00012	0.0015	0.061	0.0027	0.0080	0.0033	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00025	0.0041
	October		0.00012	0.0015	0.060	0.0026	0.0081	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000062	0.00024	0.0040
	November		0.00011	0.0014	0.057	0.0025	0.0081	0.0031	0.000058	0.62	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	December		0.00011	0.0014	0.056	0.0024	0.0085	0.0031	0.000057	0.61	0.013	2.2	0.0057	0.000058	0.00023	0.0038

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2051	0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	February		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	March		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	April		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00074	0.00015	0.028	0.000040	0.0081	0.27	0.067	0.0000034
	May		0.039	0.15	0.00045	0.000037	0.87	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0082	0.27	0.068	0.0000034
	June		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	July		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	August		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	September		0.047	0.18	0.00054	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0098	0.32	0.081	0.0000041
	October		0.045	0.17	0.00052	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	November		0.045	0.17	0.00051	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	December		0.044	0.16	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	January	2052	0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.29	0.075	0.0000038
	February		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0089	0.29	0.075	0.0000038
	March		0.043	0.16	0.00049	0.000041	0.95	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0089	0.29	0.075	0.0000038
	April		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0081	0.27	0.068	0.0000034
	May		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	July		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	August		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	September		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	October		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	November		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	December		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
		MINIMUM	0.033	0.12	0.00037	0.000031	0.72	0.95	0.00016	0.00062	0.00013	0.023	0.000033	0.0068	0.22	0.056	0.0000028
		MAXIMUM	0.092	0.35	0.0011	**0.000087**	2.4	3.0	0.00047	0.0017	0.00039	0.077	0.000094	0.020	0.74	0.16	0.0000091
		AVERAGE	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.042	0.000059	0.012	0.40	0.100	0.0000051
Decommissioning	January	2053	0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	February		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	March		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	April		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	May		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	June		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00034	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.12	0.0000058
	July		0.083	0.31	0.00095	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	August		0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.060	0.000085	0.017	0.57	0.14	0.0000073
	September		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	October		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	November		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.089	0.0000045
	December		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000045
	January	2054	0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000045
	February		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000045
	March		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	April		0.045	0.17	0.00051	0.000043	0.99	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0092	0.31	0.078	0.0000039
	May		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	June		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	July		0.073	0.28	0.00084	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	August		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	October		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	November		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000062	0.013	0.41	0.10	0.0000053
	December		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	January	2055	0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	February		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	March		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	April		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	May		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	June		0.048	0.18	0.00055	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.33	0.083	0.0000042
	July		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.073	0.0000037
	August		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	September		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	October		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	November		0.050	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	December		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	January	2051	0.00011	0.0014	0.056	0.0024	0.0090	0.0031	0.000057	0.61	0.013	2.2	0.0057	0.000058	0.00023	0.0038
	February		0.00011	0.0014	0.056	0.0024	0.0094	0.0031	0.000057	0.61	0.013	2.2	0.0057	0.000058	0.00023	0.0038
	March		0.00011	0.0013	0.054	0.0024	0.0092	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	April		0.000077	0.00096	0.039	0.0017	0.0053	0.0021	0.000040	0.42	0.0093	1.5	0.0040	0.000040	0.00016	0.0026
	May		0.000077	0.00097	0.039	0.0017	0.0050	0.0021	0.000040	0.43	0.0094	1.5	0.0040	0.000040	0.00016	0.0026
	June		0.000092	0.0012	0.047	0.0020	0.0060	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	July		0.000100	0.0012	0.051	0.0022	0.0062	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	August		0.000092	0.0011	0.047	0.0020	0.0054	0.0025	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	September		0.000092	0.0012	0.047	0.0020	0.0054	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	October		0.000089	0.0011	0.045	0.0020	0.0054	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	November		0.000089	0.0011	0.045	0.0020	0.0058	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	December		0.000086	0.0011	0.044	0.0019	0.0060	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	January	2052	0.000085	0.0011	0.043	0.0019	0.0064	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	February		0.000085	0.0011	0.043	0.0019	0.0068	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	March		0.000085	0.0011	0.043	0.0019	0.0071	0.0024	0.000044	0.47	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	April		0.000077	0.00096	0.039	0.0017	0.0058	0.0021	0.000040	0.42	0.0094	1.5	0.0040	0.000040	0.00016	0.0026
	May		0.000081	0.0010	0.041	0.0018	0.0056	0.0022	0.000042	0.45	0.0098	1.6	0.0042	0.000042	0.00017	0.0028
	June		0.000096	0.0012	0.049	0.0021	0.0065	0.0026	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00019	0.0033
	July		0.000099	0.0012	0.050	0.0022	0.0062	0.0027	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	August		0.00010	0.0013	0.052	0.0023	0.0062	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	September		0.00012	0.0015	0.060	0.0026	0.0075	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	October		0.00012	0.0015	0.062	0.0027	0.0082	0.0034	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	November		0.00012	0.0015	0.062	0.0027	0.0089	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	December		0.00012	0.0015	0.062	0.0027	0.0095	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
		MINIMUM	0.000064	0.00080	0.033	0.0014	0.0039	0.0018	0.000033	0.35	0.0078	1.3	0.0033	0.000034	0.00013	0.0022
		MAXIMUM	0.00029	0.0023	0.097	0.0055	0.016	0.010	0.00010	1.1	0.025	3.8	0.010	0.0029	0.00039	0.0062
		AVERAGE	0.00012	0.0014	0.058	0.0026	0.0087	0.0034	0.000060	0.63	0.014	2.3	0.0060	0.00017	0.00023	0.0039
	January	2053	0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
Decommissioning	February		0.00012	0.0015	0.062	0.0027	0.010	0.0034	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	March		0.00012	0.0015	0.060	0.0026	0.010	0.0032	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	April		0.000093	0.0012	0.047	0.0021	0.0073	0.0026	0.000048	0.51	0.011	1.8	0.0048	0.000049	0.00019	0.0032
	May		0.000098	0.0012	0.050	0.0022	0.0073	0.0027	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	June		0.00013	0.0016	0.067	0.0029	0.0100	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	July		0.00016	0.0020	0.083	0.0036	0.012	0.0045	0.000084	0.90	0.020	3.2	0.0085	0.000085	0.00033	0.0056
	August		0.00016	0.0021	0.084	0.0036	0.012	0.0046	0.000085	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0056
	September		0.00012	0.0015	0.061	0.0026	0.0081	0.0033	0.000062	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	October		0.00011	0.0013	0.054	0.0023	0.0072	0.0029	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	November		0.00010	0.0013	0.051	0.0022	0.0071	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	December		0.00010	0.0013	0.051	0.0022	0.0077	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	January	2054	0.00010	0.0013	0.051	0.0022	0.0081	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	February		0.00010	0.0013	0.051	0.0022	0.0085	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	March		0.000099	0.0012	0.051	0.0022	0.0086	0.0027	0.000051	0.55	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	April		0.000088	0.0011	0.045	0.0020	0.0073	0.0024	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	May		0.000087	0.0011	0.044	0.0019	0.0065	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	June		0.00012	0.0015	0.060	0.0026	0.0088	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	July		0.00014	0.0018	0.073	0.0032	0.010	0.0040	0.000075	0.79	0.018	2.9	0.0075	0.000075	0.00029	0.0049
	August		0.00013	0.0016	0.064	0.0028	0.0084	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	September		0.00013	0.0016	0.064	0.0028	0.0085	0.0035	0.000065	0.69	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	October		0.00013	0.0016	0.065	0.0028	0.0089	0.0035	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	November		0.00012	0.0015	0.061	0.0026	0.0086	0.0033	0.000062	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	December		0.00012	0.0015	0.060	0.0026	0.0091	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	January	2055	0.00012	0.0015	0.060	0.0026	0.0096	0.0033	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	February		0.00012	0.0015	0.060	0.0026	0.010	0.0032	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	March		0.00012	0.0015	0.060	0.0026	0.010	0.0032	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	April		0.000096	0.0012	0.049	0.0021	0.0078	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	May		0.000089	0.0011	0.045	0.0020	0.0066	0.0025	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	June		0.000094	0.0012	0.048	0.0021	0.0067	0.0026	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	July		0.000083	0.0010	0.042	0.0018	0.0049	0.0023	0.000043	0.46	0.010	1.7	0.0043	0.000043	0.00017	0.0028
	August		0.000096	0.0012	0.049	0.0021	0.0057	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	September		0.00010	0.0013	0.053	0.0023	0.0063	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	October		0.00010	0.0013	0.052	0.0022	0.0065	0.0028	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	November		0.000097	0.0012	0.050	0.0021	0.0066	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	December		0.000097	0.0012	0.049	0.0021	0.0072	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	February		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	March		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00018	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	April		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	May		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	June		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	July		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	August		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	October		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	November		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	December		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	January	**2057**	0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	February		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	March		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	April		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	May		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	June		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00034	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.12	0.0000058
	July		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	August		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.074	0.28	0.00085	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.053	0.000075	0.015	0.50	0.13	0.0000064
	October		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.56	0.14	0.0000071
	November		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
	December		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00041	0.0016	0.00033	0.059	0.000084	0.017	0.56	0.14	0.0000072
		MINIMUM	0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.073	0.0000037
		MAXIMUM	0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.060	0.000085	0.017	0.57	0.14	0.0000073
		AVERAGE	0.058	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-14: Scenario 13: Low Treatment Efficiency - West Surface Runoff Discharge

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.000097	0.0012	0.049	0.0021	0.0076	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	February		0.000097	0.0012	0.049	0.0021	0.0081	0.0027	0.000050	0.53	0.012	1.9	0.0050	0.000051	0.00020	0.0033
	March		0.000087	0.0011	0.044	0.0019	0.0069	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	April		0.000087	0.0011	0.044	0.0019	0.0068	0.0024	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	May		0.000099	0.0012	0.050	0.0022	0.0076	0.0027	0.000051	0.55	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	June		0.00012	0.0015	0.059	0.0026	0.0088	0.0032	0.000060	0.64	0.014	2.3	0.0060	0.000061	0.00024	0.0040
	July		0.00013	0.0016	0.064	0.0028	0.0088	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00025	0.0043
	August		0.00013	0.0016	0.064	0.0028	0.0085	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	September		0.00010	0.0012	0.051	0.0022	0.0063	0.0028	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	October		0.00010	0.0013	0.053	0.0023	0.0068	0.0029	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	November		0.00011	0.0013	0.055	0.0024	0.0076	0.0030	0.000055	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	December		0.00011	0.0013	0.055	0.0024	0.0082	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	January	**2057**	0.00011	0.0013	0.055	0.0024	0.0087	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	February		0.00011	0.0013	0.055	0.0024	0.0091	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	March		0.00011	0.0013	0.055	0.0024	0.0095	0.0030	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	April		0.000090	0.0011	0.046	0.0020	0.0073	0.0025	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	May		0.00011	0.0013	0.053	0.0023	0.0085	0.0029	0.000054	0.58	0.013	2.1	0.0055	0.000055	0.00021	0.0036
	June		0.00013	0.0016	0.067	0.0029	0.011	0.0036	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	July		0.00013	0.0016	0.064	0.0028	0.0093	0.0035	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	August		0.00012	0.0016	0.063	0.0028	0.0087	0.0034	0.000065	0.68	0.015	2.5	0.0065	0.000065	0.00025	0.0042
	September		0.00015	0.0018	0.074	0.0032	0.010	0.0040	0.000075	0.80	0.018	2.9	0.0076	0.000076	0.00030	0.0050
	October		0.00016	0.0020	0.082	0.0036	0.012	0.0044	0.000083	0.88	0.020	3.2	0.0083	0.000084	0.00033	0.0055
	November		0.00016	0.0020	0.083	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
	December		0.00016	0.0020	0.083	0.0036	0.013	0.0045	0.000084	0.89	0.020	3.2	0.0084	0.000085	0.00033	0.0055
		MINIMUM	0.000083	0.0010	0.042	0.0018	0.0049	0.0023	0.000043	0.46	0.010	1.7	0.0043	0.000043	0.00017	0.0028
		MAXIMUM	0.00016	0.0021	0.084	0.0036	0.013	0.0046	0.000085	0.91	0.020	3.3	0.0086	0.000086	0.00034	0.0056
		AVERAGE	0.00011	0.0014	0.058	0.0025	0.0085	0.0031	0.000059	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0039

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	**January**	**2025**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2026**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2027**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2028**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	**January**	**2029**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2026**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2027**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2028**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**January**	**2029**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2030	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2031	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2032	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2033	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2034	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January	**2030**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2031**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2032**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**August**		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2033**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2034**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2035**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2036	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2037	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2038	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2039	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2040	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2036	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2037	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2038	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2039	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2040	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October	**2040**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2041**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2042**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	**February**		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2043**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2044**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May	**2045**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July	**2040**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2041**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2042**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**January**	**2043**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2044**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2045**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	October	2045	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2046	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2047	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2048	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2049	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2050	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October	2045	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2046	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2047	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2048	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2049	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	2050	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2052**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Decommissioning	**January**	**2053**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2054**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2055**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2052**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Decommissioning	**January**	**2053**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2054**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2055**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2057**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0067	0.025	0.000076	0.0000064	0.12	0.19	0.000032	0.00013	0.000026	0.0040	0.0000064	0.0013	0.034	0.011	0.00000057
	April		0.023	0.085	0.00026	0.000021	0.51	0.66	0.00011	0.00042	0.000089	0.016	0.000023	0.0048	0.16	0.039	0.0000020
	May		0.036	0.14	0.00041	0.000034	0.62	1.0	0.00017	0.00068	0.00014	0.021	0.000035	0.0070	0.18	0.062	0.0000031
	June		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.049	0.0000083	0.000033	0.0000066	0.0010	0.0000017	0.00033	0.0089	0.0030	0.00000015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000033	0.00013	0.000027	0.0041	0.0000067	0.0013	0.035	0.012	0.00000059
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00074	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000033
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	April		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000013	0.0021	0.0000033	0.00067	0.018	0.0059	0.0000003
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2057**	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.0043	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000013	0.00017	0.0059	0.00022	0.00032	0.00033	0.0000064	0.060	0.0013	0.25	0.00064	0.0000065	0.000026	0.00045
	April		0.000044	0.00055	0.023	0.0010	0.0012	0.0012	0.000023	0.25	0.0055	0.88	0.0023	0.000023	0.000091	0.0015
	May		0.000069	0.00089	0.032	0.0012	0.0017	0.0018	0.000035	0.32	0.0072	1.3	0.0035	0.000035	0.00014	0.0024
	June		0.000089	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.7	0.0045	0.000045	0.00018	0.0031
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	September		0.000056	0.00073	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0059	1.1	0.0028	0.000028	0.00011	0.0020
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	November		0.0000033	0.000043	0.0015	0.000058	0.000084	0.000084	0.0000017	0.016	0.00034	0.065	0.00017	0.0000017	0.0000066	0.00012
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000013	0.00017	0.0061	0.00023	0.00034	0.00034	0.0000067	0.062	0.0014	0.26	0.00067	0.0000067	0.000027	0.00046
	May		0.000075	0.00096	0.034	0.0013	0.0019	0.0019	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	April		0.000040	0.00051	0.018	0.00069	0.0010	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000080	0.0014
	May		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000075	0.00097	0.035	0.0013	0.0019	0.0019	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	August		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	September		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	November		0.0000066	0.000085	0.0031	0.00012	0.00017	0.00017	0.0000033	0.031	0.00069	0.13	0.00033	0.0000033	0.000013	0.00023
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**January**	**2061**	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	April		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.023	0.087	0.00026	0.000022	0.39	0.65	0.00011	0.00043	0.000088	0.014	0.000022	0.0044	0.12	0.039	0.0000020
	June		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	July		0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2062**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.0087	0.033	0.000099	0.0000082	0.15	0.25	0.000042	0.00016	0.000033	0.0052	0.0000083	0.0017	0.044	0.015	0.00000074
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	November		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2063**	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	February		0.0037	0.014	0.000042	0.0000035	0.064	0.11	0.000018	0.000070	0.000014	0.0022	0.0000036	0.00072	0.019	0.0063	0.00000032
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.016	0.060	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.0094	0.000015	0.0031	0.081	0.027	0.0000014
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2064**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000080	0.00032	0.000064	0.0100	0.000016	0.0032	0.086	0.029	0.0000014
	June		0.026	0.099	0.00030	0.000025	0.45	0.74	0.00012	0.00049	0.000099	0.015	0.000025	0.0050	0.13	0.044	0.0000022
	July		0.021	0.080	0.00024	0.000020	0.36	0.60	0.00010	0.00040	0.000081	0.013	0.000020	0.0041	0.11	0.036	0.0000018
	August		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.015	0.057	0.00017	0.000014	0.26	0.43	0.000072	0.00029	0.000058	0.0090	0.000015	0.0029	0.077	0.026	0.0000013
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2065**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000094	0.17	0.28	0.000048	0.00019	0.000038	0.0059	0.0000096	0.0019	0.051	0.017	0.00000085
	April		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	May		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00024	0.00095	0.00019	0.030	0.000048	0.0097	0.26	0.086	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	November		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	January	**2066**	0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	February		0.015	0.056	0.00017	0.000014	0.26	0.42	0.000071	0.00028	0.000057	0.0088	0.000014	0.0029	0.076	0.025	0.0000013
	March		0.022	0.083	0.00025	0.000021	0.37	0.62	0.00010	0.00041	0.000083	0.013	0.000021	0.0042	0.11	0.037	0.0000019

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	April		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000044	0.00056	0.020	0.00076	0.0011	0.0011	0.000022	0.20	0.0045	0.86	0.0022	0.000022	0.000088	0.0015
	June	**2061**	0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	July		0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000067	0.00087	0.031	0.0012	0.0017	0.0017	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00013	0.0023
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.00025	0.0000050	0.047	0.0010	0.19	0.00050	0.0000050	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.00041	0.0000081	0.075	0.0017	0.31	0.00081	0.0000081	0.000032	0.00056
	April		0.000017	0.00021	0.0076	0.00029	0.00042	0.00042	0.0000083	0.078	0.0017	0.32	0.00083	0.0000083	0.000033	0.00058
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	June	**2062**	0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.0020	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	November		0.000030	0.00038	0.014	0.00052	0.00076	0.00076	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000060	0.0010
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	February		0.0000071	0.000091	0.0033	0.00012	0.00018	0.00018	0.0000036	0.033	0.00074	0.14	0.00036	0.0000036	0.000014	0.00025
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.00041	0.0000081	0.075	0.0017	0.31	0.00081	0.0000081	0.000032	0.00056
	April		0.000030	0.00039	0.014	0.00053	0.00077	0.00077	0.000015	0.14	0.0031	0.59	0.0015	0.000015	0.000061	0.0011
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	June	**2063**	0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
Reclamation	**August**		0.000074	0.00096	0.034	0.0013	0.0019	0.0019	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.0018	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	April		0.000030	0.00038	0.014	0.00052	0.00076	0.00076	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000060	0.0010
	May		0.000032	0.00041	0.015	0.00056	0.00081	0.00082	0.000016	0.15	0.0033	0.63	0.0016	0.000016	0.000064	0.0011
	June	**2064**	0.000050	0.00064	0.023	0.00086	0.0013	0.0013	0.000025	0.23	0.0052	0.97	0.0025	0.000025	0.000100	0.0017
	July		0.000040	0.00052	0.019	0.00070	0.0010	0.0010	0.000020	0.19	0.0042	0.79	0.0020	0.000020	0.000081	0.0014
	August		0.000077	0.00099	0.036	0.0013	0.0019	0.0020	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0025
	October		0.000029	0.00037	0.013	0.00050	0.00073	0.00073	0.000015	0.14	0.0030	0.56	0.0015	0.000015	0.000058	0.0010
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.0088	0.00033	0.00048	0.00048	0.0000096	0.089	0.0020	0.37	0.00096	0.0000096	0.000038	0.00066
	April		0.000056	0.00073	0.026	0.00098	0.0014	0.0014	0.000028	0.26	0.0059	1.1	0.0028	0.000028	0.00011	0.0020
	May		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	June	**2065**	0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July		0.000083	0.0011	0.038	0.0014	0.0021	0.0021	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	August		0.000096	0.0012	0.044	0.0017	0.0024	0.0024	0.000048	0.45	0.0100	1.9	0.0048	0.000048	0.00019	0.0033
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.0019	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0025
	October		0.000064	0.00083	0.030	0.0011	0.0016	0.0016	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	November		0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	January		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	February	**2066**	0.000028	0.00037	0.013	0.00049	0.00072	0.00072	0.000014	0.13	0.0029	0.55	0.0014	0.000014	0.000057	0.00099
	March		0.000042	0.00054	0.019	0.00072	0.0011	0.0011	0.000021	0.20	0.0043	0.81	0.0021	0.000021	0.000084	0.0014

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.86	0.00014	0.00057	0.00012	0.018	0.000029	0.0058	0.15	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.69	0.00012	0.00046	0.000093	0.014	0.000023	0.0047	0.12	0.041	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.028	0.11	0.00032	0.000026	0.48	0.79	0.00013	0.00053	0.00011	0.016	0.000027	0.0054	0.14	0.047	0.0000024
	May		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	June		0.033	0.12	0.00037	0.000031	0.57	0.94	0.00016	0.00062	0.00013	0.020	0.000032	0.0064	0.17	0.056	0.0000028
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.028	0.000045	0.0091	0.24	0.080	0.0000040
	September		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	November		0.0048	0.018	0.000054	0.0000045	0.082	0.14	0.000023	0.000090	0.000018	0.0028	0.0000046	0.00092	0.024	0.0081	0.00000041
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.001684	0.006358	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
		MAXIMUM	0.05220	0.19710	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
		AVERAGE	0.02747	0.10371	0.00031	0.000026	0.47	0.78	0.00013	0.00052	0.00010	0.016	0.000026	0.0053	0.14	0.047	0.0000023

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-15: Scenario 13: Low Treatment Efficiency - East Freshwater Diversion

Time Period	Month	Year	Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
			mg/L	mg/L	mg/L as N	mg/L	Bq/L	Bq/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.000060	0.00077	0.028	0.0010	0.0015	0.0015	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000058	0.00074	0.027	0.0010	0.0015	0.0015	0.000029	0.27	0.0060	1.1	0.0029	0.000029	0.00012	0.0020
	June		0.000040	0.00051	0.018	0.00069	0.0010	0.0010	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000080	0.0014
	July		0.000045	0.00058	0.021	0.00078	0.0011	0.0011	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	August		0.000051	0.00066	0.024	0.00089	0.0013	0.0013	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	September		0.000046	0.00060	0.021	0.00081	0.0012	0.0012	0.000023	0.22	0.0048	0.91	0.0023	0.000023	0.000093	0.0016
	October		0.000022	0.00029	0.010	0.00039	0.00057	0.00057	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.00025	0.0000050	0.047	0.0010	0.19	0.00050	0.0000050	0.000020	0.00035
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.00016	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	April		0.000053	0.00068	0.024	0.00092	0.0013	0.0013	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018
	May		0.000054	0.00070	0.025	0.00095	0.0014	0.0014	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	June		0.000063	0.00081	0.029	0.0011	0.0016	0.0016	0.000032	0.29	0.0065	1.2	0.0032	0.000032	0.00013	0.0022
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.0022	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
	August		0.000090	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.8	0.0045	0.000045	0.00018	0.0031
	September		0.000089	0.0012	0.041	0.0016	0.0023	0.0023	0.000045	0.42	0.0093	1.7	0.0045	0.000045	0.00018	0.0031
	October		0.000076	0.00098	0.035	0.0013	0.0019	0.0019	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0027
	November		0.0000091	0.00012	0.0042	0.00016	0.00023	0.00023	0.0000046	0.043	0.00095	0.18	0.00046	0.0000046	0.000018	0.00032
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000041	0.0015	0.000056	0.000081	0.000082	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
		MAXIMUM	0.000099	0.0013	0.046	0.0017	0.0025	0.0025	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.000052	0.00067	0.024	0.00091	0.0013	0.0013	0.000026	0.25	0.0054	1.0	0.0026	0.000026	0.00010	0.0018

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0041	0.023	0.000097	0.0000051	3.5	0.57	0.00020	0.000055	0.00012	0.085	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0083	0.037	0.00014	0.0000088	3.0	0.61	0.00018	0.00014	0.00012	0.072	0.000043	0.011	1.0	0.026	0.0000016
	May		0.014	0.058	0.00019	0.000014	2.6	0.71	0.00019	0.00025	0.00013	0.064	0.000042	0.011	0.88	0.033	0.0000019
	June		0.021	0.086	0.00028	0.000021	2.9	0.95	0.00023	0.00039	0.00016	0.074	0.000053	0.013	1.0	0.047	0.0000026
	July		0.032	0.13	0.00040	0.000031	3.1	1.3	0.00029	0.00059	0.00020	0.080	0.000063	0.015	1.0	0.066	0.0000035
	August		0.042	0.16	0.00051	0.000040	3.3	1.5	0.00033	0.00077	0.00024	0.086	0.000072	0.017	1.1	0.081	0.0000043
	September		0.043	0.17	0.00052	0.000041	2.9	1.5	0.00032	0.00080	0.00023	0.076	0.000068	0.016	0.96	0.082	0.0000043
	October		0.042	0.16	0.00051	0.000041	2.5	1.4	0.00029	0.00079	0.00022	0.068	0.000063	0.014	0.84	0.079	0.0000042
	November		0.040	0.15	0.00048	0.000038	2.2	1.3	0.00027	0.00074	0.00020	0.060	0.000057	0.013	0.74	0.074	0.0000039
	December		0.039	0.15	0.00047	0.000038	2.2	1.3	0.00027	0.00073	0.00020	0.059	0.000056	0.013	0.72	0.073	0.0000038
	January	2026	0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	February		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.059	0.000056	0.013	0.71	0.073	0.0000038
	March		0.039	0.15	0.00047	0.000038	2.1	1.3	0.00026	0.00073	0.00020	0.058	0.000056	0.012	0.71	0.073	0.0000038
	April		0.037	0.14	0.00044	0.000035	1.8	1.2	0.00024	0.00069	0.00018	0.051	0.000051	0.011	0.61	0.068	0.0000035
	May		0.051	0.20	0.00060	0.000049	2.5	1.7	0.00033	0.00095	0.00025	0.069	0.000069	0.015	0.83	0.094	0.0000049
	June		0.055	0.21	0.00064	**0.000052**	2.6	1.8	0.00035	0.0010	0.00026	0.072	0.000073	0.016	0.86	0.10	0.0000052
	July		0.062	0.24	0.00073	**0.000059**	2.9	2.0	0.00039	0.0012	0.00029	0.080	0.000082	0.018	0.95	0.11	0.0000058
	August		0.054	0.21	0.00064	**0.000052**	2.5	1.7	0.00034	0.0010	0.00026	0.069	0.000071	0.016	0.81	0.099	0.0000051
	September		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.065	0.000067	0.015	0.76	0.093	0.0000048
	October		0.050	0.19	0.00059	0.000048	2.3	1.6	0.00031	0.00094	0.00023	0.063	0.000065	0.014	0.74	0.091	0.0000047
	November		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	December		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	January	2027	0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00096	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	February		0.051	0.20	0.00060	0.000049	2.3	1.6	0.00032	0.00095	0.00024	0.064	0.000067	0.015	0.75	0.093	0.0000048
	March		0.047	0.18	0.00055	0.000044	2.1	1.5	0.00029	0.00087	0.00022	0.058	0.000060	0.013	0.68	0.085	0.0000044
	April		0.038	0.15	0.00045	0.000037	1.7	1.2	0.00024	0.00072	0.00018	0.048	0.000050	0.011	0.56	0.070	0.0000036
	May		0.041	0.16	0.00048	0.000039	1.8	1.3	0.00025	0.00077	0.00019	0.051	0.000053	0.012	0.59	0.075	0.0000038
	June		0.049	0.19	0.00057	0.000046	2.1	1.6	0.00030	0.00091	0.00023	0.060	0.000063	0.014	0.70	0.088	0.0000045
	July		0.049	0.19	0.00057	0.000047	2.1	1.6	0.00030	0.00092	0.00023	0.060	0.000063	0.014	0.70	0.089	0.0000046
	August		0.056	0.21	0.00066	**0.000053**	2.4	1.8	0.00034	0.0010	0.00026	0.069	0.000072	0.016	0.80	0.10	0.0000052
	September		0.068	0.26	0.00080	**0.000065**	2.9	2.2	0.00042	0.0013	0.00031	0.083	0.000087	0.019	0.96	0.12	0.0000063
	October		0.071	0.27	0.00083	**0.000067**	3.1	2.3	0.00043	0.0013	0.00033	0.086	0.000091	0.020	1.0	0.13	0.0000066
	November		0.062	0.24	0.00072	**0.000059**	2.7	2.0	0.00038	0.0011	0.00028	0.075	0.000079	0.017	0.88	0.11	0.0000057
	December		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	January	2028	0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	February		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	March		0.061	0.23	0.00071	**0.000058**	2.6	1.9	0.00037	0.0011	0.00028	0.074	0.000078	0.017	0.86	0.11	0.0000057
	April		0.054	0.21	0.00080	**0.000058**	2.5	2.6	0.00037	0.0042	0.0070	0.10	0.000069	0.016	0.85	0.100	0.0000085
	May		0.047	0.18	0.00078	**0.000054**	2.1	2.7	0.00034	0.0052	0.0093	0.11	0.000058	0.013	0.71	0.087	0.0000090
	June		0.057	0.22	0.00092	**0.000064**	2.4	3.1	0.00039	0.0058	0.010	0.12	0.000069	0.016	0.82	0.10	0.000010
	July		0.065	0.25	0.00100	**0.000071**	2.5	3.3	0.00043	0.0057	0.0098	0.12	0.000077	0.017	0.85	0.12	0.000011
	August		0.067	0.25	0.00098	**0.000071**	2.4	3.1	0.00042	0.0051	0.0084	0.11	0.000077	0.017	0.80	0.12	0.000010
	September		0.071	0.27	0.0010	**0.000074**	2.4	3.2	0.00044	0.0050	0.0080	0.11	0.000080	0.018	0.81	0.13	0.000010
	October		0.078	0.30	0.0011	**0.000082**	2.7	3.4	0.00048	0.0053	0.0084	0.12	0.000088	0.019	0.88	0.14	0.000011
	November		0.078	0.30	0.0011	**0.000082**	2.6	3.4	0.00048	0.0052	0.0083	0.12	0.000088	0.019	0.87	0.14	0.000011
	December		0.078	0.30	0.0011	**0.000082**	2.6	3.4	0.00048	0.0052	0.0083	0.12	0.000088	0.019	0.87	0.14	0.000011
		MINIMUM	0.0038	0.022	0.000095	0.0000049	1.7	0.57	0.00018	0.000050	0.00012	0.048	0.000042	0.011	0.56	0.021	0.0000014
		MAXIMUM	0.078	0.30	0.0011	**0.000082**	3.6	3.4	0.00048	0.0058	0.010	0.12	0.000091	0.020	1.2	0.14	0.000011
		AVERAGE	0.048	0.18	0.00061	0.000047	2.5	1.8	0.00032	0.0016	0.0018	0.077	0.000067	0.015	0.84	0.089	0.0000054
Operations	January	2029	0.078	0.30	0.0011	**0.000082**	2.6	3.4	0.00048	0.0052	0.0083	0.12	0.000088	0.019	0.87	0.14	0.000011
	February		0.078	0.30	0.0011	**0.000082**	2.6	3.4	0.00048	0.0052	0.0083	0.12	0.000088	0.019	0.87	0.14	0.000011
	March		0.077	0.29	0.0011	**0.000080**	2.6	3.3	0.00047	0.0051	0.0080	0.11	0.000086	0.019	0.85	0.14	0.000011
	April		0.060	0.23	0.00081	**0.000061**	1.9	2.5	0.00035	0.0035	0.0054	0.082	0.000066	0.014	0.62	0.11	0.0000079
	May		0.058	0.22	0.00078	**0.000060**	1.8	2.3	0.00034	0.0032	0.0047	0.077	0.000064	0.014	0.59	0.10	0.0000075
	June		0.062	0.23	0.00081	**0.000062**	1.8	2.4	0.00035	0.0031	0.0044	0.076	0.000067	0.014	0.60	0.11	0.0000076
	July		0.076	0.29	0.00099	**0.000076**	2.2	2.9	0.00043	0.0036	0.0048	0.089	0.000082	0.017	0.71	0.13	0.0000090
	August		0.086	0.33	0.0011	**0.000086**	2.4	3.2	0.00048	0.0037	0.0048	0.096	0.000093	0.020	0.78	0.15	0.0000099
	September		0.081	0.31	0.0010	**0.000080**	2.2	2.9	0.00045	0.0033	0.0040	0.086	0.000086	0.018	0.71	0.14	0.0000090
	October		0.082	0.31	0.0010	**0.000081**	2.2	2.9	0.00045	0.0032	0.0039	0.086	0.000088	0.018	0.71	0.14	0.0000091
	November		0.080	0.30	0.00100	**0.000079**	2.1	2.8	0.00044	0.0031	0.0036	0.083	0.000085	0.018	0.69	0.14	0.0000087
	December		0.080	0.30	0.00100	**0.000078**	2.1	2.8	0.00044	0.0031	0.0036	0.082	0.000085	0.018	0.68	0.14	0.0000087

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.000053	0.000073	0.090	0.0075	0.0043	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0056	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000079	0.089	0.0075	0.0066	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00081
	April		0.000053	0.00019	0.077	0.0062	0.0063	0.28	0.000043	1.2	0.025	1.4	0.0044	0.000046	0.00014	0.00099
	May		0.000057	0.00033	0.070	0.0054	0.0063	0.26	0.000042	1.0	0.022	1.4	0.0043	0.000045	0.00014	0.0013
	June		0.000075	0.00051	0.082	0.0061	0.0080	0.31	0.000053	1.2	0.026	1.8	0.0053	0.000055	0.00018	0.0018
	July		0.000095	0.00078	0.091	0.0064	0.0093	0.35	0.000063	1.3	0.028	2.2	0.0063	0.000065	0.00022	0.0025
	August		0.00011	0.0010	0.100	0.0068	0.011	0.38	0.000072	1.4	0.030	2.5	0.0072	0.000074	0.00026	0.0032
	September		0.00011	0.0010	0.090	0.0059	0.010	0.35	0.000068	1.2	0.026	2.4	0.0068	0.000070	0.00025	0.0032
	October		0.00010	0.0010	0.081	0.0052	0.0094	0.32	0.000063	1.1	0.023	2.2	0.0063	0.000065	0.00023	0.0031
	November		0.000096	0.00097	0.073	0.0046	0.0089	0.29	0.000057	0.95	0.021	2.1	0.0058	0.000059	0.00021	0.0029
	December		0.000095	0.00096	0.072	0.0045	0.0093	0.28	0.000056	0.93	0.020	2.0	0.0057	0.000058	0.00021	0.0028
	January	**2026**	0.000094	0.00096	0.071	0.0044	0.0097	0.28	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	February		0.000094	0.00096	0.071	0.0044	0.010	0.28	0.000056	0.92	0.020	2.0	0.0056	0.000058	0.00021	0.0028
	March		0.000094	0.00095	0.071	0.0044	0.011	0.28	0.000056	0.91	0.020	2.0	0.0056	0.000057	0.00021	0.0028
	April		0.000086	0.00090	0.062	0.0038	0.0085	0.25	0.000051	0.80	0.017	1.8	0.0051	0.000052	0.00019	0.0026
	May		0.00012	0.0012	0.085	0.0051	0.012	0.33	0.000069	1.1	0.024	2.5	0.0070	0.000071	0.00026	0.0036
	June		0.00013	0.0013	0.089	0.0053	0.011	0.35	0.000073	1.1	0.025	2.7	0.0074	0.000075	0.00027	0.0039
	July		0.00014	0.0015	0.099	0.0059	0.012	0.39	0.000082	1.3	0.027	3.0	0.0082	0.000084	0.00031	0.0044
	August		0.00012	0.0013	0.086	0.0051	0.0096	0.34	0.000071	1.1	0.024	2.6	0.0072	0.000073	0.00027	0.0038
	September		0.00012	0.0012	0.080	0.0047	0.0088	0.32	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	October		0.00011	0.0012	0.079	0.0046	0.0089	0.31	0.000065	0.98	0.022	2.4	0.0066	0.000067	0.00025	0.0035
	November		0.00012	0.0012	0.080	0.0047	0.0097	0.32	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	December		0.00012	0.0012	0.080	0.0047	0.010	0.32	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	January	**2027**	0.00012	0.0012	0.080	0.0047	0.011	0.32	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	February		0.00012	0.0012	0.080	0.0047	0.012	0.31	0.000067	1.0	0.022	2.4	0.0067	0.000068	0.00025	0.0036
	March		0.00011	0.0011	0.073	0.0042	0.010	0.29	0.000060	0.91	0.020	2.2	0.0061	0.000062	0.00023	0.0033
	April		0.000087	0.00093	0.059	0.0035	0.0076	0.23	0.000050	0.74	0.016	1.8	0.0050	0.000051	0.00019	0.0027
	May		0.000093	0.0010	0.064	0.0037	0.0077	0.25	0.000053	0.79	0.017	1.9	0.0053	0.000054	0.00020	0.0029
	June		0.00011	0.0012	0.075	0.0043	0.0087	0.29	0.000063	0.93	0.020	2.3	0.0063	0.000064	0.00024	0.0034
	July		0.00011	0.0012	0.075	0.0044	0.0078	0.30	0.000063	0.94	0.021	2.3	0.0063	0.000064	0.00024	0.0034
	August		0.00013	0.0014	0.086	0.0050	0.0088	0.34	0.000072	1.1	0.023	2.6	0.0072	0.000074	0.00027	0.0039
	September		0.00015	0.0017	0.10	0.0060	0.011	0.41	0.000087	1.3	0.028	3.2	0.0088	0.000089	0.00033	0.0048
	October		0.00016	0.0017	0.11	0.0063	0.013	0.43	0.000091	1.3	0.030	3.3	0.0091	0.000093	0.00034	0.0050
	November		0.00014	0.0015	0.094	0.0055	0.011	0.37	0.000079	1.2	0.026	2.9	0.0079	0.000081	0.00030	0.0043
	December		0.00014	0.0015	0.093	0.0054	0.012	0.37	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	January	**2028**	0.00014	0.0015	0.093	0.0054	0.013	0.37	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	February		0.00014	0.0015	0.093	0.0054	0.014	0.37	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	March		0.00014	0.0015	0.093	0.0054	0.014	0.37	0.000078	1.2	0.025	2.9	0.0078	0.000080	0.00029	0.0043
	April		0.00032	0.0027	0.081	0.0055	0.013	0.69	0.00017	1.0	0.024	3.9	0.0083	0.0026	0.00032	0.0052
	May		0.00037	0.0030	0.065	0.0048	0.0099	0.77	0.00019	0.81	0.020	3.9	0.0076	0.0035	0.00030	0.0052
	June		0.00041	0.0034	0.077	0.0054	0.012	0.86	0.00021	0.95	0.023	4.5	0.0088	0.0038	0.00035	0.0060
	July		0.00042	0.0036	0.084	0.0057	0.013	0.87	0.00022	1.0	0.024	4.7	0.0095	0.0037	0.00037	0.0065
	August		0.00038	0.0033	0.083	0.0053	0.012	0.78	0.00020	0.99	0.024	4.5	0.0093	0.0032	0.00036	0.0063
	September		0.00037	0.0033	0.086	0.0053	0.013	0.77	0.00019	1.0	0.024	4.5	0.0095	0.0030	0.00037	0.0064
	October		0.00040	0.0036	0.094	0.0058	0.014	0.83	0.00021	1.1	0.026	4.9	0.010	0.0032	0.00041	0.0070
	November		0.00039	0.0036	0.094	0.0057	0.015	0.82	0.00020	1.1	0.026	4.9	0.010	0.0031	0.00041	0.0070
	December		0.00039	0.0036	0.094	0.0057	0.016	0.82	0.00020	1.1	0.026	4.9	0.010	0.0031	0.00041	0.0070
		MINIMUM	0.000053	0.000073	0.059	0.0035	0.0043	0.23	0.000042	0.74	0.016	1.4	0.0043	0.000045	0.00014	0.00080
		MAXIMUM	0.00042	0.0036	0.11	0.0075	0.016	0.87	0.00022	1.4	0.030	4.9	0.010	0.0038	0.00041	0.0070
		AVERAGE	0.00016	0.0015	0.083	0.0053	0.010	0.41	0.000089	1.1	0.024	2.7	0.0070	0.00066	0.00026	0.0037
Operations	**January**	**2029**	0.00039	0.0036	0.094	0.0057	0.016	0.82	0.00020	1.1	0.026	4.9	0.010	0.0031	0.00041	0.0070
	February		0.00039	0.0036	0.094	0.0057	0.017	0.82	0.00020	1.1	0.026	4.9	0.010	0.0031	0.00041	0.0070
	March		0.00038	0.0035	0.092	0.0056	0.017	0.79	0.00020	1.1	0.025	4.7	0.010	0.0030	0.00040	0.0068
	April		0.00027	0.0025	0.070	0.0041	0.012	0.56	0.00014	0.81	0.019	3.5	0.0076	0.0020	0.00030	0.0051
	May		0.00025	0.0024	0.067	0.0039	0.011	0.52	0.00013	0.78	0.018	3.3	0.0073	0.0018	0.00029	0.0049
	June		0.00025	0.0024	0.070	0.0039	0.011	0.51	0.00013	0.80	0.019	3.4	0.0075	0.0016	0.00030	0.0050
	July		0.00029	0.0028	0.085	0.0046	0.014	0.60	0.00015	0.97	0.022	4.0	0.0091	0.0018	0.00036	0.0061
	August		0.00031	0.0030	0.095	0.0051	0.015	0.64	0.00016	1.1	0.025	4.4	0.010	0.0018	0.00040	0.0068
	September		0.00027	0.0027	0.088	0.0046	0.013	0.56	0.00014	1.00	0.023	4.0	0.0094	0.0015	0.00037	0.0062
	October		0.00027	0.0028	0.089	0.0046	0.014	0.56	0.00014	1.0	0.023	4.0	0.0095	0.0014	0.00037	0.0063
	November		0.00026	0.0026	0.086	0.0045	0.014	0.54	0.00013	0.97	0.022	3.9	0.0091	0.0013	0.00036	0.0061
	December		0.00026	0.0026	0.086	0.0044	0.015	0.53	0.00013	0.97	0.022	3.9	0.0091	0.0013	0.00036	0.0061

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	January	2030	0.080	0.30	0.00100	**0.000078**	2.1	2.8	0.00044	0.0031	0.0036	0.082	0.000085	0.018	0.68	0.14	0.0000087
	February		0.078	0.30	0.00098	**0.000077**	2.1	2.7	0.00043	0.0030	0.0035	0.081	0.000083	0.017	0.67	0.14	0.0000085
	March		0.074	0.28	0.00092	**0.000073**	2.0	2.6	0.00040	0.0028	0.0033	0.076	0.000078	0.016	0.63	0.13	0.0000080
	April		0.063	0.24	0.00078	**0.000062**	1.6	2.2	0.00034	0.0022	0.0024	0.062	0.000067	0.014	0.52	0.11	0.0000066
	May		0.068	0.26	0.00083	**0.000066**	1.7	2.3	0.00036	0.0023	0.0024	0.065	0.000071	0.015	0.55	0.12	0.0000070
	June		0.063	0.24	0.00076	**0.000061**	1.6	2.1	0.00033	0.0019	0.0018	0.057	0.000065	0.014	0.49	0.11	0.0000063
	July		0.059	0.22	0.00070	**0.000057**	1.4	1.9	0.00031	0.0017	0.0014	0.051	0.000061	0.013	0.45	0.10	0.0000058
	August		0.064	0.24	0.00076	**0.000061**	1.5	2.0	0.00033	0.0017	0.0013	0.053	0.000066	0.014	0.48	0.11	0.0000061
	September		0.058	0.22	0.00069	**0.000056**	1.4	1.8	0.00030	0.0015	0.00099	0.047	0.000060	0.012	0.43	0.10	0.0000055
	October		0.058	0.22	0.00068	**0.000055**	1.3	1.8	0.00030	0.0014	0.00090	0.046	0.000059	0.012	0.42	0.100	0.0000054
	November		0.053	0.20	0.00063	**0.000051**	1.2	1.6	0.00027	0.0013	0.00079	0.042	0.000055	0.011	0.39	0.092	0.0000049
	December		0.053	0.20	0.00062	0.000051	1.2	1.6	0.00027	0.0013	0.00078	0.042	0.000055	0.011	0.38	0.092	0.0000049
	January	2031	0.052	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0012	0.00076	0.041	0.000054	0.011	0.38	0.090	0.0000048
	February		0.052	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0012	0.00075	0.041	0.000053	0.011	0.38	0.090	0.0000048
	March		0.051	0.19	0.00060	0.000049	1.2	1.6	0.00026	0.0012	0.00073	0.040	0.000052	0.011	0.37	0.088	0.0000047
	April		0.042	0.16	0.00049	0.000040	0.97	1.3	0.00022	0.00097	0.00052	0.033	0.000044	0.0089	0.30	0.073	0.0000039
	May		0.044	0.17	0.00051	0.000042	1.00	1.3	0.00022	0.00096	0.00046	0.033	0.000045	0.0092	0.31	0.076	0.0000040
	June		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0012	0.00053	0.041	0.000056	0.011	0.38	0.094	0.0000049
	July		0.066	0.25	0.00076	**0.000063**	1.5	2.0	0.00034	0.0014	0.00058	0.049	0.000068	0.014	0.46	0.11	0.0000059
	August		0.076	0.29	0.00088	**0.000073**	1.7	2.3	0.00039	0.0016	0.00061	0.057	0.000078	0.016	0.53	0.13	0.0000068
	September		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0016	0.00057	0.056	0.000077	0.016	0.53	0.13	0.0000067
	October		0.071	0.27	0.00082	**0.000067**	1.6	2.1	0.00036	0.0014	0.00052	0.052	0.000073	0.015	0.49	0.12	0.0000063
	November		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0013	0.00047	0.048	0.000067	0.014	0.45	0.11	0.0000058
	December		0.065	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0013	0.00046	0.048	0.000067	0.014	0.45	0.11	0.0000058
	January	2032	0.064	0.24	0.00074	**0.000061**	1.4	1.9	0.00033	0.0013	0.00045	0.047	0.000066	0.013	0.44	0.11	0.0000057
	February		0.064	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0013	0.00045	0.047	0.000066	0.013	0.44	0.11	0.0000057
	March		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0011	0.00037	0.040	0.000056	0.011	0.38	0.095	0.0000048
	April		0.046	0.17	0.00053	0.000044	1.0	1.4	0.00023	0.00092	0.00029	0.034	0.000047	0.0095	0.32	0.080	0.0000041
	May		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00097	0.00029	0.036	0.000050	0.010	0.34	0.085	0.0000043
	June		0.060	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0012	0.00034	0.043	0.000061	0.012	0.41	0.10	0.0000053
	July		0.059	0.22	0.00068	**0.000056**	1.3	1.7	0.00030	0.0012	0.00032	0.043	0.000060	0.012	0.41	0.10	0.0000052
	August		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00032	0.0012	0.00032	0.045	0.000064	0.013	0.43	0.11	0.0000055
	September		0.070	0.27	0.00080	**0.000066**	1.6	2.1	0.00035	0.0014	0.00035	0.050	0.000072	0.015	0.48	0.12	0.0000061
	October		0.071	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00035	0.051	0.000073	0.015	0.49	0.12	0.0000062
	November		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00035	0.050	0.000071	0.014	0.48	0.12	0.0000061
	December		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00035	0.050	0.000071	0.014	0.48	0.12	0.0000061
	January	2033	0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00035	0.050	0.000071	0.014	0.48	0.12	0.0000061
	February		0.070	0.26	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00035	0.050	0.000071	0.014	0.48	0.12	0.0000061
	March		0.069	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00034	0.050	0.000071	0.014	0.47	0.12	0.0000061
	April		0.052	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.0010	0.00025	0.038	0.000053	0.011	0.36	0.090	0.0000046
	May		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0011	0.00025	0.039	0.000056	0.011	0.38	0.095	0.0000048
	June		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00028	0.045	0.000064	0.013	0.43	0.11	0.0000054
	July		0.076	0.29	0.00087	**0.000072**	1.7	2.2	0.00038	0.0015	0.00034	0.054	0.000078	0.016	0.52	0.13	0.0000066
	August		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0016	0.00036	0.058	0.000083	0.017	0.56	0.14	0.0000071
	September		0.083	0.31	0.00094	**0.000078**	1.8	2.4	0.00042	0.0016	0.00036	0.059	0.000084	0.017	0.56	0.14	0.0000072
	October		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0016	0.00035	0.058	0.000083	0.017	0.56	0.14	0.0000071
	November		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0014	0.00031	0.051	0.000073	0.015	0.49	0.12	0.0000062
	December		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00030	0.050	0.000072	0.015	0.48	0.12	0.0000062
	January	2034	0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00030	0.050	0.000072	0.014	0.48	0.12	0.0000062
	February		0.070	0.27	0.00080	**0.000067**	1.6	2.0	0.00035	0.0013	0.00030	0.050	0.000072	0.014	0.48	0.12	0.0000061
	March		0.066	0.25	0.00075	**0.000062**	1.5	1.9	0.00033	0.0012	0.00028	0.047	0.000067	0.013	0.45	0.11	0.0000057
	April		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00023	0.038	0.000055	0.011	0.37	0.093	0.0000047
	May		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00028	0.0010	0.00023	0.039	0.000056	0.011	0.37	0.094	0.0000048
	June		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	July		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	August		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	September		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00096	0.00020	0.036	0.000052	0.010	0.34	0.087	0.0000044
	October		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	November		0.054	0.20	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.038	0.000055	0.011	0.37	0.093	0.0000047
	December		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00021	0.036	0.000052	0.011	0.35	0.088	0.0000045
	January	2035	0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	February		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043
	March		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000050	0.010	0.34	0.085	0.0000043

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2030**	0.00026	0.0026	0.086	0.0044	0.015	0.53	0.00013	0.97	0.022	3.9	0.0091	0.0013	0.00036	0.0061
	February		0.00025	0.0026	0.085	0.0043	0.015	0.52	0.00013	0.95	0.022	3.8	0.0089	0.0013	0.00035	0.0059
	March		0.00024	0.0024	0.080	0.0041	0.014	0.49	0.00012	0.89	0.020	3.6	0.0084	0.0012	0.00033	0.0056
	April		0.00019	0.0020	0.067	0.0034	0.011	0.40	0.000098	0.75	0.017	3.0	0.0071	0.00090	0.00028	0.0047
	May		0.00020	0.0021	0.072	0.0036	0.012	0.41	0.00010	0.80	0.018	3.1	0.0076	0.00088	0.00030	0.0050
	June		0.00017	0.0019	0.066	0.0032	0.010	0.36	0.000089	0.73	0.016	2.8	0.0069	0.00067	0.00027	0.0045
	July		0.00015	0.0017	0.061	0.0029	0.0086	0.32	0.000078	0.68	0.015	2.6	0.0064	0.00051	0.00025	0.0042
	August		0.00016	0.0018	0.066	0.0031	0.0089	0.33	0.000081	0.72	0.016	2.7	0.0068	0.00046	0.00027	0.0045
	September		0.00014	0.0016	0.060	0.0028	0.0079	0.29	0.000071	0.66	0.015	2.5	0.0062	0.00035	0.00024	0.0041
	October		0.00013	0.0016	0.059	0.0027	0.0079	0.28	0.000069	0.64	0.014	2.4	0.0061	0.00031	0.00024	0.0040
	November		0.00012	0.0014	0.055	0.0025	0.0077	0.26	0.000063	0.60	0.013	2.2	0.0056	0.00027	0.00022	0.0037
	December		0.00012	0.0014	0.054	0.0025	0.0081	0.25	0.000063	0.59	0.013	2.2	0.0056	0.00027	0.00022	0.0037
	January	**2031**	0.00012	0.0014	0.053	0.0024	0.0084	0.25	0.000062	0.58	0.013	2.2	0.0055	0.00026	0.00021	0.0036
	February		0.00012	0.0014	0.053	0.0024	0.0088	0.25	0.000061	0.58	0.013	2.2	0.0055	0.00026	0.00021	0.0036
	March		0.00012	0.0014	0.052	0.0024	0.0088	0.24	0.000060	0.57	0.013	2.1	0.0054	0.00025	0.00021	0.0035
	April		0.000094	0.0011	0.043	0.0019	0.0067	0.20	0.000049	0.47	0.010	1.7	0.0044	0.00018	0.00017	0.0029
	May		0.000095	0.0011	0.044	0.0020	0.0063	0.20	0.000049	0.48	0.011	1.8	0.0046	0.00015	0.00018	0.0030
	June		0.00012	0.0014	0.055	0.0025	0.0078	0.24	0.000060	0.60	0.013	2.2	0.0057	0.00018	0.00022	0.0037
	July		0.00014	0.0017	0.067	0.0030	0.0092	0.29	0.000072	0.72	0.016	2.7	0.0068	0.00019	0.00027	0.0045
	August		0.00016	0.0019	0.077	0.0034	0.010	0.33	0.000083	0.83	0.019	3.1	0.0079	0.00020	0.00031	0.0052
	September		0.00016	0.0019	0.076	0.0034	0.010	0.33	0.000081	0.83	0.018	3.0	0.0078	0.00018	0.00031	0.0051
	October		0.00015	0.0018	0.072	0.0032	0.010	0.31	0.000076	0.78	0.017	2.8	0.0073	0.00016	0.00029	0.0048
	November		0.00014	0.0016	0.066	0.0029	0.0098	0.28	0.000070	0.72	0.016	2.6	0.0068	0.00015	0.00027	0.0044
	December		0.00013	0.0016	0.066	0.0029	0.010	0.28	0.000070	0.71	0.016	2.6	0.0067	0.00014	0.00026	0.0044
	January	**2032**	0.00013	0.0016	0.065	0.0028	0.011	0.28	0.000069	0.70	0.016	2.6	0.0066	0.00014	0.00026	0.0043
	February		0.00013	0.0016	0.065	0.0028	0.011	0.28	0.000068	0.70	0.016	2.6	0.0066	0.00014	0.00026	0.0043
	March		0.00011	0.0014	0.055	0.0024	0.0091	0.23	0.000058	0.60	0.013	2.2	0.0056	0.00011	0.00022	0.0037
	April		0.000094	0.0012	0.046	0.0020	0.0071	0.20	0.000049	0.50	0.011	1.8	0.0047	0.000087	0.00019	0.0031
	May		0.000100	0.0012	0.049	0.0022	0.0074	0.21	0.000052	0.54	0.012	1.9	0.0051	0.000088	0.00020	0.0033
	June		0.00012	0.0015	0.060	0.0026	0.0088	0.25	0.000063	0.65	0.014	2.4	0.0061	0.00010	0.00024	0.0040
	July		0.00012	0.0015	0.059	0.0026	0.0083	0.25	0.000062	0.64	0.014	2.3	0.0061	0.000093	0.00024	0.0040
	August		0.00013	0.0015	0.063	0.0027	0.0085	0.26	0.000065	0.68	0.015	2.5	0.0064	0.000092	0.00025	0.0042
	September		0.00014	0.0017	0.070	0.0031	0.0098	0.29	0.000073	0.76	0.017	2.8	0.0072	0.00010	0.00028	0.0047
	October		0.00014	0.0018	0.071	0.0031	0.010	0.30	0.000074	0.77	0.017	2.8	0.0073	0.00010	0.00029	0.0048
	November		0.00014	0.0017	0.070	0.0031	0.011	0.29	0.000072	0.76	0.017	2.7	0.0071	0.000098	0.00028	0.0047
	December		0.00014	0.0017	0.070	0.0031	0.011	0.29	0.000072	0.76	0.017	2.7	0.0071	0.000098	0.00028	0.0047
	January	**2033**	0.00014	0.0017	0.070	0.0031	0.012	0.29	0.000072	0.76	0.017	2.7	0.0071	0.000098	0.00028	0.0047
	February		0.00014	0.0017	0.070	0.0031	0.012	0.29	0.000072	0.76	0.017	2.7	0.0071	0.000098	0.00028	0.0047
	March		0.00014	0.0017	0.070	0.0030	0.012	0.29	0.000072	0.75	0.017	2.7	0.0071	0.000097	0.00028	0.0047
	April		0.00010	0.0013	0.052	0.0023	0.0084	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000069	0.00021	0.0035
	May		0.00011	0.0014	0.055	0.0024	0.0083	0.23	0.000057	0.60	0.013	2.2	0.0056	0.000070	0.00022	0.0037
	June		0.00012	0.0015	0.063	0.0027	0.0092	0.26	0.000064	0.68	0.015	2.4	0.0064	0.000078	0.00025	0.0042
	July		0.00015	0.0019	0.076	0.0033	0.011	0.32	0.000078	0.82	0.018	3.0	0.0078	0.000093	0.00031	0.0051
	August		0.00016	0.0020	0.082	0.0035	0.012	0.34	0.000084	0.88	0.019	3.2	0.0083	0.000097	0.00033	0.0055
	September		0.00016	0.0020	0.083	0.0036	0.012	0.34	0.000085	0.89	0.020	3.2	0.0084	0.000097	0.00033	0.0055
	October		0.00016	0.0020	0.082	0.0036	0.012	0.34	0.000084	0.88	0.020	3.2	0.0084	0.000095	0.00033	0.0055
	November		0.00014	0.0018	0.071	0.0031	0.011	0.29	0.000073	0.77	0.017	2.8	0.0073	0.000082	0.00029	0.0048
	December		0.00014	0.0017	0.071	0.0031	0.011	0.29	0.000072	0.76	0.017	2.8	0.0072	0.000082	0.00028	0.0047
	January	**2034**	0.00014	0.0017	0.071	0.0031	0.012	0.29	0.000072	0.76	0.017	2.8	0.0072	0.000082	0.00028	0.0047
	February		0.00014	0.0017	0.070	0.0031	0.012	0.29	0.000072	0.76	0.017	2.8	0.0072	0.000081	0.00028	0.0047
	March		0.00013	0.0016	0.066	0.0029	0.011	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000076	0.00026	0.0044
	April		0.00011	0.0013	0.054	0.0024	0.0089	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000061	0.00022	0.0036
	May		0.00011	0.0013	0.055	0.0024	0.0087	0.23	0.000056	0.59	0.013	2.1	0.0056	0.000061	0.00022	0.0037
	June		0.000092	0.0011	0.047	0.0020	0.0063	0.19	0.000048	0.50	0.011	1.8	0.0048	0.000051	0.00019	0.0031
	July		0.000087	0.0011	0.044	0.0019	0.0052	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000047	0.00018	0.0030
	August		0.000098	0.0012	0.050	0.0022	0.0057	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000052	0.00020	0.0033
	September		0.000100	0.0012	0.051	0.0022	0.0059	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00020	0.0034
	October		0.00011	0.0013	0.055	0.0024	0.0069	0.23	0.000056	0.59	0.013	2.1	0.0056	0.000058	0.00022	0.0037
	November		0.00011	0.0013	0.054	0.0023	0.0073	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000057	0.00022	0.0036
	December		0.00010	0.0013	0.051	0.0022	0.0074	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000054	0.00021	0.0034
	January	**2035**	0.00010	0.0012	0.051	0.0022	0.0078	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00020	0.0034
	February		0.000098	0.0012	0.050	0.0022	0.0079	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000052	0.00020	0.0033
	March		0.000098	0.0012	0.050	0.0022	0.0082	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000052	0.00020	0.0033

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	May		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	June		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	July		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	August		0.064	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	September		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00034	0.0013	0.00027	0.047	0.000068	0.014	0.45	0.12	0.0000058
	October		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	November		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.045	0.000065	0.013	0.44	0.11	0.0000056
	December		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.045	0.000065	0.013	0.44	0.11	0.0000056
	January	2036	0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.045	0.000065	0.013	0.44	0.11	0.0000056
	February		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.045	0.000065	0.013	0.44	0.11	0.0000056
	March		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.42	0.11	0.0000053
	April		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.32	0.080	0.0000040
	May		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	June		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	July		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	August		0.086	0.33	0.00098	**0.000082**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000088	0.018	0.59	0.15	0.0000075
	September		0.092	0.35	0.0010	**0.000087**	2.0	2.7	0.00046	0.0017	0.00036	0.065	0.000093	0.019	0.62	0.16	0.0000080
	October		0.085	0.32	0.00097	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.061	0.000087	0.018	0.58	0.15	0.0000074
	November		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	December		0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	January	2037	0.081	0.31	0.00092	**0.000076**	1.8	2.3	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	February		0.076	0.29	0.00086	**0.000072**	1.7	2.2	0.00038	0.0014	0.00030	0.054	0.000077	0.015	0.51	0.13	0.0000066
	March		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	April		0.057	0.21	0.00065	**0.000054**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000058	0.012	0.38	0.098	0.0000049
	May		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	July		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	August		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.49	0.13	0.0000063
	September		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	October		0.071	0.27	0.00081	**0.000067**	1.6	2.1	0.00036	0.0013	0.00028	0.050	0.000072	0.015	0.48	0.12	0.0000062
	November		0.070	0.27	0.00080	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.050	0.000071	0.014	0.48	0.12	0.0000061
	December		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	January	2038	0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	February		0.069	0.26	0.00078	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	March		0.058	0.22	0.00066	**0.000054**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.099	0.0000050
	April		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0097	0.32	0.081	0.0000041
	May		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	June		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	July		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	August		0.082	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000071
	September		0.080	0.30	0.00091	**0.000076**	1.8	2.3	0.00040	0.0015	0.00032	0.057	0.000082	0.016	0.54	0.14	0.0000070
	October		0.068	0.26	0.00078	**0.000065**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	November		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	December		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	January	2039	0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	February		0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	March		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.096	0.0000048
	April		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	May		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	June		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	July		0.081	0.31	0.00092	**0.000076**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	August		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	September		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	October		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.42	0.11	0.0000053
	November		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	December		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.097	0.0000049
	January	2040	0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.097	0.0000049
	February		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.011	0.38	0.097	0.0000049
	March		0.046	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.32	0.080	0.0000040
	April		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	May		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.073	0.0000037
	June		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.000090	0.0011	0.046	0.0020	0.0074	0.19	0.000047	0.49	0.011	1.8	0.0047	0.000048	0.00018	0.0031
	May		0.000086	0.0011	0.044	0.0019	0.0064	0.18	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	June		0.000093	0.0012	0.047	0.0020	0.0064	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000049	0.00019	0.0032
	July		0.00010	0.0013	0.053	0.0023	0.0069	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	August	**2035**	0.00012	0.0016	0.064	0.0028	0.0083	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00025	0.0043
	September		0.00013	0.0016	0.067	0.0029	0.0089	0.28	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	October		0.00013	0.0016	0.065	0.0028	0.0090	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	November		0.00013	0.0016	0.064	0.0028	0.0094	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	December		0.00013	0.0016	0.064	0.0028	0.010	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	January		0.00013	0.0016	0.064	0.0028	0.011	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	February		0.00013	0.0016	0.064	0.0028	0.011	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	March		0.00012	0.0015	0.061	0.0027	0.011	0.25	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00025	0.0041
	April		0.000091	0.0011	0.046	0.0020	0.0071	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	May		0.000091	0.0011	0.047	0.0020	0.0068	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	June		0.00011	0.0014	0.058	0.0025	0.0083	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	July	**2036**	0.00013	0.0016	0.065	0.0028	0.0090	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	August		0.00017	0.0021	0.086	0.0037	0.012	0.35	0.000088	0.93	0.021	3.4	0.0088	0.000088	0.00035	0.0058
	September		0.00018	0.0022	0.092	0.0040	0.013	0.38	0.000093	0.99	0.022	3.6	0.0094	0.000094	0.00037	0.0061
	October		0.00017	0.0021	0.085	0.0037	0.013	0.35	0.000087	0.92	0.020	3.3	0.0087	0.000088	0.00034	0.0057
	November		0.00016	0.0020	0.081	0.0035	0.012	0.33	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	December		0.00016	0.0020	0.081	0.0035	0.013	0.33	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	January		0.00016	0.0020	0.081	0.0035	0.014	0.33	0.000082	0.87	0.019	3.1	0.0082	0.000083	0.00032	0.0054
	February		0.00015	0.0019	0.076	0.0033	0.013	0.31	0.000077	0.82	0.018	3.0	0.0077	0.000078	0.00030	0.0051
	March		0.00014	0.0018	0.073	0.0032	0.013	0.30	0.000074	0.79	0.017	2.9	0.0075	0.000075	0.00029	0.0049
	April		0.00011	0.0014	0.057	0.0025	0.0090	0.23	0.000058	0.61	0.014	2.2	0.0058	0.000058	0.00023	0.0038
	May		0.00013	0.0016	0.065	0.0028	0.010	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00012	0.0015	0.062	0.0027	0.0092	0.26	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	July	**2037**	0.00011	0.0014	0.058	0.0025	0.0079	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	August		0.00014	0.0018	0.073	0.0032	0.0099	0.30	0.000074	0.79	0.017	2.8	0.0074	0.000075	0.00029	0.0049
	September		0.00014	0.0017	0.069	0.0030	0.0093	0.28	0.000070	0.75	0.016	2.7	0.0070	0.000071	0.00028	0.0046
	October		0.00014	0.0017	0.071	0.0031	0.010	0.29	0.000072	0.77	0.017	2.8	0.0072	0.000073	0.00028	0.0048
Operations	**November**		0.00014	0.0017	0.070	0.0030	0.011	0.29	0.000071	0.76	0.017	2.7	0.0071	0.000072	0.00028	0.0047
	December		0.00014	0.0017	0.069	0.0030	0.011	0.28	0.000070	0.75	0.017	2.7	0.0070	0.000071	0.00028	0.0046
	January		0.00014	0.0017	0.069	0.0030	0.011	0.28	0.000070	0.75	0.017	2.7	0.0070	0.000071	0.00028	0.0046
	February		0.00013	0.0017	0.069	0.0030	0.012	0.28	0.000070	0.74	0.016	2.7	0.0070	0.000070	0.00028	0.0046
	March		0.00011	0.0014	0.058	0.0025	0.0095	0.24	0.000059	0.62	0.014	2.2	0.0059	0.000059	0.00023	0.0039
	April		0.000093	0.0012	0.047	0.0021	0.0072	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	May		0.00010	0.0013	0.051	0.0022	0.0077	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00021	0.0034
	June		0.00012	0.0015	0.060	0.0026	0.0089	0.25	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	July	**2038**	0.00014	0.0017	0.069	0.0030	0.0100	0.28	0.000070	0.75	0.016	2.7	0.0070	0.000071	0.00028	0.0046
	August		0.00016	0.0020	0.082	0.0035	0.012	0.34	0.000083	0.88	0.019	3.2	0.0083	0.000084	0.00033	0.0055
	September		0.00016	0.0020	0.080	0.0035	0.012	0.33	0.000082	0.87	0.019	3.1	0.0082	0.000082	0.00032	0.0054
	October		0.00013	0.0017	0.068	0.0030	0.0098	0.28	0.000069	0.74	0.016	2.7	0.0070	0.000070	0.00027	0.0046
	November		0.00013	0.0016	0.065	0.0028	0.0098	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	December		0.00013	0.0016	0.065	0.0028	0.010	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	January		0.00013	0.0016	0.065	0.0028	0.011	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	February		0.00011	0.0014	0.058	0.0025	0.0096	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	March		0.00011	0.0014	0.056	0.0024	0.0093	0.23	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	April		0.00011	0.0014	0.056	0.0024	0.0094	0.23	0.000057	0.61	0.013	2.2	0.0057	0.000058	0.00023	0.0038
	May		0.00013	0.0016	0.064	0.0028	0.010	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000065	0.00026	0.0043
	June		0.00016	0.0020	0.081	0.0035	0.013	0.33	0.000082	0.87	0.019	3.2	0.0083	0.000083	0.00032	0.0054
	July	**2039**	0.00016	0.0020	0.081	0.0035	0.013	0.33	0.000082	0.87	0.019	3.2	0.0082	0.000083	0.00032	0.0054
	August		0.00012	0.0015	0.063	0.0027	0.0089	0.26	0.000064	0.68	0.015	2.5	0.0064	0.000065	0.00025	0.0042
	September		0.00013	0.0016	0.065	0.0028	0.0091	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	October		0.00012	0.0015	0.061	0.0027	0.0087	0.25	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00024	0.0041
	November		0.00011	0.0014	0.056	0.0024	0.0083	0.23	0.000057	0.61	0.013	2.2	0.0057	0.000057	0.00022	0.0038
	December		0.00011	0.0014	0.056	0.0024	0.0088	0.23	0.000057	0.61	0.013	2.2	0.0057	0.000057	0.00022	0.0038
	January		0.00011	0.0014	0.056	0.0024	0.0092	0.23	0.000057	0.61	0.013	2.2	0.0057	0.000057	0.00022	0.0038
	February		0.00011	0.0014	0.056	0.0024	0.0096	0.23	0.000057	0.61	0.013	2.2	0.0057	0.000057	0.00022	0.0038
	March		0.000091	0.0011	0.046	0.0020	0.0074	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	April	**2040**	0.000080	0.00100	0.041	0.0018	0.0060	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	May		0.000084	0.0010	0.043	0.0018	0.0060	0.17	0.000043	0.46	0.010	1.7	0.0043	0.000044	0.00017	0.0029
	June		0.000090	0.0011	0.046	0.0020	0.0060	0.19	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum mg/L	Ammonia (Total) mg/L as N	Arsenic mg/L	Cadmium mg/L	Calcium mg/L	Chloride mg/L	Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lead-210 Bq/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	July	2040	0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	August		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	September		0.069	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000071	0.014	0.47	0.12	0.0000060
	October		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	November		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	December		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	January	2041	0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	February		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	March		0.063	0.24	0.00072	**0.000060**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000055
	April		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00026	0.00096	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	May		0.055	0.21	0.00062	**0.000052**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.094	0.0000047
	June		0.069	0.26	0.00079	**0.000065**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000070	0.014	0.47	0.12	0.0000060
	July		0.073	0.28	0.00083	**0.000069**	1.6	2.1	0.00037	0.0014	0.00029	0.052	0.000074	0.015	0.50	0.13	0.0000063
	August		0.050	0.19	0.00057	0.000047	1.1	1.5	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	September		0.047	0.18	0.00054	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	October		0.049	0.18	0.00056	0.000046	1.1	1.4	0.00024	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.084	0.0000042
	November		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	December		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	January	2042	0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	February		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	March		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	April		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0082	0.27	0.069	0.0000035
	May		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.074	0.0000037
	July		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	August		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	September		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000048	0.0097	0.32	0.080	0.0000040
	October		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0086	0.28	0.071	0.0000036
	November		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	December		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	January	2043	0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	February		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	March		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	April		0.037	0.14	0.00043	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.026	0.000038	0.0077	0.25	0.064	0.0000032
	May		0.039	0.15	0.00045	0.000037	0.86	1.1	0.00020	0.00074	0.00016	0.028	0.000040	0.0081	0.27	0.068	0.0000034
	June		0.041	0.16	0.00047	0.000039	0.91	1.2	0.00021	0.00078	0.00016	0.029	0.000042	0.0086	0.28	0.071	0.0000036
	July		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.079	0.0000040
	August		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	September		0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0084	0.27	0.069	0.0000035
	October		0.037	0.14	0.00042	0.000035	0.81	1.1	0.00018	0.00069	0.00015	0.026	0.000037	0.0076	0.25	0.063	0.0000032
	November		0.034	0.13	0.00039	0.000032	0.75	1.00	0.00017	0.00064	0.00014	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	December		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00014	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	January	2044	0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	February		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0070	0.23	0.059	0.0000030
	March		0.034	0.13	0.00039	0.000032	0.75	0.99	0.00017	0.00064	0.00013	0.024	0.000035	0.0070	0.23	0.058	0.0000029
	April		0.033	0.13	0.00038	0.000031	0.73	0.97	0.00017	0.00063	0.00013	0.024	0.000034	0.0069	0.23	0.057	0.0000029
	May		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	June		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	July		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00099	0.00021	0.037	0.000054	0.011	0.36	0.091	0.0000046
	August		0.070	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00028	0.049	0.000071	0.014	0.47	0.12	0.0000060
	September		0.083	0.31	0.00095	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.56	0.14	0.0000072
	October		0.085	0.32	0.00097	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000087	0.018	0.58	0.15	0.0000074
	November		0.087	0.33	0.00100	**0.000083**	1.9	2.5	0.00044	0.0016	0.00035	0.062	0.000089	0.018	0.59	0.15	0.0000076
	December		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.062	0.000088	0.018	0.59	0.15	0.0000075
	January	2045	0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.061	0.000088	0.018	0.59	0.15	0.0000075
	February		0.087	0.33	0.00099	**0.000082**	1.9	2.5	0.00044	0.0016	0.00034	0.061	0.000088	0.018	0.59	0.15	0.0000075
	March		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000082	0.017	0.55	0.14	0.0000070
	April		0.066	0.25	0.00075	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	May		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.068	0.26	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	July		0.072	0.27	0.00082	**0.000068**	1.6	2.1	0.00036	0.0014	0.00029	0.051	0.000073	0.015	0.49	0.12	0.0000062
	August		0.081	0.31	0.00093	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.058	0.000083	0.017	0.55	0.14	0.0000070
	September		0.088	0.33	0.0010	**0.000084**	1.9	2.6	0.00044	0.0017	0.00035	0.063	0.000090	0.018	0.60	0.15	0.0000077

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.000092	0.0011	0.047	0.0020	0.0056	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	August		0.00013	0.0016	0.066	0.0028	0.0083	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	September		0.00014	0.0017	0.069	0.0030	0.0092	0.28	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046
	October	**2040**	0.00013	0.0016	0.065	0.0028	0.0087	0.27	0.000066	0.70	0.016	2.5	0.0067	0.000067	0.00026	0.0044
	November		0.00013	0.0016	0.066	0.0029	0.0094	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	December		0.00013	0.0016	0.066	0.0029	0.010	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	January		0.00013	0.0016	0.066	0.0029	0.011	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	February		0.00013	0.0016	0.066	0.0029	0.011	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	March		0.00012	0.0015	0.063	0.0027	0.011	0.26	0.000064	0.68	0.015	2.5	0.0064	0.000065	0.00025	0.0042
	April		0.00010	0.0013	0.051	0.0022	0.0082	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00021	0.0034
	May		0.00011	0.0013	0.055	0.0024	0.0083	0.22	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	June		0.00014	0.0017	0.069	0.0030	0.010	0.28	0.000070	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046
	July	**2041**	0.00014	0.0018	0.073	0.0032	0.011	0.30	0.000074	0.79	0.017	2.9	0.0075	0.000075	0.00029	0.0049
	August		0.000098	0.0012	0.050	0.0022	0.0062	0.21	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0033
	September		0.000092	0.0012	0.047	0.0020	0.0056	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	October		0.000096	0.0012	0.049	0.0021	0.0061	0.20	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	November		0.000093	0.0012	0.047	0.0020	0.0063	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	December		0.000093	0.0012	0.047	0.0020	0.0069	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	January		0.000093	0.0012	0.047	0.0020	0.0073	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	February		0.000093	0.0012	0.047	0.0020	0.0077	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	March		0.000090	0.0011	0.046	0.0020	0.0077	0.19	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	April		0.000078	0.00098	0.040	0.0017	0.0061	0.16	0.000041	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000081	0.0010	0.041	0.0018	0.0061	0.17	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00017	0.0028
	June	**2042**	0.000084	0.0010	0.043	0.0019	0.0057	0.18	0.000043	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	July		0.000088	0.0011	0.045	0.0019	0.0054	0.18	0.000045	0.48	0.011	1.7	0.0046	0.000046	0.00018	0.0030
	August		0.000089	0.0011	0.045	0.0020	0.0052	0.19	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	September		0.000092	0.0011	0.047	0.0020	0.0053	0.19	0.000048	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	October		0.000081	0.0010	0.041	0.0018	0.0047	0.17	0.000042	0.45	0.0099	1.6	0.0042	0.000042	0.00017	0.0028
	November		0.000080	0.00100	0.041	0.0018	0.0051	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	December		0.000080	0.00100	0.041	0.0018	0.0056	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	January		0.000080	0.00100	0.041	0.0018	0.0061	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
Operations	**February**		0.000080	0.00100	0.041	0.0018	0.0064	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	March		0.000080	0.00100	0.041	0.0018	0.0067	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	April		0.000073	0.00091	0.037	0.0016	0.0058	0.15	0.000038	0.40	0.0089	1.5	0.0038	0.000038	0.00015	0.0025
	May		0.000077	0.00096	0.039	0.0017	0.0055	0.16	0.000040	0.42	0.0094	1.5	0.0040	0.000040	0.00016	0.0026
	June	**2043**	0.000081	0.0010	0.041	0.0018	0.0053	0.17	0.000042	0.45	0.0099	1.6	0.0042	0.000042	0.00017	0.0028
	July		0.000090	0.0011	0.046	0.0020	0.0056	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	August		0.000087	0.0011	0.044	0.0019	0.0049	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0029
	September		0.000079	0.00099	0.040	0.0017	0.0043	0.17	0.000041	0.44	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	October		0.000072	0.00090	0.037	0.0016	0.0039	0.15	0.000037	0.40	0.0088	1.4	0.0037	0.000038	0.00015	0.0025
	November		0.000067	0.00084	0.034	0.0015	0.0039	0.14	0.000035	0.37	0.0082	1.3	0.0035	0.000035	0.00014	0.0023
	December		0.000067	0.00084	0.034	0.0015	0.0044	0.14	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	January		0.000067	0.00083	0.034	0.0015	0.0048	0.14	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	February		0.000067	0.00083	0.034	0.0015	0.0051	0.14	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	March		0.000067	0.00083	0.034	0.0015	0.0053	0.14	0.000035	0.37	0.0081	1.3	0.0035	0.000035	0.00014	0.0023
	April		0.000065	0.00082	0.033	0.0014	0.0047	0.14	0.000034	0.36	0.0079	1.3	0.0034	0.000034	0.00013	0.0022
	May		0.000079	0.00098	0.040	0.0017	0.0054	0.16	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	June		0.000098	0.0012	0.050	0.0022	0.0067	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	July	**2044**	0.00010	0.0013	0.053	0.0023	0.0067	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0035
	August		0.00014	0.0017	0.070	0.0030	0.0090	0.29	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0047
	September		0.00016	0.0020	0.083	0.0036	0.011	0.34	0.000085	0.90	0.020	3.2	0.0085	0.000085	0.00033	0.0056
	October		0.00017	0.0021	0.085	0.0037	0.012	0.35	0.000087	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	November		0.00017	0.0021	0.087	0.0038	0.013	0.36	0.000089	0.94	0.021	3.4	0.0089	0.000089	0.00035	0.0058
	December		0.00017	0.0021	0.087	0.0038	0.014	0.36	0.000088	0.94	0.021	3.4	0.0088	0.000089	0.00035	0.0058
	January		0.00017	0.0021	0.087	0.0038	0.014	0.36	0.000088	0.93	0.021	3.4	0.0088	0.000089	0.00035	0.0058
	February		0.00017	0.0021	0.087	0.0038	0.015	0.36	0.000088	0.93	0.021	3.4	0.0088	0.000089	0.00035	0.0058
	March		0.00016	0.0020	0.081	0.0035	0.014	0.33	0.000082	0.87	0.019	3.2	0.0083	0.000083	0.00032	0.0054
	April		0.00013	0.0016	0.066	0.0029	0.011	0.27	0.000067	0.71	0.016	2.6	0.0067	0.000067	0.00026	0.0044
	May	**2045**	0.00013	0.0016	0.065	0.0028	0.010	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	June		0.00013	0.0017	0.068	0.0029	0.010	0.28	0.000069	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	July		0.00014	0.0018	0.072	0.0031	0.011	0.30	0.000073	0.78	0.017	2.8	0.0073	0.000074	0.00029	0.0048
	August		0.00016	0.0020	0.081	0.0035	0.012	0.33	0.000083	0.88	0.019	3.2	0.0083	0.000083	0.00032	0.0054
	September		0.00017	0.0022	0.088	0.0038	0.013	0.36	0.000090	0.95	0.021	3.5	0.0090	0.000091	0.00035	0.0059

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	October	2045	0.088	0.33	0.0010	**0.000083**	1.9	2.6	0.00044	0.0017	0.00035	0.062	0.000089	0.018	0.60	0.15	0.0000076
	November		0.085	0.32	0.00097	**0.000081**	1.9	2.5	0.00043	0.0016	0.00034	0.060	0.000087	0.018	0.58	0.15	0.0000074
	December		0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000073
	January	2046	0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000083	0.017	0.55	0.14	0.0000070
	February		0.081	0.31	0.00092	**0.000077**	1.8	2.4	0.00041	0.0015	0.00032	0.057	0.000083	0.017	0.55	0.14	0.0000070
	March		0.074	0.28	0.00084	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.053	0.000075	0.015	0.50	0.13	0.0000064
	April		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	May		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	June		0.065	0.24	0.00074	**0.000061**	1.4	1.9	0.00032	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	July		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	August		0.060	0.23	0.00068	**0.000056**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.40	0.10	0.0000052
	September		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.38	0.095	0.0000048
	October		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	November		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0098	0.32	0.082	0.0000041
	December		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	January	2047	0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	February		0.047	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.033	0.000048	0.0097	0.32	0.081	0.0000041
	March		0.046	0.17	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0095	0.31	0.080	0.0000040
	April		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0086	0.29	0.072	0.0000036
	May		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.074	0.0000037
	June		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000046
	July		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	August		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	September		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	October		0.061	0.23	0.00070	**0.000058**	1.3	1.8	0.00031	0.0012	0.00024	0.043	0.000062	0.013	0.42	0.11	0.0000053
	November		0.060	0.23	0.00068	**0.000057**	1.3	1.7	0.00030	0.0011	0.00024	0.042	0.000061	0.012	0.41	0.10	0.0000052
	December		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	January	2048	0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	March		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.100	0.0000050
	April		0.054	0.21	0.00062	**0.000051**	1.2	1.6	0.00027	0.0010	0.00022	0.039	0.000055	0.011	0.37	0.094	0.0000047
	May		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	June		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000057
	July		0.059	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000060	0.012	0.40	0.10	0.0000051
	August		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00089	0.00019	0.034	0.000048	0.0098	0.32	0.082	0.0000041
	September		0.045	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000046	0.0094	0.31	0.078	0.0000039
	October		0.044	0.17	0.00050	0.000042	0.97	1.3	0.00022	0.00083	0.00017	0.031	0.000045	0.0091	0.30	0.076	0.0000038
	November		0.044	0.16	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000044	0.0090	0.30	0.075	0.0000038
	December		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.074	0.0000037
	January	2049	0.040	0.15	0.00046	0.000038	0.89	1.2	0.00020	0.00076	0.00016	0.029	0.000041	0.0083	0.27	0.070	0.0000035
	February		0.040	0.15	0.00045	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0082	0.27	0.069	0.0000035
	March		0.039	0.15	0.00044	0.000037	0.85	1.1	0.00019	0.00073	0.00015	0.027	0.000039	0.0080	0.26	0.067	0.0000034
	April		0.037	0.14	0.00043	0.000035	0.82	1.1	0.00019	0.00070	0.00015	0.026	0.000038	0.0077	0.25	0.064	0.0000032
	May		0.041	0.16	0.00047	0.000039	0.90	1.2	0.00021	0.00077	0.00016	0.029	0.000042	0.0085	0.28	0.071	0.0000036
	June		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.031	0.000045	0.0092	0.30	0.077	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.96	1.3	0.00022	0.00082	0.00017	0.031	0.000045	0.0091	0.30	0.075	0.0000038
	August		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0097	0.32	0.080	0.0000040
	September		0.044	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00083	0.00018	0.031	0.000045	0.0092	0.30	0.076	0.0000038
	October		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	November		0.036	0.14	0.00041	0.000034	0.80	1.1	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.25	0.063	0.0000032
	December		0.036	0.14	0.00041	0.000034	0.80	1.1	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.25	0.063	0.0000031
	January	2050	0.036	0.14	0.00041	0.000034	0.80	1.1	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.25	0.063	0.0000031
	February		0.036	0.14	0.00041	0.000034	0.80	1.1	0.00018	0.00068	0.00014	0.026	0.000037	0.0075	0.25	0.063	0.0000031
	March		0.036	0.14	0.00041	0.000034	0.79	1.0	0.00018	0.00068	0.00014	0.025	0.000037	0.0074	0.24	0.062	0.0000031
	April		0.033	0.12	0.00038	0.000031	0.73	0.96	0.00017	0.00062	0.00013	0.023	0.000034	0.0068	0.22	0.057	0.0000029
	May		0.034	0.13	0.00039	0.000032	0.76	1.00	0.00017	0.00065	0.00014	0.024	0.000035	0.0071	0.23	0.059	0.0000030
	June		0.038	0.14	0.00043	0.000036	0.83	1.1	0.00019	0.00071	0.00015	0.027	0.000038	0.0078	0.26	0.065	0.0000033
	July		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.36	0.093	0.0000047
	August		0.065	0.25	0.00074	**0.000061**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	September		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.42	0.11	0.0000054
	October		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	November		0.059	0.22	0.00067	**0.000056**	1.3	1.7	0.00030	0.0011	0.00023	0.042	0.000060	0.012	0.40	0.10	0.0000051
	December		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.10	0.0000050

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.00017	0.0022	0.088	0.0038	0.013	0.36	0.000089	0.95	0.021	3.4	0.0090	0.000090	0.00035	0.0059
	November	**2045**	0.00017	0.0021	0.085	0.0037	0.013	0.35	0.000087	0.92	0.020	3.3	0.0087	0.000087	0.00034	0.0057
	December		0.00016	0.0021	0.084	0.0036	0.014	0.34	0.000085	0.90	0.020	3.3	0.0085	0.000086	0.00034	0.0056
	January		0.00016	0.0020	0.081	0.0035	0.014	0.33	0.000083	0.87	0.019	3.2	0.0083	0.000083	0.00032	0.0054
	February		0.00016	0.0020	0.081	0.0035	0.014	0.33	0.000083	0.87	0.019	3.2	0.0083	0.000083	0.00032	0.0054
	March		0.00015	0.0018	0.074	0.0032	0.013	0.30	0.000075	0.80	0.018	2.9	0.0075	0.000076	0.00030	0.0050
	April		0.00013	0.0016	0.065	0.0028	0.011	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	May		0.00013	0.0016	0.065	0.0028	0.011	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	June		0.00013	0.0016	0.065	0.0028	0.010	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	July	**2046**	0.00012	0.0015	0.062	0.0027	0.0091	0.26	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	August		0.00012	0.0015	0.060	0.0026	0.0081	0.24	0.000061	0.64	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	September		0.00011	0.0014	0.055	0.0024	0.0073	0.23	0.000056	0.60	0.013	2.2	0.0056	0.000057	0.00022	0.0037
	October		0.000099	0.0012	0.050	0.0022	0.0066	0.21	0.000051	0.54	0.012	2.0	0.0051	0.000051	0.00020	0.0034
	November		0.000094	0.0012	0.048	0.0021	0.0065	0.20	0.000049	0.51	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	December		0.000093	0.0012	0.047	0.0020	0.0069	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	January		0.000093	0.0012	0.047	0.0020	0.0074	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	February		0.000093	0.0012	0.047	0.0020	0.0077	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0032
	March		0.000091	0.0011	0.046	0.0020	0.0077	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	April		0.000083	0.0010	0.042	0.0018	0.0067	0.17	0.000043	0.45	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	May		0.000084	0.0010	0.043	0.0019	0.0063	0.18	0.000043	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	June		0.00010	0.0013	0.053	0.0023	0.0075	0.22	0.000053	0.57	0.013	2.0	0.0054	0.000054	0.00021	0.0035
	July	**2047**	0.00011	0.0013	0.054	0.0024	0.0071	0.22	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
	August		0.00011	0.0013	0.054	0.0023	0.0066	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	September		0.00011	0.0014	0.058	0.0025	0.0073	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	October		0.00012	0.0015	0.061	0.0027	0.0081	0.25	0.000062	0.66	0.015	2.4	0.0062	0.000063	0.00025	0.0041
	November		0.00012	0.0015	0.060	0.0026	0.0084	0.25	0.000061	0.65	0.014	2.3	0.0061	0.000061	0.00024	0.0040
	December		0.00012	0.0014	0.059	0.0026	0.0088	0.24	0.000060	0.64	0.014	2.3	0.0060	0.000060	0.00024	0.0040
	January		0.00011	0.0014	0.058	0.0025	0.0092	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000060	0.00023	0.0039
	February		0.00011	0.0014	0.058	0.0025	0.0096	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	March		0.00011	0.0014	0.058	0.0025	0.0099	0.24	0.000059	0.62	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	April		0.00011	0.0013	0.054	0.0024	0.0093	0.22	0.000055	0.59	0.013	2.1	0.0055	0.000056	0.00022	0.0036
Operations	**May**		0.00011	0.0013	0.054	0.0023	0.0089	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	June		0.00013	0.0016	0.065	0.0028	0.011	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	July	**2048**	0.00012	0.0014	0.058	0.0025	0.0083	0.24	0.000060	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
	August		0.000093	0.0012	0.047	0.0021	0.0059	0.20	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	September		0.000089	0.0011	0.045	0.0020	0.0054	0.19	0.000046	0.49	0.011	1.8	0.0046	0.000047	0.00018	0.0030
	October		0.000086	0.0011	0.044	0.0019	0.0054	0.18	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	November		0.000086	0.0011	0.044	0.0019	0.0059	0.18	0.000044	0.47	0.010	1.7	0.0044	0.000045	0.00017	0.0029
	December		0.000084	0.0010	0.043	0.0019	0.0062	0.18	0.000043	0.46	0.010	1.7	0.0044	0.000044	0.00017	0.0029
	January		0.000079	0.00099	0.040	0.0018	0.0060	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000041	0.00016	0.0027
	February		0.000078	0.00098	0.040	0.0017	0.0062	0.16	0.000041	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	March		0.000076	0.00095	0.039	0.0017	0.0061	0.16	0.000039	0.42	0.0092	1.5	0.0039	0.000040	0.00015	0.0026
	April		0.000073	0.00091	0.037	0.0016	0.0057	0.15	0.000038	0.40	0.0089	1.5	0.0038	0.000038	0.00015	0.0025
	May		0.000081	0.0010	0.041	0.0018	0.0060	0.17	0.000042	0.44	0.0098	1.6	0.0042	0.000042	0.00016	0.0027
	June		0.000087	0.0011	0.044	0.0019	0.0060	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	July	**2049**	0.000086	0.0011	0.044	0.0019	0.0053	0.18	0.000045	0.47	0.010	1.7	0.0045	0.000045	0.00018	0.0029
	August		0.000092	0.0011	0.047	0.0020	0.0053	0.19	0.000047	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	September		0.000087	0.0011	0.044	0.0019	0.0049	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000045	0.00018	0.0030
	October		0.000079	0.00098	0.040	0.0017	0.0045	0.16	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	November		0.000071	0.00089	0.036	0.0016	0.0043	0.15	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	December		0.000071	0.00089	0.036	0.0016	0.0047	0.15	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	January		0.000071	0.00089	0.036	0.0016	0.0052	0.15	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	February		0.000071	0.00089	0.036	0.0016	0.0055	0.15	0.000037	0.39	0.0087	1.4	0.0037	0.000037	0.00015	0.0024
	March		0.000071	0.00088	0.036	0.0016	0.0057	0.15	0.000037	0.39	0.0086	1.4	0.0037	0.000037	0.00014	0.0024
	April		0.000065	0.00081	0.033	0.0014	0.0046	0.14	0.000034	0.36	0.0079	1.3	0.0034	0.000034	0.00013	0.0022
	May		0.000068	0.00084	0.034	0.0015	0.0048	0.14	0.000035	0.37	0.0082	1.3	0.0035	0.000035	0.00014	0.0023
	June		0.000074	0.00092	0.038	0.0016	0.0048	0.15	0.000038	0.41	0.0090	1.5	0.0038	0.000038	0.00015	0.0025
	July	**2050**	0.00011	0.0013	0.054	0.0023	0.0071	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	August		0.00013	0.0016	0.065	0.0028	0.0085	0.27	0.000066	0.70	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	September		0.00012	0.0015	0.062	0.0027	0.0082	0.26	0.000064	0.67	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	October		0.00012	0.0015	0.062	0.0027	0.0084	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0042
	November		0.00012	0.0014	0.059	0.0026	0.0084	0.24	0.000060	0.64	0.014	2.3	0.0060	0.000060	0.00024	0.0040
	December		0.00011	0.0014	0.058	0.0025	0.0088	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.10	0.0000050
	February		0.058	0.22	0.00066	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.39	0.10	0.0000050
	March		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	April		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00075	0.00016	0.028	0.000041	0.0082	0.27	0.069	0.0000035
	May		0.041	0.15	0.00046	0.000038	0.90	1.2	0.00020	0.00077	0.00016	0.029	0.000041	0.0084	0.28	0.070	0.0000035
	June		0.048	0.18	0.00055	0.000046	1.1	1.4	0.00024	0.00091	0.00019	0.034	0.000049	0.0100	0.33	0.083	0.0000042
	July		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.037	0.000053	0.011	0.35	0.089	0.0000045
	August		0.048	0.18	0.00054	0.000045	1.0	1.4	0.00024	0.00090	0.00019	0.034	0.000048	0.0099	0.32	0.082	0.0000041
	September		0.048	0.18	0.00054	0.000045	1.1	1.4	0.00024	0.00090	0.00019	0.034	0.000049	0.0099	0.32	0.082	0.0000041
	October		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0097	0.32	0.080	0.0000040
	November		0.046	0.18	0.00053	0.000044	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	December		0.045	0.17	0.00051	0.000042	0.99	1.3	0.00022	0.00084	0.00018	0.032	0.000046	0.0093	0.30	0.077	0.0000039
	January	**2052**	0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	February		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	March		0.045	0.17	0.00051	0.000042	0.98	1.3	0.00022	0.00084	0.00018	0.032	0.000045	0.0092	0.30	0.077	0.0000039
	April		0.040	0.15	0.00046	0.000038	0.88	1.2	0.00020	0.00076	0.00016	0.028	0.000041	0.0083	0.27	0.069	0.0000035
	May		0.042	0.16	0.00048	0.000040	0.93	1.2	0.00021	0.00079	0.00017	0.030	0.000043	0.0087	0.29	0.072	0.0000036
	June		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00093	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	July		0.052	0.20	0.00060	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.090	0.0000045
	August		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	September		0.062	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	October		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000066	0.013	0.44	0.11	0.0000056
	November		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.44	0.11	0.0000056
	December		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000056
		MINIMUM	0.033	0.12	0.00038	0.000031	0.73	0.96	0.00017	0.00062	0.00013	0.023	0.000034	0.0068	0.22	0.057	0.0000029
		MAXIMUM	0.092	0.35	0.0011	**0.000087**	2.6	3.4	0.00048	0.0052	0.0083	0.12	0.000093	0.020	0.87	0.16	0.000011
		AVERAGE	0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00030	0.0012	0.00053	0.044	0.000060	0.012	0.41	0.10	0.0000052
Decommissioning	**January**	**2053**	0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	February		0.064	0.24	0.00073	**0.000060**	1.4	1.9	0.00032	0.0012	0.00025	0.045	0.000065	0.013	0.43	0.11	0.0000055
	March		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	April		0.050	0.19	0.00057	0.000047	1.1	1.4	0.00025	0.00094	0.00020	0.035	0.000051	0.010	0.34	0.086	0.0000043
	May		0.052	0.20	0.00059	0.000049	1.1	1.5	0.00026	0.00098	0.00021	0.037	0.000053	0.011	0.35	0.089	0.0000045
	June		0.068	0.26	0.00078	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000069	0.014	0.46	0.12	0.0000059
	July		0.084	0.32	0.00096	**0.000079**	1.8	2.4	0.00042	0.0016	0.00033	0.059	0.000085	0.017	0.57	0.14	0.0000073
	August		0.088	0.33	0.00100	**0.000083**	1.9	2.5	0.00044	0.0016	0.00035	0.062	0.000089	0.018	0.59	0.15	0.0000076
	September		0.063	0.24	0.00072	**0.000059**	1.4	1.8	0.00032	0.0012	0.00025	0.045	0.000064	0.013	0.43	0.11	0.0000054
	October		0.056	0.21	0.00064	**0.000053**	1.2	1.6	0.00028	0.0011	0.00022	0.040	0.000057	0.012	0.38	0.096	0.0000049
	November		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	December		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	January	**2054**	0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	February		0.054	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000055	0.011	0.37	0.093	0.0000047
	March		0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	April		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00024	0.00088	0.00019	0.033	0.000048	0.0096	0.32	0.081	0.0000041
	May		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.032	0.000047	0.0094	0.31	0.079	0.0000040
	June		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00031	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	July		0.074	0.28	0.00084	**0.000070**	1.6	2.2	0.00037	0.0014	0.00029	0.052	0.000075	0.015	0.50	0.13	0.0000064
	August		0.067	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0013	0.00026	0.047	0.000068	0.014	0.45	0.11	0.0000058
	September		0.067	0.25	0.00077	**0.000063**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	October		0.067	0.25	0.00077	**0.000064**	1.5	2.0	0.00034	0.0013	0.00027	0.048	0.000068	0.014	0.46	0.12	0.0000058
	November		0.063	0.24	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000064	0.013	0.43	0.11	0.0000054
	December		0.062	0.23	0.00071	**0.000059**	1.4	1.8	0.00031	0.0012	0.00025	0.044	0.000063	0.013	0.42	0.11	0.0000054
	January	**2055**	0.062	0.23	0.00071	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000054
	February		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	March		0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	April		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000052	0.010	0.34	0.087	0.0000044
	May		0.047	0.18	0.00053	0.000044	1.0	1.4	0.00023	0.00088	0.00018	0.033	0.000047	0.0096	0.32	0.080	0.0000040
	June		0.049	0.19	0.00056	0.000046	1.1	1.4	0.00025	0.00092	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	July		0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.073	0.0000037
	August		0.049	0.19	0.00056	0.000047	1.1	1.4	0.00025	0.00093	0.00019	0.035	0.000050	0.010	0.33	0.085	0.0000043
	September		0.053	0.20	0.00061	0.000050	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	October		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	November		0.051	0.19	0.00058	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	December		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.00011	0.0014	0.058	0.0025	0.0093	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	February		0.00011	0.0014	0.058	0.0025	0.0098	0.24	0.000059	0.63	0.014	2.3	0.0059	0.000059	0.00023	0.0039
	March		0.00011	0.0013	0.055	0.0024	0.0094	0.23	0.000056	0.59	0.013	2.2	0.0056	0.000056	0.00022	0.0037
	April		0.000079	0.00098	0.040	0.0017	0.0055	0.16	0.000041	0.43	0.0095	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000080	0.00100	0.041	0.0018	0.0053	0.17	0.000041	0.44	0.0097	1.6	0.0041	0.000042	0.00016	0.0027
	June		0.000095	0.0012	0.048	0.0021	0.0062	0.20	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	July		0.00010	0.0013	0.052	0.0022	0.0064	0.21	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	August		0.000093	0.0012	0.048	0.0021	0.0055	0.20	0.000048	0.51	0.011	1.9	0.0048	0.000049	0.00019	0.0032
	September		0.000094	0.0012	0.048	0.0021	0.0056	0.20	0.000049	0.52	0.011	1.9	0.0049	0.000049	0.00019	0.0032
	October		0.000092	0.0011	0.047	0.0020	0.0057	0.19	0.000047	0.50	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	November		0.000091	0.0011	0.046	0.0020	0.0060	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	December		0.000088	0.0011	0.045	0.0019	0.0062	0.18	0.000046	0.48	0.011	1.7	0.0046	0.000046	0.00018	0.0030
	January	**2052**	0.000088	0.0011	0.045	0.0019	0.0067	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	February		0.000088	0.0011	0.045	0.0019	0.0071	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	March		0.000087	0.0011	0.044	0.0019	0.0074	0.18	0.000045	0.48	0.011	1.7	0.0045	0.000046	0.00018	0.0030
	April		0.000079	0.00098	0.040	0.0017	0.0060	0.16	0.000041	0.43	0.0096	1.6	0.0041	0.000041	0.00016	0.0027
	May		0.000083	0.0010	0.042	0.0018	0.0058	0.17	0.000043	0.45	0.010	1.6	0.0043	0.000043	0.00017	0.0028
	June		0.000098	0.0012	0.050	0.0022	0.0067	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	July		0.00010	0.0013	0.052	0.0023	0.0066	0.21	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	August		0.00011	0.0013	0.054	0.0023	0.0066	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	September		0.00012	0.0015	0.062	0.0027	0.0079	0.26	0.000063	0.67	0.015	2.4	0.0063	0.000064	0.00025	0.0042
	October		0.00013	0.0016	0.064	0.0028	0.0086	0.26	0.000066	0.69	0.015	2.5	0.0066	0.000066	0.00026	0.0043
	November		0.00013	0.0016	0.064	0.0028	0.0092	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	December		0.00013	0.0016	0.064	0.0028	0.0098	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
		MINIMUM	0.000065	0.00081	0.033	0.0014	0.0039	0.14	0.000034	0.36	0.0079	1.3	0.0034	0.000034	0.00013	0.0022
		MAXIMUM	0.00039	0.0036	0.095	0.0057	0.017	0.82	0.00020	1.1	0.026	4.9	0.010	0.0031	0.00041	0.0070
		AVERAGE	0.00012	0.0015	0.059	0.0026	0.0088	0.26	0.000064	0.64	0.014	2.3	0.0060	0.00017	0.00024	0.0040
	January	**2053**	0.00013	0.0016	0.064	0.0028	0.010	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	February		0.00013	0.0016	0.064	0.0028	0.011	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	March		0.00012	0.0015	0.062	0.0027	0.011	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	April		0.000098	0.0012	0.050	0.0022	0.0078	0.20	0.000051	0.54	0.012	1.9	0.0051	0.000051	0.00020	0.0033
	May		0.00010	0.0013	0.052	0.0023	0.0077	0.21	0.000053	0.56	0.012	2.0	0.0053	0.000053	0.00021	0.0035
	June		0.00013	0.0017	0.068	0.0030	0.010	0.28	0.000069	0.73	0.016	2.7	0.0069	0.000070	0.00027	0.0046
	July		0.00016	0.0021	0.084	0.0036	0.012	0.34	0.000085	0.90	0.020	3.3	0.0085	0.000086	0.00034	0.0056
	August		0.00017	0.0021	0.088	0.0038	0.013	0.36	0.000089	0.95	0.021	3.4	0.0089	0.000090	0.00035	0.0059
	September		0.00012	0.0015	0.063	0.0027	0.0085	0.26	0.000064	0.68	0.015	2.5	0.0064	0.000064	0.00025	0.0042
	October		0.00011	0.0014	0.056	0.0024	0.0075	0.23	0.000057	0.60	0.013	2.2	0.0057	0.000057	0.00022	0.0037
	November		0.00011	0.0013	0.054	0.0023	0.0076	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	December		0.00011	0.0013	0.054	0.0023	0.0081	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
Decommissioning	**January**	**2054**	0.00011	0.0013	0.054	0.0023	0.0086	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	February		0.00011	0.0013	0.054	0.0023	0.0090	0.22	0.000055	0.58	0.013	2.1	0.0055	0.000055	0.00022	0.0036
	March		0.00010	0.0013	0.053	0.0023	0.0091	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	April		0.000092	0.0011	0.047	0.0020	0.0076	0.19	0.000048	0.51	0.011	1.8	0.0048	0.000048	0.00019	0.0031
	May		0.000090	0.0011	0.046	0.0020	0.0067	0.19	0.000047	0.49	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	June		0.00012	0.0015	0.061	0.0026	0.0089	0.25	0.000062	0.66	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	July		0.00015	0.0018	0.074	0.0032	0.011	0.30	0.000075	0.80	0.018	2.9	0.0075	0.000076	0.00030	0.0050
	August		0.00013	0.0016	0.067	0.0029	0.0089	0.27	0.000068	0.72	0.016	2.6	0.0068	0.000068	0.00027	0.0045
	September		0.00013	0.0016	0.067	0.0029	0.0090	0.28	0.000068	0.72	0.016	2.6	0.0068	0.000069	0.00027	0.0045
	October		0.00013	0.0016	0.067	0.0029	0.0093	0.28	0.000068	0.73	0.016	2.6	0.0069	0.000069	0.00027	0.0045
	November		0.00012	0.0015	0.063	0.0027	0.0090	0.26	0.000064	0.68	0.015	2.4	0.0064	0.000064	0.00025	0.0042
	December		0.00012	0.0015	0.062	0.0027	0.0095	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	January	**2055**	0.00012	0.0015	0.062	0.0027	0.0100	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	February		0.00012	0.0015	0.062	0.0027	0.010	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	March		0.00012	0.0015	0.062	0.0027	0.011	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	April		0.000100	0.0012	0.051	0.0022	0.0081	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	May		0.000092	0.0011	0.047	0.0020	0.0069	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000048	0.00019	0.0031
	June		0.000096	0.0012	0.049	0.0021	0.0069	0.20	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	July		0.000084	0.0010	0.043	0.0019	0.0050	0.18	0.000043	0.46	0.010	1.7	0.0043	0.000044	0.00017	0.0029
	August		0.000097	0.0012	0.049	0.0021	0.0058	0.20	0.000050	0.53	0.012	1.9	0.0050	0.000050	0.00020	0.0033
	September		0.00010	0.0013	0.053	0.0023	0.0064	0.22	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	October		0.00010	0.0013	0.053	0.0023	0.0067	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	November		0.000099	0.0012	0.051	0.0022	0.0068	0.21	0.000051	0.55	0.012	2.0	0.0052	0.000052	0.00020	0.0034
	December		0.000099	0.0012	0.050	0.0022	0.0073	0.21	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	January		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	February		0.050	0.19	0.00057	0.000048	1.1	1.5	0.00025	0.00095	0.00020	0.036	0.000051	0.010	0.34	0.087	0.0000044
	March		0.045	0.17	0.00052	0.000043	1.00	1.3	0.00023	0.00085	0.00018	0.032	0.000046	0.0093	0.31	0.078	0.0000039
	April		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00086	0.00018	0.033	0.000047	0.0094	0.31	0.079	0.0000040
	May		0.053	0.20	0.00060	0.000050	1.2	1.5	0.00026	0.00099	0.00021	0.037	0.000053	0.011	0.36	0.090	0.0000046
	June	**2056**	0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000053
	July		0.065	0.25	0.00074	**0.000062**	1.4	1.9	0.00033	0.0012	0.00026	0.046	0.000066	0.013	0.44	0.11	0.0000056
	August		0.064	0.24	0.00073	**0.000061**	1.4	1.9	0.00032	0.0012	0.00025	0.046	0.000065	0.013	0.44	0.11	0.0000056
	September		0.051	0.19	0.00059	0.000049	1.1	1.5	0.00026	0.00097	0.00020	0.036	0.000052	0.011	0.35	0.088	0.0000044
	October		0.053	0.20	0.00061	0.000050	1.2	1.5	0.00027	0.00100	0.00021	0.038	0.000054	0.011	0.36	0.091	0.0000046
	November		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
Decommissioning	**December**		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	January		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	February		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	March		0.055	0.21	0.00063	**0.000052**	1.2	1.6	0.00028	0.0010	0.00022	0.039	0.000056	0.011	0.37	0.095	0.0000048
	April		0.046	0.17	0.00052	0.000043	1.0	1.3	0.00023	0.00087	0.00018	0.033	0.000047	0.0094	0.31	0.079	0.0000040
	May		0.053	0.20	0.00061	0.000051	1.2	1.6	0.00027	0.0010	0.00021	0.038	0.000054	0.011	0.36	0.092	0.0000046
	June		0.066	0.25	0.00076	**0.000063**	1.5	1.9	0.00033	0.0012	0.00026	0.047	0.000067	0.014	0.45	0.11	0.0000057
	July	**2057**	0.062	0.23	0.00070	**0.000058**	1.4	1.8	0.00031	0.0012	0.00024	0.044	0.000063	0.013	0.42	0.11	0.0000054
	August		0.061	0.23	0.00069	**0.000057**	1.3	1.8	0.00030	0.0011	0.00024	0.043	0.000062	0.012	0.41	0.10	0.0000053
	September		0.069	0.26	0.00079	**0.000066**	1.5	2.0	0.00035	0.0013	0.00027	0.049	0.000071	0.014	0.47	0.12	0.0000060
	October		0.077	0.29	0.00088	**0.000073**	1.7	2.2	0.00039	0.0014	0.00030	0.055	0.000078	0.016	0.52	0.13	0.0000067
	November		0.078	0.29	0.00089	**0.000074**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
	December		0.078	0.29	0.00089	**0.000073**	1.7	2.3	0.00039	0.0015	0.00031	0.055	0.000079	0.016	0.53	0.13	0.0000067
		MINIMUM	0.043	0.16	0.00049	0.000040	0.94	1.2	0.00021	0.00080	0.00017	0.030	0.000043	0.0088	0.29	0.073	0.0000037
		MAXIMUM	0.088	0.33	0.00100	**0.000083**	1.9	2.5	0.00044	0.0016	0.00035	0.062	0.000089	0.018	0.59	0.15	0.0000076
		AVERAGE	0.058	0.22	0.00067	**0.000055**	1.3	1.7	0.00029	0.0011	0.00023	0.041	0.000059	0.012	0.40	0.10	0.0000051
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2058**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
Reclamation	**June**	**2059**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June	**2060**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.000099	0.0012	0.050	0.0022	0.0078	0.21	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	February		0.000099	0.0012	0.050	0.0022	0.0082	0.21	0.000051	0.54	0.012	2.0	0.0051	0.000052	0.00020	0.0034
	March		0.000089	0.0011	0.045	0.0020	0.0071	0.19	0.000046	0.49	0.011	1.8	0.0046	0.000046	0.00018	0.0030
	April		0.000090	0.0011	0.046	0.0020	0.0071	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	May		0.00010	0.0013	0.052	0.0023	0.0081	0.22	0.000053	0.57	0.013	2.0	0.0054	0.000054	0.00021	0.0035
	June		0.00012	0.0015	0.062	0.0027	0.0093	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	July		0.00013	0.0016	0.065	0.0028	0.0091	0.27	0.000066	0.70	0.016	2.5	0.0066	0.000067	0.00026	0.0044
	August		0.00013	0.0016	0.064	0.0028	0.0086	0.26	0.000065	0.69	0.015	2.5	0.0065	0.000066	0.00026	0.0043
	September		0.00010	0.0013	0.051	0.0022	0.0064	0.21	0.000052	0.55	0.012	2.0	0.0052	0.000053	0.00021	0.0034
	October		0.00010	0.0013	0.053	0.0023	0.0069	0.22	0.000054	0.57	0.013	2.1	0.0054	0.000054	0.00021	0.0036
	November		0.00011	0.0013	0.055	0.0024	0.0077	0.23	0.000056	0.59	0.013	2.1	0.0056	0.000056	0.00022	0.0037
	December		0.00011	0.0014	0.055	0.0024	0.0083	0.23	0.000056	0.60	0.013	2.2	0.0056	0.000056	0.00022	0.0037
	January	**2057**	0.00011	0.0014	0.055	0.0024	0.0088	0.23	0.000056	0.60	0.013	2.2	0.0056	0.000056	0.00022	0.0037
	February		0.00011	0.0014	0.055	0.0024	0.0092	0.23	0.000056	0.60	0.013	2.2	0.0056	0.000056	0.00022	0.0037
	March		0.00011	0.0014	0.055	0.0024	0.0096	0.23	0.000056	0.60	0.013	2.2	0.0056	0.000056	0.00022	0.0037
	April		0.000090	0.0011	0.046	0.0020	0.0073	0.19	0.000047	0.50	0.011	1.8	0.0047	0.000047	0.00018	0.0031
	May		0.00011	0.0013	0.053	0.0023	0.0084	0.22	0.000054	0.58	0.013	2.1	0.0054	0.000055	0.00021	0.0036
	June		0.00013	0.0016	0.066	0.0029	0.011	0.27	0.000067	0.71	0.016	2.6	0.0068	0.000068	0.00027	0.0044
	July		0.00012	0.0015	0.062	0.0027	0.0089	0.25	0.000063	0.67	0.015	2.4	0.0063	0.000063	0.00025	0.0041
	August		0.00012	0.0015	0.061	0.0026	0.0081	0.25	0.000062	0.65	0.014	2.4	0.0062	0.000062	0.00024	0.0041
	September		0.00014	0.0017	0.069	0.0030	0.0095	0.29	0.000071	0.75	0.017	2.7	0.0071	0.000071	0.00028	0.0046
	October		0.00015	0.0019	0.077	0.0033	0.011	0.32	0.000078	0.83	0.018	3.0	0.0078	0.000079	0.00031	0.0052
	November		0.00015	0.0019	0.078	0.0034	0.012	0.32	0.000079	0.84	0.019	3.0	0.0079	0.000080	0.00031	0.0052
	December		0.00015	0.0019	0.078	0.0034	0.012	0.32	0.000079	0.84	0.019	3.0	0.0079	0.000079	0.00031	0.0052
		MINIMUM	0.000084	0.0010	0.043	0.0019	0.0050	0.18	0.000043	0.46	0.010	1.7	0.0043	0.000044	0.00017	0.0029
		MAXIMUM	0.00017	0.0021	0.088	0.0038	0.013	0.36	0.000089	0.95	0.021	3.4	0.0089	0.000090	0.00035	0.0059
		AVERAGE	0.00011	0.0014	0.058	0.0025	0.0087	0.24	0.000059	0.63	0.014	2.3	0.0060	0.000060	0.00023	0.0039
Reclamation	**January**	**2058**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2059**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2060**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	January	2061	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2062	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2063	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2064	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2065	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	2066	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January	**2061**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2062**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2063**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
Reclamation	**August**		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2064**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2065**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2066**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface Runoff Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	January	**2067**	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	February		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	March		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	April		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	May		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	June		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	July		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	August		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	September		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	October		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	November		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
	December		0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MINIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		MAXIMUM	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045
		AVERAGE	0.053	0.20	0.00060	0.000050	0.85	1.5	0.00025	0.0010	0.00020	0.030	0.000050	0.010	0.25	0.090	0.0000045

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-16: Scenario 14: Alternative Waste Rock Storage Area Scenario - West Surface

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	January	**2067**	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	February		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	March		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	April		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	May		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	June		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	July		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	September		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	October		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	November		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
	December		0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MINIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		MAXIMUM	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.00010	0.0013	0.045	0.0016	0.0025	0.19	0.000050	0.45	0.0100	1.9	0.0050	0.000050	0.00020	0.0035

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	May		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	June		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	July		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	October		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	2026	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000031	1.7	0.000012	0.00000016	1.6	0.49	0.0000016	0.00000054	0.0000012	0.00069	0.00000038	0.29	0.58	0.00019	0.0000023
	May		0.0000049	4.2	0.000014	0.00000014	3.1	0.81	0.00000026	0.00000027	0.0000004	0.00010	5.6E-08	0.35	1.1	0.000061	0.0000033
	June		0.0000013	3.1	0.000028	0.00000028	2.3	0.94	6.8E-08	0.00000032	0.00000053	0.000019	1.0E-08	0.69	0.86	0.000043	0.0000050
	July		0.00000098	3.6	0.000054	0.00000056	2.7	1.5	4.6E-08	0.00000057	0.0000010	0.0000034	1.7E-09	1.4	1.1	0.000061	0.0000091
	August		0.00000085	2.2	0.000058	0.00000061	1.6	1.5	3.7E-08	0.00000057	0.0000011	0.00000088	4.5E-10	1.5	0.74	0.000054	0.0000093
	September		0.00000075	2.2	0.000038	0.00000039	1.5	1.1	2.8E-08	0.00000046	0.00000069	0.0000008	4.0E-10	0.93	0.63	0.000047	0.0000065
	October		0.00000086	3.9	0.000033	0.00000034	2.5	1.2	3.3E-08	0.0000005	0.0000006	0.0000013	5.9E-10	0.80	0.96	0.000057	0.0000063
	November		0.0000004	5.4	0.000011	0.00000012	3.2	0.80	2.5E-08	0.00000021	0.00000021	0.0000016	6.0E-10	0.28	1.1	0.000037	0.0000031
	December		0.00000025	5.9	0.0000045	4.3E-08	3.5	0.65	2.3E-08	0.00000011	8.1E-08	0.0000017	6.1E-10	0.11	1.2	0.000030	0.0000020
	January	2027	0.00000031	6.6	0.0000097	9.8E-08	3.2	0.72	2.3E-08	0.00000015	0.00000018	0.0000016	5.7E-10	0.24	1.1	0.000032	0.0000027
	February		0.00000039	5.6	0.000017	0.00000018	2.4	0.76	2.3E-08	0.00000022	0.00000032	0.0000012	4.6E-10	0.43	0.87	0.000032	0.0000036
	March		0.00000054	6.6	0.000029	0.0000003	3.2	1.1	3.3E-08	0.00000032	0.00000054	0.0000016	6.3E-10	0.73	1.2	0.000045	0.0000056
	April		0.00000058	3.6	0.000033	0.00000034	1.9	1.0	2.7E-08	0.00000036	0.00000061	0.00000096	4.2E-10	0.81	0.75	0.000040	0.0000057
	May		0.00000087	3.8	0.000039	0.0000004	2.2	1.3	3.3E-08	0.00000052	0.00000071	0.0000011	5.3E-10	0.95	0.86	0.000056	0.0000070
	June		0.00000075	4.8	0.000040	0.00000041	2.5	1.3	3.5E-08	0.00000046	0.00000073	0.0000013	5.6E-10	0.98	0.99	0.000052	0.0000071
	July		0.0000009	4.0	0.000068	0.00000071	2.2	1.7	4.5E-08	0.00000062	0.0000013	0.0000011	5.4E-10	1.7	0.98	0.000060	0.000011
	August		0.00000094	3.2	0.000041	0.00000043	1.9	1.3	3.3E-08	0.00000056	0.00000076	0.00000099	5.0E-10	1.0	0.77	0.000058	0.0000074
	September		0.00000065	5.5	0.000021	0.00000021	2.4	0.95	2.6E-08	0.00000036	0.00000038	0.0000012	5.2E-10	0.51	0.88	0.000045	0.0000044
	October		0.00000051	3.8	0.000026	0.00000027	2.2	0.91	2.6E-08	0.00000031	0.00000048	0.0000011	4.5E-10	0.65	0.82	0.000037	0.0000048
	November		0.00000054	4.3	0.000025	0.00000026	2.2	0.93	2.6E-08	0.00000032	0.00000047	0.0000011	4.7E-10	0.63	0.85	0.000039	0.0000048
	December		0.00000047	6.9	0.000018	0.00000019	2.9	0.89	2.7E-08	0.00000026	0.00000033	0.0000015	5.7E-10	0.44	1.1	0.000039	0.0000040
	January	2028	0.000011	6.8	0.0000018	2.8E-08	2.2	0.38	0.00000057	0.00000018	0.00000038	0.00024	0.00000013	0.047	0.75	0.000073	0.0000011
	February		0.00000012	10	0.00000063	3.7E-09	3.5	0.57	1.5E-08	4.3E-08	1.0E-08	0.0000013	4.4E-10	0.021	1.2	0.000019	0.0000014
	March		0.00000012	9.7	0.00000052	2.5E-09	3.5	0.57	1.5E-08	4.1E-08	8.0E-09	0.0000013	4.3E-10	0.014	1.2	0.000019	0.0000014
	April		0.0000048	8.5	0.000031	0.00000024	5.7	10	0.00000031	0.000037	0.0000065	0.00011	5.7E-08	0.48	2.3	0.000074	0.000040
	May		0.0000011	4.4	0.000061	0.0000003	12	40	0.00000023	0.00014	0.000023	0.000044	7.1E-09	0.41	5.3	0.00012	0.00015
	June		0.00000051	6.4	0.000056	0.00000028	12	37	0.00000018	0.00012	0.000021	0.000029	6.0E-10	0.39	4.9	0.00011	0.00014
	July		0.000069	2.9	0.000034	0.00000026	6.7	22	0.0000036	0.000070	0.000014	0.0016	0.00000084	0.28	2.9	0.00043	0.000084
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		3.8E-08	1.3	0.0000054	2.4E-08	2.2	7.4	1.8E-08	0.000013	0.0000021	0.0000030	6.0E-11	0.063	0.96	0.000011	0.000028
	October		0.0000002	9.0	0.000025	0.00000012	11	32	8.5E-08	0.000055	0.0000091	0.000013	4.1E-10	0.31	4.5	0.000052	0.00012
	November		0.00000021	8.1	0.000023	0.00000011	7.6	19	8.4E-08	0.000053	0.0000087	0.000013	4.7E-10	0.16	3.1	0.000053	0.000073
	December		0.00000014	11	0.0000021	9.7E-09	4.6	3.5	2.2E-08	0.0000038	0.00000063	0.0000022	4.9E-10	0.035	1.7	0.000024	0.000012
		MINIMUM	3.8E-08	1.3	0.00000052	2.5E-09	1.5	0.38	1.5E-08	4.1E-08	8.0E-09	0.0000008	6.0E-11	0.014	0.58	0.000011	0.0000011
		MAXIMUM	0.000069	11	0.000068	0.00000071	12	40	0.0000036	0.00014	0.000023	0.0016	0.00000084	1.7	5.3	0.00043	0.00015
		AVERAGE	0.0000042	5.3	0.000027	0.00000024	3.8	6.0	0.00000024	0.000016	0.0000030	0.000089	4.7E-08	0.55	1.5	0.000065	0.000024
Operations	January	2029	0.098	6.0	0.034	0.0000062	428	51	0.00031	0.0033	0.0032	0.021	0.000061	0.14	61	0.012	0.000011
	February		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000010
	March		0.11	5.2	0.037	0.0000068	456	66	0.00034	0.0036	0.0035	0.023	0.000067	0.21	74	0.013	0.000031
	April		0.069	3.7	0.024	0.0000046	359	67	0.00022	0.0024	0.0023	0.015	0.000043	0.49	50	0.0083	0.00012
	May		0.091	4.9	0.031	0.0000059	456	85	0.00028	0.0032	0.0030	0.020	0.000057	0.36	68	0.011	0.00013
	June		0.095	4.7	0.033	0.0000062	457	86	0.00030	0.0033	0.0031	0.021	0.000059	0.43	70	0.011	0.00013
	July		0.10	4.9	0.035	0.0000065	458	84	0.00031	0.0035	0.0033	0.022	0.000063	0.43	72	0.012	0.00011
	August		0.096	4.7	0.033	0.0000062	457	87	0.00030	0.0033	0.0031	0.021	0.000060	0.46	69	0.011	0.00014
	September		0.091	4.5	0.031	0.0000060	456	86	0.00028	0.0032	0.0030	0.020	0.000057	0.47	67	0.011	0.00014
	October		0.11	5.2	0.037	0.0000069	456	83	0.00034	0.0037	0.0035	0.023	0.000067	0.33	78	0.013	0.000089
	November		0.11	5.2	0.037	0.0000068	456	68	0.00034	0.0036	0.0035	0.023	0.000067	0.22	76	0.013	0.000035
	December		0.11	5.2	0.037	0.0000067	456	61	0.00034	0.0036	0.0035	0.023	0.000067	0.16	74	0.013	0.000010

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Efflue

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	May		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	June		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	July	**2025**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	October		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0046	0.00000068	2.0	0.0056	0.32	0.00025	0.0000011	3.2	0.016	2.5	0.0037	0.000063	0.0000012	0.0000075
	May		0.0053	0.00000024	4.9	0.0093	0.37	0.00025	0.00000097	4.2	0.029	3.4	0.0061	0.000073	0.00000019	0.0000027
	June		0.011	0.00000023	3.6	**0.010**	0.75	0.00050	0.0000015	7.1	0.025	5.3	0.0067	0.00015	5.4E-08	0.0000023
	July	**2026**	0.022	0.00000038	4.2	**0.017**	1.5	0.00099	0.0000027	13	0.033	9.8	0.011	0.00030	4.1E-08	0.0000038
	August		0.024	0.00000037	2.5	**0.016**	1.6	0.0011	0.0000028	14	0.026	10	0.0098	0.00032	3.7E-08	0.0000036
	September		0.015	0.00000032	2.5	**0.011**	1.0	0.00068	0.0000019	9.2	0.021	6.8	0.0072	0.00021	2.6E-08	0.0000028
	October		0.013	0.00000036	4.5	**0.012**	0.87	0.00058	0.0000017	8.4	0.028	6.4	0.0081	0.00018	2.7E-08	0.0000030
	November		0.0043	0.00000016	6.3	0.0090	0.29	0.00020	0.00000081	3.7	0.029	3.1	0.0059	0.000059	1.7E-08	0.0000017
Construction	**December**		0.0015	9.1E-08	6.9	0.0081	0.11	0.000075	0.00000051	2.2	0.030	2.1	0.0052	0.000021	1.4E-08	0.0000013
	January		0.0037	0.00000012	7.8	0.0086	0.25	0.00017	0.00000073	3.3	0.029	2.8	0.0055	0.000050	1.6E-08	0.0000015
	February		0.0069	0.00000016	6.5	0.0086	0.45	0.00031	0.0000010	4.9	0.024	3.8	0.0055	0.000094	1.7E-08	0.0000017
	March		0.012	0.00000022	7.8	**0.013**	0.77	0.00053	0.0000016	7.9	0.033	6.0	0.0081	0.00016	2.7E-08	0.0000025
	April		0.013	0.00000025	4.2	**0.011**	0.88	0.00059	0.0000017	8.3	0.023	6.1	0.0069	0.00018	2.4E-08	0.0000024
	May		0.015	0.00000037	4.4	**0.013**	1.0	0.00069	0.0000020	9.6	0.026	7.2	0.0083	0.00021	2.9E-08	0.0000032
	June		0.016	0.00000032	5.6	**0.014**	1.1	0.00071	0.0000021	10	0.030	7.5	0.0087	0.00022	3.0E-08	0.0000031
	July	**2027**	0.028	0.00000039	4.5	**0.019**	1.9	0.0012	0.0000033	17	0.033	12	0.012	0.00038	4.3E-08	0.0000042
	August		0.016	0.0000004	3.6	**0.012**	1.1	0.00074	0.0000021	10	0.025	7.6	0.0084	0.00022	3.0E-08	0.0000033
	September		0.0081	0.00000027	6.4	0.0092	0.55	0.00037	0.0000012	5.6	0.024	4.4	0.0063	0.00011	2.0E-08	0.0000023
	October		0.010	0.00000021	4.4	0.0100	0.70	0.00047	0.0000014	6.8	0.024	5.1	0.0064	0.00014	2.2E-08	0.0000021
	November		0.010	0.00000022	5.0	0.0100	0.68	0.00046	0.0000014	6.7	0.024	5.0	0.0064	0.00014	2.2E-08	0.0000022
	December		0.0071	0.00000019	8.1	0.0099	0.47	0.00032	0.0000011	5.2	0.028	4.1	0.0064	0.000096	2.0E-08	0.0000020
	January		0.00049	0.00000024	8.0	0.0049	0.045	0.000037	0.00000035	1.2	0.019	1.1	0.0031	0.0000069	0.00000043	0.0000028
	February		0.000044	4.0E-08	12	0.0075	0.013	0.0000067	0.00000025	1.4	0.030	1.5	0.0048	0.0000008	8.9E-09	0.00000073
	March		0.0000016	3.9E-08	11	0.0074	0.0049	0.0000048	0.00000025	1.4	0.030	1.4	0.0047	0.00000022	8.8E-09	0.00000072
	April		0.0071	0.000011	10	**0.020**	0.51	0.00040	0.0000082	5.7	0.050	18	0.021	0.00023	0.00000024	0.000020
	May		0.0047	0.000040	5.2	**0.045**	0.42	0.00049	0.000028	4.9	0.097	62	0.064	0.00059	0.00000022	0.000068
	June		0.0049	0.000035	7.4	**0.042**	0.40	0.00047	0.000025	4.7	0.092	57	0.059	0.00053	0.00000018	0.000061
	July	**2028**	0.0033	0.000021	3.4	**0.025**	0.29	0.00037	0.000015	3.2	0.053	34	0.035	0.00031	0.0000028	0.000048
	August		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	September		0.00032	0.0000036	1.5	0.0081	0.063	0.000041	0.0000026	0.77	0.018	11	0.012	0.000053	1.8E-08	0.0000063
	October		0.0020	0.000016	11	**0.037**	0.31	0.00021	0.000011	4.1	0.085	49	0.052	0.00023	8.0E-08	0.000027
	November		0.0015	0.000015	9.5	**0.024**	0.16	0.00018	0.000011	2.6	0.061	30	0.032	0.00022	7.8E-08	0.000026
	December		0.000088	0.0000011	13	**0.011**	0.026	0.000017	0.0000010	1.7	0.038	5.9	0.0095	0.000015	1.5E-08	0.0000026
		MINIMUM	0.0000016	3.9E-08	1.5	0.0049	0.0049	0.0000048	0.00000025	0.77	0.016	1.1	0.0031	0.00000022	8.8E-09	0.00000072
		MAXIMUM	0.028	0.000040	13	**0.045**	1.9	0.0012	0.000028	17	0.097	62	0.064	0.00059	0.0000028	0.000068
		AVERAGE	0.0085	0.0000046	6.2	**0.015**	0.59	0.00042	0.0000043	6.0	0.035	12	0.014	0.00017	0.00000019	0.000010
	January		0.0037	0.0086	7.0	**0.017**	0.14	0.11	0.00049	831	0.30	**2722**	0.83	0.011	0.0017	0.0015
	February		0.0040	0.0094	6.2	**0.018**	0.16	0.13	0.00054	885	0.35	**2900**	1.0	0.012	0.0018	0.0016
	March		0.0047	0.0094	6.1	**0.023**	0.21	0.13	0.00054	885	0.36	**2900**	1.0	0.012	0.0018	0.0016
	April		0.0073	0.0061	4.4	**0.041**	0.50	0.081	0.00036	697	0.28	**2285**	0.68	0.0082	0.0012	0.0011
	May		0.0054	0.0080	5.7	**0.046**	0.36	0.11	0.00048	886	0.37	**2902**	0.93	0.011	0.0015	0.0014
Operations	**June**	**2029**	0.0070	0.0083	5.5	**0.048**	0.44	0.11	0.00050	887	0.38	**2907**	0.95	0.011	0.0016	0.0015
	July		0.0074	0.0088	5.8	**0.043**	0.44	0.12	0.00052	888	0.38	**2910**	0.99	0.012	0.0017	0.0016
	August		0.0073	0.0084	5.5	**0.049**	0.46	0.11	0.00050	887	0.38	**2906**	0.94	0.011	0.0016	0.0015
	September		0.0074	0.0080	5.3	**0.049**	0.48	0.11	0.00048	885	0.37	**2901**	0.91	0.011	0.0015	0.0014
	October		0.0061	0.0094	6.1	**0.038**	0.33	0.13	0.00055	885	0.40	**2900**	1.1	0.013	0.0018	0.0017
	November		0.0048	0.0094	6.1	**0.024**	0.22	0.13	0.00054	885	0.37	**2900**	1.0	0.013	0.0018	0.0016
	December		0.0040	0.0094	6.2	**0.018**	0.16	0.13	0.00054	885	0.35	**2900**	1.0	0.012	0.0018	0.0016

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	0.11	4.8	0.039	0.0000071	454	56	0.00035	0.0038	0.0037	0.025	0.000071	0.16	65	0.014	0.000017
	February		0.11	4.7	0.039	0.0000072	454	56	0.00036	0.0039	0.0037	0.025	0.000071	0.20	63	0.014	0.000028
	March		0.11	4.8	0.039	0.0000073	456	61	0.00036	0.0039	0.0037	0.025	0.000072	0.21	65	0.014	0.000044
	April		0.097	4.0	0.033	0.0000063	455	72	0.00030	0.0034	0.0032	0.021	0.000061	0.41	55	0.012	0.00012
	May		0.10	4.2	0.035	0.0000066	457	73	0.00032	0.0035	0.0033	0.022	0.000064	0.41	60	0.012	0.00011
	June		0.095	4.0	0.033	0.0000063	457	76	0.00030	0.0033	0.0031	0.021	0.000060	0.46	56	0.011	0.00014
	July		0.065	2.8	0.023	0.0000043	332	59	0.00020	0.0023	0.0021	0.014	0.000041	0.44	40	0.0078	0.00012
	August		0.051	2.4	0.018	0.0000034	255	47	0.00016	0.0018	0.0017	0.011	0.000032	0.26	34	0.0061	0.000084
	September		0.043	2.1	0.015	0.0000028	222	40	0.00013	0.0015	0.0014	0.0094	0.000027	0.16	30	0.0052	0.000068
	October		0.095	4.1	0.033	0.0000062	456	75	0.00030	0.0033	0.0031	0.021	0.000059	0.39	59	0.011	0.00012
	November		0.11	4.7	0.039	0.0000072	457	68	0.00035	0.0039	0.0037	0.025	0.000071	0.18	67	0.014	0.000064
	December		0.11	4.7	0.039	0.0000072	454	56	0.00036	0.0039	0.0037	0.025	0.000072	0.17	64	0.014	0.000023
	January	**2031**	0.12	4.4	0.040	0.0000074	455	53	0.00037	0.0040	0.0038	0.026	0.000073	0.16	61	0.014	0.000023
	February		0.12	4.4	0.040	0.0000074	457	52	0.00037	0.0040	0.0038	0.026	0.000073	0.14	62	0.014	0.000015
	March		0.12	4.3	0.040	0.0000074	456	55	0.00036	0.0040	0.0038	0.025	0.000073	0.19	59	0.014	0.000037
	April		0.099	3.4	0.034	0.0000065	457	66	0.00031	0.0034	0.0032	0.022	0.000062	0.46	51	0.012	0.00011
	May		0.10	3.6	0.036	0.0000067	458	65	0.00033	0.0036	0.0034	0.023	0.000065	0.29	52	0.012	0.00010
	June		0.11	3.7	0.036	0.0000068	458	67	0.00033	0.0036	0.0034	0.023	0.000066	0.33	54	0.013	0.00010
	July		0.11	3.7	0.037	0.0000069	457	66	0.00033	0.0037	0.0035	0.023	0.000067	0.35	53	0.013	0.00011
	August		0.10	3.7	0.036	0.0000068	458	67	0.00033	0.0036	0.0034	0.023	0.000065	0.35	52	0.012	0.00011
	September		0.11	3.6	0.036	0.0000068	460	69	0.00033	0.0036	0.0034	0.023	0.000066	0.37	54	0.013	0.00012
	October		0.11	3.8	0.038	0.0000071	458	63	0.00035	0.0038	0.0036	0.024	0.000069	0.30	56	0.013	0.000084
	November		0.12	4.3	0.041	0.0000075	456	56	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000033
	December		0.12	4.4	0.041	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000021
	January	**2032**	0.12	4.9	0.040	0.0000074	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000020
	February		0.12	4.9	0.040	0.0000074	456	52	0.00036	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000017
	March		0.11	4.1	0.038	0.0000071	456	62	0.00035	0.0038	0.0036	0.024	0.000069	0.32	52	0.013	0.000089
	April		0.10	3.8	0.036	0.0000068	456	66	0.00032	0.0036	0.0034	0.023	0.000065	0.41	49	0.012	0.00012
	May		0.11	4.1	0.038	0.0000071	458	63	0.00035	0.0038	0.0036	0.024	0.000069	0.28	52	0.013	0.000098
	June		0.11	4.2	0.039	0.0000073	456	61	0.00036	0.0039	0.0037	0.025	0.000071	0.31	54	0.014	0.000081
	July		0.099	3.6	0.034	0.0000065	458	69	0.00031	0.0035	0.0032	0.022	0.000062	0.47	49	0.012	0.00013
	August		0.10	3.9	0.036	0.0000067	458	67	0.00032	0.0036	0.0034	0.023	0.000065	0.32	51	0.012	0.00012
	September		0.12	4.3	0.040	0.0000075	457	62	0.00036	0.0040	0.0038	0.026	0.000073	0.25	55	0.014	0.000084
	October		0.12	4.3	0.040	0.0000075	456	60	0.00037	0.0040	0.0038	0.026	0.000073	0.26	56	0.014	0.000068
	November		0.12	4.7	0.041	0.0000076	456	55	0.00037	0.0040	0.0039	0.026	0.000074	0.18	61	0.014	0.000036
	December		0.12	5.0	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000017
	January	**2033**	0.12	4.6	0.040	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000018
	February		0.12	4.5	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000018
	March		0.12	4.4	0.041	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000024
	April		0.10	3.4	0.035	0.0000067	456	69	0.00032	0.0035	0.0033	0.022	0.000063	0.60	50	0.012	0.00013
	May		0.10	3.4	0.035	0.0000066	457	67	0.00032	0.0035	0.0033	0.022	0.000063	0.26	50	0.012	0.00012
	June		0.11	3.7	0.038	0.0000072	460	67	0.00035	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.00011
	July		0.11	3.7	0.039	0.0000073	459	63	0.00035	0.0039	0.0037	0.025	0.000071	0.30	54	0.014	0.000092
	August		0.11	3.6	0.037	0.0000069	458	66	0.00033	0.0037	0.0035	0.023	0.000067	0.36	51	0.013	0.00011
	September		0.11	3.6	0.038	0.0000071	458	64	0.00034	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.000097
	October		0.11	3.8	0.039	0.0000073	455	61	0.00036	0.0039	0.0037	0.025	0.000071	0.29	54	0.014	0.000084
	November		0.11	3.9	0.039	0.0000073	456	60	0.00036	0.0039	0.0037	0.025	0.000071	0.25	56	0.014	0.000070
	December		0.12	4.4	0.041	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000020
	January	**2034**	0.12	4.5	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000018
	February		0.12	4.5	0.040	0.0000075	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000025
	March		0.12	4.1	0.041	0.0000076	456	57	0.00037	0.0041	0.0039	0.026	0.000075	0.22	58	0.014	0.000052
	April		0.10	3.6	0.036	0.0000068	458	64	0.00033	0.0036	0.0034	0.023	0.000065	0.42	51	0.012	0.00011
	May		0.11	3.9	0.040	0.0000074	459	62	0.00036	0.0039	0.0037	0.025	0.000072	0.21	54	0.014	0.000085
	June		0.099	3.3	0.034	0.0000066	456	73	0.00031	0.0035	0.0032	0.022	0.000062	0.71	49	0.012	0.00015
	July		0.095	3.1	0.033	0.0000064	456	76	0.00030	0.0034	0.0031	0.021	0.000060	0.54	47	0.011	0.00017
	August		0.100	3.3	0.034	0.0000066	456	76	0.00031	0.0035	0.0033	0.022	0.000062	0.38	48	0.012	0.00017
	September		0.10	3.4	0.035	0.0000066	460	72	0.00032	0.0035	0.0033	0.022	0.000063	0.38	49	0.012	0.00015
	October		0.11	3.8	0.039	0.0000072	458	65	0.00035	0.0039	0.0037	0.025	0.000070	0.20	54	0.013	0.000097
	November		0.12	4.1	0.041	0.0000077	456	58	0.00038	0.0041	0.0039	0.026	0.000075	0.20	60	0.014	0.000050
	December		0.12	4.2	0.041	0.0000076	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.21	59	0.014	0.000047
	January	**2035**	0.12	4.5	0.040	0.0000074	457	53	0.00037	0.0040	0.0038	0.026	0.000073	0.15	63	0.014	0.000020
	February		0.12	4.2	0.041	0.0000076	456	55	0.00037	0.0041	0.0039	0.026	0.000075	0.18	60	0.014	0.000037
	March		0.12	4.5	0.040	0.0000074	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000019

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Efflue

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.0044	0.0099	5.6	**0.019**	0.15	0.13	0.00057	880	0.32	**2884**	0.89	0.012	0.0019	0.0017
	February		0.0053	0.0100	5.6	**0.021**	0.20	0.13	0.00058	881	0.31	**2888**	0.85	0.011	0.0019	0.0017
	March		0.0052	0.010	5.6	**0.025**	0.21	0.13	0.00058	884	0.33	**2898**	0.88	0.012	0.0019	0.0018
	April		0.0074	0.0085	4.7	**0.043**	0.42	0.11	0.00051	884	0.31	**2896**	0.75	0.010	0.0016	0.0015
	May		0.0075	0.0089	5.0	**0.041**	0.41	0.11	0.00053	886	0.33	**2904**	0.81	0.011	0.0017	0.0016
	June	**2030**	0.0080	0.0084	4.6	**0.047**	0.47	0.11	0.00050	886	0.32	**2904**	0.76	0.010	0.0016	0.0015
	July		0.0070	0.0057	3.3	**0.039**	0.46	0.073	0.00035	644	0.24	**2109**	0.55	0.0070	0.0011	0.0010
	August		0.0041	0.0045	2.9	**0.028**	0.27	0.057	0.00027	496	0.19	**1624**	0.46	0.0053	0.00087	0.00081
	September		0.0023	0.0038	2.5	**0.023**	0.16	0.048	0.00022	430	0.17	**1409**	0.41	0.0045	0.00073	0.00068
	October		0.0068	0.0083	4.7	**0.044**	0.39	0.11	0.00050	885	0.33	**2901**	0.80	0.010	0.0016	0.0015
	November		0.0045	0.0099	5.5	**0.029**	0.17	0.13	0.00058	887	0.34	**2906**	0.91	0.012	0.0019	0.0017
	December		0.0047	0.010	5.6	**0.020**	0.16	0.13	0.00058	881	0.32	**2886**	0.87	0.012	0.0019	0.0017
	January		0.0048	0.010	5.2	**0.019**	0.16	0.13	0.00059	882	0.31	**2891**	0.83	0.011	0.0020	0.0018
	February		0.0045	0.010	5.2	**0.017**	0.13	0.13	0.00059	886	0.31	**2904**	0.84	0.011	0.0020	0.0018
	March		0.0053	0.010	5.1	**0.022**	0.19	0.13	0.00059	886	0.30	**2903**	0.80	0.011	0.0020	0.0018
	April		0.0084	0.0087	4.0	**0.041**	0.47	0.11	0.00051	887	0.29	**2906**	0.69	0.0097	0.0017	0.0015
	May		0.0060	0.0091	4.2	**0.037**	0.29	0.11	0.00054	889	0.29	**2914**	0.71	0.0100	0.0018	0.0016
	June	**2031**	0.0068	0.0092	4.3	**0.038**	0.34	0.11	0.00055	888	0.30	**2911**	0.73	0.010	0.0018	0.0016
	July		0.0071	0.0094	4.3	**0.038**	0.35	0.12	0.00055	886	0.30	**2904**	0.71	0.010	0.0018	0.0017
	August		0.0069	0.0092	4.3	**0.040**	0.36	0.11	0.00054	889	0.30	**2912**	0.71	0.010	0.0018	0.0016
	September		0.0072	0.0092	4.3	**0.041**	0.37	0.11	0.00055	893	0.30	**2928**	0.73	0.010	0.0018	0.0016
	October		0.0065	0.0097	4.5	**0.033**	0.30	0.12	0.00057	888	0.30	**2910**	0.75	0.011	0.0019	0.0017
	November		0.0047	0.010	5.1	**0.021**	0.16	0.13	0.00060	885	0.31	**2901**	0.84	0.012	0.0020	0.0018
	December		0.0048	0.010	5.2	**0.019**	0.15	0.13	0.00060	888	0.31	**2909**	0.84	0.011	0.0020	0.0018
	January		0.0047	0.010	5.7	**0.018**	0.14	0.13	0.00059	886	0.31	**2902**	0.84	0.011	0.0020	0.0018
	February		0.0046	0.010	5.8	**0.017**	0.13	0.13	0.00059	885	0.31	**2899**	0.84	0.011	0.0020	0.0018
	March		0.0069	0.0097	4.9	**0.034**	0.32	0.12	0.00057	886	0.29	**2903**	0.71	0.010	0.0019	0.0017
	April		0.0079	0.0091	4.5	**0.041**	0.42	0.11	0.00054	886	0.28	**2902**	0.66	0.0097	0.0017	0.0016
	May		0.0063	0.0097	4.8	**0.036**	0.28	0.12	0.00057	888	0.29	**2911**	0.71	0.010	0.0019	0.0017
	June	**2032**	0.0068	0.0100	5.0	**0.032**	0.31	0.12	0.00058	884	0.30	**2898**	0.73	0.011	0.0019	0.0018
	July		0.0086	0.0087	4.3	**0.045**	0.48	0.11	0.00052	890	0.29	**2916**	0.66	0.0095	0.0017	0.0016
Operations	**August**		0.0066	0.0091	4.5	**0.040**	0.32	0.11	0.00054	889	0.29	**2914**	0.69	0.0098	0.0017	0.0016
	September		0.0061	0.010	5.1	**0.033**	0.25	0.13	0.00060	887	0.30	**2906**	0.74	0.011	0.0020	0.0018
	October		0.0062	0.010	5.1	**0.029**	0.26	0.13	0.00060	886	0.30	**2903**	0.76	0.011	0.0020	0.0018
	November		0.0051	0.010	5.5	**0.021**	0.17	0.13	0.00060	886	0.31	**2903**	0.82	0.011	0.0020	0.0018
	December		0.0046	0.010	5.9	**0.017**	0.13	0.13	0.00059	887	0.31	**2907**	0.85	0.011	0.0020	0.0018
	January		0.0047	0.010	5.4	**0.017**	0.13	0.13	0.00059	888	0.31	**2909**	0.85	0.011	0.0020	0.0018
	February		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	887	0.31	**2907**	0.85	0.011	0.0020	0.0018
	March		0.0049	0.010	5.2	**0.018**	0.15	0.13	0.00060	887	0.31	**2905**	0.84	0.011	0.0020	0.0018
	April		0.011	0.0089	4.0	**0.045**	0.62	0.11	0.00053	885	0.29	**2900**	0.67	0.0097	0.0017	0.0016
	May		0.0057	0.0089	3.9	**0.041**	0.25	0.11	0.00053	886	0.29	**2904**	0.67	0.0096	0.0017	0.0016
	June	**2033**	0.0069	0.0097	4.3	**0.039**	0.32	0.12	0.00058	894	0.30	**2928**	0.71	0.010	0.0019	0.0017
	July		0.0068	0.0100	4.4	**0.034**	0.30	0.12	0.00059	890	0.30	**2916**	0.72	0.011	0.0019	0.0018
	August		0.0073	0.0094	4.2	**0.040**	0.36	0.11	0.00056	889	0.29	**2912**	0.69	0.0100	0.0018	0.0017
	September		0.0068	0.0096	4.3	**0.036**	0.32	0.12	0.00057	888	0.29	**2910**	0.71	0.010	0.0019	0.0017
	October		0.0067	0.0100	4.5	**0.032**	0.29	0.12	0.00058	883	0.29	**2892**	0.72	0.011	0.0019	0.0018
	November		0.0059	0.010	4.5	**0.029**	0.24	0.12	0.00058	885	0.30	**2901**	0.76	0.011	0.0019	0.0018
	December		0.0047	0.010	5.3	**0.018**	0.14	0.13	0.00060	887	0.31	**2906**	0.85	0.011	0.0020	0.0018
	January		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0050	0.010	5.3	**0.019**	0.15	0.13	0.00059	886	0.31	**2904**	0.83	0.011	0.0020	0.0018
	March		0.0058	0.010	4.9	**0.025**	0.22	0.13	0.00061	886	0.30	**2903**	0.79	0.011	0.0020	0.0018
	April		0.0083	0.0092	4.2	**0.038**	0.43	0.11	0.00054	889	0.29	**2912**	0.68	0.0098	0.0018	0.0016
	May		0.0055	0.010	4.5	**0.032**	0.20	0.12	0.00059	890	0.30	**2917**	0.73	0.011	0.0019	0.0018
	June	**2034**	0.012	0.0087	3.8	**0.050**	0.75	0.11	0.00052	885	0.30	**2899**	0.66	0.0096	0.0017	0.0016
	July		0.0095	0.0084	3.6	**0.053**	0.55	0.10	0.00051	884	0.29	**2897**	0.63	0.0092	0.0016	0.0015
	August		0.0074	0.0088	3.8	**0.051**	0.38	0.11	0.00053	885	0.29	**2902**	0.64	0.0094	0.0017	0.0016
	September		0.0073	0.0089	3.9	**0.047**	0.38	0.11	0.00053	894	0.29	**2928**	0.66	0.0096	0.0017	0.0016
	October		0.0053	0.0099	4.5	**0.035**	0.19	0.12	0.00058	890	0.30	**2915**	0.73	0.011	0.0019	0.0017
	November		0.0055	0.011	4.9	**0.025**	0.19	0.13	0.00061	886	0.31	**2903**	0.81	0.011	0.0020	0.0018
	December		0.0057	0.010	5.0	**0.024**	0.20	0.13	0.00060	886	0.30	**2902**	0.79	0.011	0.0020	0.0018
	January		0.0048	0.010	5.3	**0.018**	0.14	0.13	0.00059	887	0.31	**2907**	0.85	0.011	0.0020	0.0018
	February	**2035**	0.0053	0.010	5.0	**0.021**	0.18	0.13	0.00061	885	0.31	**2902**	0.81	0.011	0.0020	0.0018
	March		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.011	0.0020	0.0018

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.11	3.8	0.038	0.0000072	456	60	0.00035	0.0038	0.0036	0.024	0.000069	0.36	53	0.013	0.000083
	May		0.10	3.4	0.036	0.0000068	457	66	0.00032	0.0036	0.0034	0.023	0.000065	0.41	50	0.012	0.00012
	June		0.10	3.4	0.036	0.0000068	459	66	0.00032	0.0036	0.0034	0.023	0.000065	0.34	50	0.012	0.00012
	July		0.10	3.4	0.036	0.0000068	458	67	0.00033	0.0036	0.0034	0.023	0.000065	0.36	50	0.012	0.00012
	August		0.11	3.5	0.037	0.0000070	460	68	0.00034	0.0037	0.0035	0.024	0.000067	0.34	51	0.013	0.00012
	September		0.11	3.6	0.037	0.0000070	461	66	0.00034	0.0037	0.0035	0.024	0.000068	0.33	52	0.013	0.00011
	October		0.12	3.8	0.040	0.0000075	456	61	0.00036	0.0040	0.0038	0.026	0.000073	0.26	55	0.014	0.000076
	November		0.12	4.3	0.041	0.0000075	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000027
	December		0.12	4.4	0.040	0.0000074	456	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	January	2036	0.12	4.5	0.040	0.0000074	457	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	February		0.12	4.5	0.040	0.0000074	457	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	March		0.12	4.2	0.041	0.0000076	457	56	0.00037	0.0041	0.0039	0.026	0.000075	0.20	59	0.014	0.000046
	April		0.10	3.4	0.035	0.0000067	456	71	0.00032	0.0035	0.0033	0.022	0.000063	0.54	49	0.012	0.00014
	May		0.11	3.6	0.036	0.0000068	457	64	0.00033	0.0036	0.0034	0.023	0.000066	0.26	51	0.013	0.00011
	June		0.11	3.6	0.037	0.0000070	460	67	0.00033	0.0037	0.0035	0.023	0.000067	0.34	53	0.013	0.00011
	July		0.10	3.5	0.036	0.0000068	457	67	0.00033	0.0036	0.0034	0.023	0.000065	0.35	51	0.013	0.00012
	August		0.12	4.0	0.041	0.0000076	458	60	0.00037	0.0040	0.0038	0.026	0.000074	0.26	57	0.014	0.000067
	September		0.11	3.8	0.039	0.0000073	458	63	0.00035	0.0039	0.0037	0.025	0.000071	0.30	54	0.013	0.000092
	October		0.11	3.9	0.039	0.0000074	458	62	0.00036	0.0039	0.0037	0.025	0.000071	0.29	55	0.014	0.000081
	November		0.12	4.3	0.041	0.0000076	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.17	62	0.014	0.000034
	December		0.12	4.5	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	January	2037	0.12	4.3	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000019
	February		0.12	3.9	0.040	0.0000075	456	57	0.00036	0.0040	0.0038	0.026	0.000073	0.22	58	0.014	0.000053
	March		0.12	4.1	0.040	0.0000074	458	56	0.00036	0.0039	0.0038	0.025	0.000073	0.20	59	0.014	0.000044
	April		0.10	3.2	0.035	0.0000066	455	69	0.00031	0.0035	0.0033	0.022	0.000063	0.46	49	0.012	0.00013
	May		0.12	3.7	0.040	0.0000074	457	61	0.00036	0.0040	0.0038	0.025	0.000072	0.23	54	0.014	0.000083
	June		0.10	3.2	0.035	0.0000066	456	69	0.00031	0.0035	0.0033	0.022	0.000063	0.49	50	0.012	0.00013
	July		0.100	3.1	0.034	0.0000066	459	72	0.00031	0.0035	0.0033	0.022	0.000062	0.50	48	0.012	0.00015
	August		0.10	3.3	0.036	0.0000068	461	67	0.00033	0.0036	0.0034	0.023	0.000065	0.29	51	0.012	0.00012
	September		0.10	3.3	0.036	0.0000067	457	65	0.00032	0.0036	0.0034	0.023	0.000065	0.35	49	0.012	0.00012
	October		0.12	3.8	0.040	0.0000075	457	62	0.00037	0.0040	0.0038	0.026	0.000073	0.21	58	0.014	0.000072
	November		0.12	4.1	0.041	0.0000075	456	55	0.00037	0.0040	0.0039	0.026	0.000074	0.17	60	0.014	0.000035
	December		0.12	4.2	0.040	0.0000074	455	53	0.00037	0.0039	0.0038	0.026	0.000073	0.14	62	0.014	0.000020
	January	2038	0.12	4.3	0.040	0.0000074	457	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000021
	February		0.12	4.3	0.040	0.0000074	456	53	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000022
	March		0.11	3.5	0.037	0.0000070	456	64	0.00034	0.0037	0.0035	0.024	0.000068	0.33	51	0.013	0.00010
	April		0.10	3.2	0.035	0.0000067	457	66	0.00032	0.0035	0.0033	0.022	0.000064	0.42	48	0.012	0.00012
	May		0.11	3.5	0.038	0.0000071	455	64	0.00034	0.0038	0.0036	0.024	0.000069	0.27	53	0.013	0.000099
	June		0.11	3.6	0.039	0.0000073	458	62	0.00035	0.0039	0.0037	0.025	0.000071	0.32	55	0.013	0.000085
	July		0.11	3.4	0.037	0.0000069	458	66	0.00033	0.0037	0.0035	0.023	0.000066	0.34	51	0.013	0.00012
	August		0.11	3.6	0.039	0.0000073	461	64	0.00035	0.0039	0.0037	0.025	0.000070	0.31	53	0.013	0.000099
	September		0.10	3.3	0.036	0.0000068	455	68	0.00033	0.0036	0.0034	0.023	0.000065	0.42	53	0.012	0.00012
	October		0.11	3.4	0.037	0.0000070	458	66	0.00034	0.0037	0.0035	0.024	0.000067	0.29	52	0.013	0.00011
	November		0.12	3.9	0.041	0.0000076	456	58	0.00037	0.0040	0.0039	0.026	0.000074	0.19	60	0.014	0.000049
	December		0.12	4.3	0.041	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000024
	January	2039	0.12	4.3	0.040	0.0000075	456	53	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000023
	February		0.11	3.7	0.039	0.0000074	458	61	0.00036	0.0039	0.0037	0.025	0.000071	0.26	55	0.014	0.000080
	March		0.12	3.9	0.041	0.0000076	457	58	0.00037	0.0040	0.0039	0.026	0.000074	0.22	58	0.014	0.000058
	April		0.12	3.8	0.040	0.0000075	458	59	0.00036	0.0040	0.0038	0.025	0.000073	0.25	56	0.014	0.000068
	May		0.12	3.8	0.041	0.0000076	457	59	0.00037	0.0040	0.0038	0.026	0.000074	0.25	57	0.014	0.000068
	June		0.12	3.8	0.040	0.0000075	456	59	0.00036	0.0040	0.0038	0.025	0.000073	0.29	58	0.014	0.000067
	July		0.10	3.2	0.035	0.0000067	460	68	0.00032	0.0036	0.0034	0.022	0.000064	0.39	49	0.012	0.00013
	August		0.096	3.0	0.033	0.0000064	456	74	0.00030	0.0034	0.0032	0.021	0.000060	0.53	47	0.012	0.00016
	September		0.11	3.4	0.037	0.0000069	457	65	0.00033	0.0037	0.0035	0.023	0.000066	0.28	51	0.013	0.00011
	October		0.11	3.5	0.038	0.0000072	458	66	0.00035	0.0038	0.0036	0.024	0.000069	0.30	52	0.013	0.00011
	November		0.12	3.8	0.040	0.0000074	457	59	0.00036	0.0039	0.0037	0.025	0.000072	0.22	59	0.014	0.000062
	December		0.12	4.3	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000025
	January	2040	0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000025
	February		0.12	4.5	0.040	0.0000075	457	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	March		0.11	3.7	0.037	0.0000071	457	66	0.00034	0.0037	0.0035	0.024	0.000068	0.42	52	0.013	0.00012
	April		0.10	3.5	0.035	0.0000067	457	66	0.00032	0.0036	0.0034	0.023	0.000064	0.35	51	0.012	0.00012
	May		0.11	3.6	0.037	0.0000070	456	68	0.00033	0.0037	0.0035	0.023	0.000067	0.36	52	0.013	0.00012
	June		0.10	3.4	0.035	0.0000067	456	68	0.00032	0.0035	0.0033	0.022	0.000063	0.44	50	0.012	0.00013

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent

Time Period	Month	Year	Molybdenum mg/L	Nickel mg/L	Nitrate mg/L as N	Phosphorous mg/L	Polonium-210 Bq/L	Radium-226 Bq/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Sulphate mg/L	Throium-230 Bq/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	April	2035	0.0077	0.0097	4.4	**0.032**	0.36	0.12	0.00057	884	0.29	**2898**	0.71	0.010	0.0019	0.0017
	May		0.0081	0.0091	4.0	**0.040**	0.42	0.11	0.00054	886	0.29	**2904**	0.67	0.0097	0.0017	0.0016
	June		0.0070	0.0091	4.0	**0.040**	0.34	0.11	0.00054	891	0.29	**2918**	0.67	0.0097	0.0017	0.0016
	July		0.0072	0.0091	4.0	**0.041**	0.36	0.11	0.00054	889	0.29	**2914**	0.67	0.0097	0.0018	0.0016
	August		0.0071	0.0095	4.2	**0.041**	0.35	0.12	0.00056	893	0.30	**2927**	0.69	0.010	0.0018	0.0017
	September		0.0069	0.0095	4.2	**0.039**	0.33	0.12	0.00056	896	0.30	**2935**	0.70	0.010	0.0018	0.0017
	October		0.0063	0.010	4.5	**0.030**	0.26	0.13	0.00060	885	0.30	**2898**	0.75	0.011	0.0020	0.0018
	November		0.0049	0.010	5.1	**0.019**	0.15	0.13	0.00060	884	0.31	**2898**	0.84	0.012	0.0020	0.0018
	December		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.31	**2899**	0.85	0.011	0.0020	0.0018
	January	2036	0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2904**	0.85	0.012	0.0020	0.0018
	February		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.012	0.0020	0.0018
	March		0.0057	0.010	5.0	**0.023**	0.20	0.13	0.00061	887	0.30	**2907**	0.79	0.011	0.0020	0.0018
	April		0.0098	0.0089	3.9	**0.047**	0.56	0.11	0.00053	886	0.29	**2902**	0.66	0.0096	0.0017	0.0016
	May		0.0058	0.0093	4.2	**0.037**	0.26	0.11	0.00055	887	0.29	**2908**	0.68	0.0099	0.0018	0.0016
	June		0.0072	0.0094	4.2	**0.039**	0.35	0.12	0.00056	892	0.30	**2924**	0.71	0.010	0.0018	0.0017
	July		0.0071	0.0092	4.1	**0.040**	0.35	0.11	0.00055	887	0.29	**2906**	0.69	0.0099	0.0018	0.0016
	August		0.0064	0.010	4.7	**0.029**	0.26	0.13	0.00060	889	0.30	**2913**	0.77	0.011	0.0020	0.0018
	September		0.0068	0.0099	4.4	**0.034**	0.30	0.12	0.00058	888	0.30	**2911**	0.72	0.011	0.0019	0.0017
	October		0.0066	0.010	4.5	**0.032**	0.29	0.12	0.00059	889	0.30	**2912**	0.75	0.011	0.0019	0.0018
	November		0.0050	0.010	5.1	**0.021**	0.16	0.13	0.00060	886	0.31	**2903**	0.83	0.011	0.0020	0.0018
	December		0.0047	0.010	5.3	**0.017**	0.13	0.13	0.00059	884	0.31	**2898**	0.85	0.011	0.0020	0.0018
	January	2037	0.0047	0.010	5.1	**0.017**	0.13	0.13	0.00059	886	0.31	**2902**	0.85	0.011	0.0020	0.0018
	February		0.0057	0.010	4.6	**0.025**	0.21	0.13	0.00059	885	0.30	**2901**	0.78	0.011	0.0020	0.0018
	March		0.0055	0.010	4.8	**0.023**	0.19	0.13	0.00059	889	0.31	**2912**	0.80	0.011	0.0020	0.0018
	April		0.0086	0.0088	3.7	**0.044**	0.47	0.11	0.00053	884	0.29	**2896**	0.67	0.0096	0.0017	0.0016
	May		0.0059	0.010	4.3	**0.032**	0.22	0.12	0.00059	887	0.30	**2906**	0.73	0.011	0.0019	0.0018
	June		0.0090	0.0088	3.7	**0.043**	0.50	0.11	0.00053	886	0.29	**2903**	0.68	0.0097	0.0017	0.0016
	July		0.0091	0.0087	3.6	**0.048**	0.51	0.11	0.00053	891	0.29	**2920**	0.65	0.0095	0.0017	0.0016
	August		0.0063	0.0091	3.9	**0.040**	0.28	0.11	0.00054	894	0.29	**2929**	0.69	0.0099	0.0018	0.0016
	September		0.0071	0.0091	3.9	**0.040**	0.35	0.11	0.00054	886	0.29	**2904**	0.66	0.0096	0.0017	0.0016
	October		0.0056	0.010	4.5	**0.030**	0.20	0.13	0.00060	888	0.31	**2910**	0.78	0.011	0.0020	0.0018
	November		0.0053	0.010	4.8	**0.021**	0.17	0.13	0.00060	884	0.31	**2897**	0.82	0.011	0.0020	0.0018
	December		0.0047	0.010	5.0	**0.017**	0.14	0.13	0.00059	884	0.31	**2896**	0.84	0.011	0.0020	0.0018
	January	2038	0.0047	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.31	**2903**	0.85	0.011	0.0020	0.0018
	February		0.0047	0.010	5.0	**0.017**	0.14	0.13	0.00059	886	0.32	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0072	0.0095	4.1	**0.036**	0.34	0.12	0.00056	885	0.29	**2901**	0.69	0.010	0.0018	0.0017
	April		0.0081	0.0089	3.7	**0.041**	0.42	0.11	0.00053	886	0.28	**2905**	0.65	0.0096	0.0017	0.0016
	May		0.0063	0.0097	4.1	**0.035**	0.27	0.12	0.00057	884	0.30	**2896**	0.72	0.010	0.0019	0.0017
	June		0.0071	0.0099	4.2	**0.032**	0.32	0.12	0.00058	890	0.30	**2915**	0.75	0.011	0.0019	0.0017
	July		0.0071	0.0093	4.0	**0.039**	0.35	0.11	0.00055	889	0.29	**2911**	0.69	0.0100	0.0018	0.0017
	August		0.0068	0.0099	4.2	**0.036**	0.31	0.12	0.00058	894	0.30	**2930**	0.72	0.010	0.0019	0.0017
	September		0.0082	0.0092	3.9	**0.040**	0.43	0.11	0.00054	883	0.30	**2893**	0.71	0.010	0.0018	0.0016
	October		0.0063	0.0094	4.0	**0.038**	0.29	0.12	0.00056	889	0.30	**2912**	0.70	0.010	0.0018	0.0017
	November		0.0053	0.010	4.6	**0.023**	0.18	0.13	0.00060	885	0.31	**2900**	0.82	0.011	0.0020	0.0018
	December		0.0048	0.010	5.0	**0.018**	0.14	0.13	0.00060	888	0.32	**2909**	0.85	0.011	0.0020	0.0018
	January	2039	0.0048	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.32	**2902**	0.85	0.011	0.0020	0.0018
	February		0.0064	0.0100	4.4	**0.030**	0.26	0.12	0.00059	889	0.30	**2914**	0.75	0.011	0.0019	0.0018
	March		0.0059	0.010	4.6	**0.025**	0.22	0.13	0.00061	886	0.31	**2905**	0.79	0.011	0.0020	0.0018
	April		0.0063	0.010	4.5	**0.028**	0.24	0.13	0.00059	890	0.30	**2915**	0.76	0.011	0.0020	0.0018
	May		0.0063	0.010	4.5	**0.028**	0.25	0.13	0.00060	887	0.30	**2907**	0.76	0.011	0.0020	0.0018
	June		0.0070	0.010	4.4	**0.028**	0.29	0.13	0.00059	885	0.31	**2899**	0.78	0.011	0.0020	0.0018
	July		0.0077	0.0090	3.8	**0.042**	0.39	0.11	0.00054	893	0.29	**2925**	0.67	0.0097	0.0017	0.0016
	August		0.0096	0.0085	3.5	**0.051**	0.55	0.10	0.00051	884	0.29	**2897**	0.64	0.0093	0.0016	0.0015
	September		0.0063	0.0093	4.0	**0.037**	0.28	0.11	0.00055	886	0.29	**2904**	0.69	0.0099	0.0018	0.0017
	October		0.0068	0.0097	4.1	**0.038**	0.30	0.12	0.00058	888	0.30	**2911**	0.71	0.010	0.0019	0.0017
	November		0.0057	0.010	4.5	**0.026**	0.21	0.13	0.00059	886	0.31	**2904**	0.79	0.011	0.0019	0.0018
	December		0.0048	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.32	**2902**	0.85	0.011	0.0020	0.0018
	January	2040	0.0049	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2903**	0.85	0.011	0.0020	0.0018
	February		0.0050	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2903**	0.85	0.012	0.0020	0.0018
	March		0.0086	0.0095	4.4	**0.039**	0.43	0.12	0.00056	887	0.30	**2908**	0.70	0.010	0.0018	0.0017
	April		0.0073	0.0090	4.1	**0.039**	0.35	0.11	0.00054	887	0.29	**2906**	0.68	0.0098	0.0017	0.0016
	May		0.0076	0.0094	4.2	**0.040**	0.36	0.11	0.00056	884	0.30	**2897**	0.70	0.010	0.0018	0.0017
	June		0.0086	0.0089	4.0	**0.042**	0.45	0.11	0.00053	885	0.29	**2899**	0.67	0.0096	0.0017	0.0016

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**July**	**2040**	0.100	3.3	0.034	0.0000066	457	73	0.00031	0.0035	0.0033	0.022	0.000062	0.44	48	0.012	0.00015
	August		0.12	3.9	0.040	0.0000075	459	64	0.00036	0.0040	0.0038	0.025	0.000072	0.21	55	0.014	0.000096
	September		0.11	3.9	0.039	0.0000074	457	63	0.00036	0.0039	0.0037	0.025	0.000072	0.28	55	0.014	0.000088
	October		0.11	3.8	0.039	0.0000073	458	64	0.00035	0.0039	0.0037	0.025	0.000070	0.30	54	0.013	0.000097
	November		0.12	4.4	0.041	0.0000076	456	55	0.00037	0.0040	0.0039	0.026	0.000074	0.16	62	0.014	0.000035
	December		0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000026
	January	**2041**	0.12	4.6	0.040	0.0000075	458	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000027
	February		0.12	4.6	0.040	0.0000075	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000027
	March		0.12	4.3	0.040	0.0000075	456	57	0.00036	0.0040	0.0038	0.025	0.000073	0.24	59	0.014	0.000054
	April		0.11	3.6	0.037	0.0000070	459	68	0.00033	0.0037	0.0035	0.023	0.000066	0.46	52	0.013	0.00012
	May		0.11	3.6	0.037	0.0000070	457	66	0.00033	0.0037	0.0035	0.023	0.000067	0.20	53	0.013	0.00011
	June		0.11	3.9	0.039	0.0000074	455	62	0.00036	0.0039	0.0037	0.025	0.000071	0.31	55	0.014	0.000087
	July		0.11	3.5	0.036	0.0000070	458	69	0.00033	0.0036	0.0034	0.023	0.000066	0.44	52	0.013	0.00013
	August		0.096	3.2	0.033	0.0000066	455	78	0.00030	0.0034	0.0031	0.021	0.000060	0.81	48	0.012	0.00018
	September		0.098	3.2	0.034	0.0000065	457	76	0.00031	0.0034	0.0032	0.021	0.000061	0.28	48	0.012	0.00017
	October		0.11	3.5	0.037	0.0000070	460	68	0.00033	0.0037	0.0035	0.023	0.000066	0.27	50	0.013	0.00013
	November		0.12	4.0	0.041	0.0000076	457	63	0.00037	0.0040	0.0038	0.026	0.000074	0.16	58	0.014	0.000082
	December		0.12	4.5	0.041	0.0000076	457	55	0.00037	0.0040	0.0039	0.026	0.000074	0.14	63	0.014	0.000030
	January	**2042**	0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000028
	February		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000028
	March		0.12	4.3	0.041	0.0000076	456	57	0.00037	0.0040	0.0038	0.026	0.000074	0.20	59	0.014	0.000052
	April		0.11	3.7	0.037	0.0000071	456	65	0.00033	0.0037	0.0035	0.023	0.000067	0.44	52	0.013	0.00011
	May		0.11	3.9	0.039	0.0000074	458	64	0.00035	0.0039	0.0037	0.025	0.000071	0.21	54	0.014	0.000099
	June		0.098	3.3	0.034	0.0000066	456	70	0.00030	0.0034	0.0032	0.021	0.000061	0.56	49	0.012	0.00014
	July		0.099	3.3	0.034	0.0000066	457	74	0.00031	0.0035	0.0033	0.022	0.000062	0.42	48	0.012	0.00016
	August		0.097	3.2	0.034	0.0000065	459	76	0.00030	0.0034	0.0032	0.021	0.000061	0.48	48	0.012	0.00017
	September		0.10	3.4	0.035	0.0000067	456	70	0.00031	0.0035	0.0033	0.022	0.000063	0.43	50	0.012	0.00014
	October		0.10	3.4	0.035	0.0000068	459	72	0.00032	0.0036	0.0033	0.022	0.000064	0.34	49	0.012	0.00015
	November		0.12	4.0	0.040	0.0000075	458	62	0.00036	0.0040	0.0038	0.025	0.000073	0.15	59	0.014	0.000074
	December		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	January	**2043**	0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.5	0.040	0.0000075	457	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	April		0.11	3.8	0.038	0.0000072	456	65	0.00034	0.0038	0.0036	0.024	0.000068	0.48	54	0.013	0.00010
	May		0.10	3.5	0.036	0.0000068	457	67	0.00033	0.0036	0.0034	0.023	0.000065	0.26	49	0.012	0.00013
	June		0.10	3.4	0.035	0.0000067	455	70	0.00031	0.0035	0.0033	0.022	0.000063	0.45	49	0.012	0.00014
	July		0.10	3.5	0.035	0.0000069	456	71	0.00032	0.0036	0.0034	0.022	0.000064	0.48	50	0.012	0.00014
	August		0.094	3.1	0.032	0.0000063	442	76	0.00029	0.0033	0.0031	0.021	0.000059	0.49	47	0.011	0.00017
	September		0.098	3.2	0.034	0.0000066	457	75	0.00031	0.0034	0.0032	0.021	0.000061	0.51	49	0.012	0.00016
	October		0.10	3.4	0.035	0.0000067	459	72	0.00031	0.0035	0.0033	0.022	0.000063	0.33	49	0.012	0.00015
	November		0.11	3.8	0.039	0.0000073	459	65	0.00035	0.0039	0.0037	0.025	0.000070	0.23	53	0.013	0.00011
	December		0.12	4.2	0.041	0.0000078	456	59	0.00037	0.0041	0.0039	0.026	0.000075	0.17	61	0.014	0.000054
	January	**2044**	0.12	4.5	0.041	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000030
	February		0.12	4.5	0.040	0.0000075	456	54	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.4	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.17	61	0.014	0.000036
	April		0.11	3.5	0.037	0.0000070	458	66	0.00033	0.0037	0.0035	0.023	0.000066	0.36	50	0.013	0.00012
	May		0.11	3.6	0.038	0.0000072	458	65	0.00034	0.0038	0.0036	0.024	0.000069	0.31	53	0.013	0.00011
	June		0.11	3.8	0.039	0.0000075	459	63	0.00036	0.0039	0.0037	0.025	0.000071	0.30	55	0.014	0.000091
	July		0.10	3.4	0.035	0.0000068	459	72	0.00032	0.0036	0.0033	0.022	0.000064	0.47	50	0.012	0.00015
	August		0.11	3.8	0.039	0.0000075	459	66	0.00036	0.0039	0.0037	0.025	0.000071	0.28	53	0.014	0.00011
	September		0.12	3.8	0.040	0.0000075	456	65	0.00036	0.0040	0.0038	0.025	0.000072	0.30	54	0.014	0.000100
	October		0.12	4.0	0.041	0.0000077	458	61	0.00037	0.0040	0.0039	0.026	0.000074	0.24	58	0.014	0.000072
	November		0.12	4.3	0.041	0.0000077	457	56	0.00037	0.0040	0.0039	0.026	0.000075	0.17	62	0.014	0.000041
	December		0.12	4.4	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.15	62	0.014	0.000032
	January	**2045**	0.12	4.5	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.11	4.2	0.039	0.0000074	456	57	0.00036	0.0039	0.0037	0.025	0.000071	0.30	59	0.014	0.000054
	April		0.11	3.6	0.037	0.0000071	457	67	0.00034	0.0037	0.0035	0.024	0.000067	0.28	50	0.013	0.00012
	May		0.11	3.5	0.036	0.0000070	458	67	0.00033	0.0037	0.0034	0.023	0.000066	0.35	51	0.013	0.00012
	June		0.10	3.5	0.036	0.0000069	458	68	0.00033	0.0036	0.0034	0.023	0.000066	0.38	51	0.013	0.00012
	July		0.10	3.4	0.035	0.0000068	458	68	0.00032	0.0036	0.0033	0.022	0.000064	0.37	50	0.012	0.00013
	August		0.11	3.7	0.038	0.0000073	459	66	0.00035	0.0038	0.0036	0.024	0.000070	0.32	53	0.013	0.00011
	September		0.11	3.7	0.038	0.0000072	457	65	0.00034	0.0038	0.0036	0.024	0.000069	0.32	53	0.013	0.00011

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Efflue

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July		0.0083	0.0088	3.9	**0.048**	0.44	0.11	0.00053	887	0.29	**2905**	0.65	0.0095	0.0017	0.0016
	August		0.0058	0.010	4.6	**0.033**	0.20	0.12	0.00060	890	0.31	**2917**	0.74	0.011	0.0020	0.0018
	September		0.0067	0.010	4.6	**0.032**	0.28	0.12	0.00059	886	0.31	**2905**	0.75	0.011	0.0019	0.0018
	October	**2040**	0.0069	0.0099	4.5	**0.034**	0.30	0.12	0.00058	888	0.30	**2910**	0.73	0.010	0.0019	0.0017
	November		0.0052	0.010	5.1	**0.019**	0.15	0.13	0.00060	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	December		0.0050	0.010	5.4	**0.017**	0.13	0.13	0.00059	886	0.32	**2905**	0.85	0.011	0.0020	0.0018
	January		0.0051	0.010	5.4	**0.017**	0.13	0.13	0.00060	888	0.32	**2910**	0.85	0.011	0.0020	0.0018
	February		0.0051	0.010	5.4	**0.017**	0.13	0.13	0.00059	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	March		0.0065	0.010	5.1	**0.024**	0.24	0.13	0.00059	885	0.31	**2899**	0.79	0.011	0.0020	0.0018
	April		0.0091	0.0093	4.2	**0.041**	0.47	0.11	0.00056	891	0.30	**2919**	0.70	0.010	0.0018	0.0017
	May		0.0054	0.0094	4.2	**0.036**	0.19	0.12	0.00056	887	0.30	**2906**	0.71	0.010	0.0018	0.0017
	June		0.0073	0.0100	4.5	**0.031**	0.31	0.12	0.00059	884	0.30	**2897**	0.74	0.011	0.0019	0.0018
	July	**2041**	0.0088	0.0092	4.1	**0.042**	0.45	0.11	0.00055	889	0.30	**2913**	0.69	0.010	0.0018	0.0016
	August		0.013	0.0085	3.7	**0.055**	0.85	0.10	0.00051	882	0.30	**2891**	0.65	0.0094	0.0016	0.0015
	September		0.0061	0.0086	3.8	**0.050**	0.27	0.10	0.00052	886	0.30	**2904**	0.64	0.0093	0.0017	0.0016
	October		0.0064	0.0093	4.2	**0.041**	0.27	0.11	0.00056	892	0.30	**2924**	0.68	0.0099	0.0018	0.0017
	November		0.0052	0.010	4.7	**0.029**	0.15	0.13	0.00061	887	0.31	**2907**	0.78	0.011	0.0020	0.0018
	December		0.0051	0.010	5.3	**0.018**	0.14	0.13	0.00060	887	0.32	**2908**	0.86	0.011	0.0020	0.0018
	January		0.0051	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
	February		0.0051	0.010	5.3	**0.017**	0.13	0.13	0.00059	886	0.32	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0060	0.010	5.1	**0.023**	0.19	0.13	0.00060	885	0.31	**2900**	0.79	0.011	0.0020	0.0018
	April		0.0090	0.0094	4.3	**0.037**	0.45	0.11	0.00056	886	0.30	**2902**	0.70	0.010	0.0018	0.0017
	May		0.0059	0.0099	4.5	**0.033**	0.21	0.12	0.00058	890	0.30	**2915**	0.73	0.010	0.0019	0.0018
	June		0.010	0.0086	3.8	**0.045**	0.58	0.11	0.00052	884	0.30	**2898**	0.66	0.0095	0.0016	0.0015
	July	**2042**	0.0082	0.0087	3.9	**0.048**	0.42	0.11	0.00053	888	0.30	**2908**	0.65	0.0095	0.0017	0.0016
	August		0.0089	0.0086	3.8	**0.051**	0.49	0.10	0.00052	890	0.30	**2918**	0.65	0.0094	0.0016	0.0015
	September		0.0086	0.0088	4.0	**0.043**	0.44	0.11	0.00053	884	0.30	**2897**	0.68	0.0097	0.0017	0.0016
	October		0.0070	0.0090	4.0	**0.046**	0.34	0.11	0.00054	892	0.30	**2922**	0.66	0.0096	0.0017	0.0016
	November		0.0051	0.010	4.7	**0.027**	0.14	0.13	0.00060	888	0.32	**2911**	0.79	0.011	0.0020	0.0018
	December		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2901**	0.85	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2900**	0.84	0.011	0.0020	0.0018
Operations	**February**		0.0052	0.010	5.4	**0.017**	0.13	0.13	0.00059	886	0.32	**2902**	0.85	0.012	0.0020	0.0018
	March		0.0052	0.010	5.4	**0.017**	0.13	0.13	0.00059	886	0.32	**2904**	0.85	0.012	0.0020	0.0018
	April		0.0098	0.0096	4.4	**0.036**	0.50	0.12	0.00057	885	0.31	**2901**	0.73	0.010	0.0018	0.0017
	May		0.0061	0.0091	4.1	**0.040**	0.25	0.11	0.00055	887	0.29	**2906**	0.66	0.0097	0.0018	0.0016
	June		0.0088	0.0088	4.0	**0.044**	0.46	0.11	0.00053	883	0.29	**2894**	0.66	0.0096	0.0017	0.0016
	July	**2043**	0.0093	0.0090	4.1	**0.045**	0.49	0.11	0.00054	885	0.30	**2899**	0.68	0.0097	0.0017	0.0016
	August		0.0089	0.0082	3.6	**0.052**	0.50	0.10	0.00050	859	0.30	**2814**	0.63	0.0091	0.0016	0.0015
	September		0.0094	0.0086	3.8	**0.050**	0.52	0.11	0.00052	887	0.30	**2908**	0.66	0.0095	0.0017	0.0016
	October		0.0071	0.0088	3.9	**0.045**	0.33	0.11	0.00053	890	0.30	**2917**	0.66	0.0096	0.0017	0.0016
	November		0.0061	0.0099	4.4	**0.035**	0.23	0.12	0.00058	890	0.30	**2916**	0.72	0.010	0.0019	0.0017
	December		0.0056	0.010	5.0	**0.023**	0.16	0.13	0.00061	886	0.32	**2902**	0.82	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.14	0.13	0.00060	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2899**	0.84	0.011	0.0020	0.0018
	March		0.0057	0.010	5.2	**0.019**	0.17	0.13	0.00059	885	0.32	**2901**	0.83	0.011	0.0020	0.0018
	April		0.0078	0.0093	4.1	**0.039**	0.37	0.11	0.00056	888	0.29	**2910**	0.67	0.0098	0.0018	0.0017
	May		0.0073	0.0096	4.3	**0.035**	0.31	0.12	0.00057	889	0.30	**2913**	0.71	0.010	0.0019	0.0017
	June		0.0072	0.0100	4.5	**0.032**	0.30	0.12	0.00059	891	0.31	**2919**	0.74	0.011	0.0019	0.0018
	July	**2044**	0.0091	0.0089	3.9	**0.046**	0.48	0.11	0.00054	890	0.30	**2916**	0.67	0.0097	0.0017	0.0016
	August		0.0068	0.0100	4.4	**0.036**	0.27	0.12	0.00059	890	0.30	**2916**	0.72	0.011	0.0019	0.0018
	September		0.0072	0.010	4.5	**0.034**	0.30	0.12	0.00060	886	0.31	**2903**	0.73	0.011	0.0019	0.0018
	October		0.0065	0.010	4.7	**0.028**	0.24	0.13	0.00061	889	0.31	**2913**	0.78	0.011	0.0020	0.0018
	November		0.0056	0.010	5.1	**0.020**	0.16	0.13	0.00061	887	0.32	**2907**	0.84	0.011	0.0020	0.0018
	December		0.0053	0.010	5.2	**0.018**	0.14	0.13	0.00060	887	0.32	**2905**	0.84	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	887	0.32	**2906**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00060	886	0.32	**2904**	0.85	0.011	0.0020	0.0018
	March		0.0076	0.0100	4.9	**0.024**	0.30	0.12	0.00058	886	0.31	**2902**	0.79	0.011	0.0019	0.0017
	April		0.0065	0.0094	4.2	**0.039**	0.28	0.11	0.00056	888	0.29	**2909**	0.68	0.0099	0.0018	0.0017
	May	**2045**	0.0076	0.0093	4.1	**0.040**	0.36	0.11	0.00055	888	0.30	**2911**	0.68	0.0098	0.0018	0.0016
	June		0.0080	0.0092	4.1	**0.040**	0.38	0.11	0.00055	888	0.30	**2911**	0.69	0.0099	0.0018	0.0016
	July		0.0077	0.0090	4.0	**0.041**	0.38	0.11	0.00054	889	0.29	**2913**	0.67	0.0097	0.0017	0.0016
	August		0.0074	0.0098	4.3	**0.037**	0.32	0.12	0.00058	890	0.30	**2916**	0.71	0.010	0.0019	0.0017
	September		0.0073	0.0096	4.3	**0.036**	0.32	0.12	0.00057	886	0.30	**2904**	0.71	0.010	0.0019	0.0017

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	0.12	3.8	0.040	0.0000076	456	62	0.00036	0.0040	0.0038	0.025	0.000072	0.26	56	0.014	0.000083
	November		0.12	4.1	0.041	0.0000078	456	58	0.00038	0.0041	0.0039	0.026	0.000075	0.19	60	0.014	0.000051
	December		0.12	4.4	0.040	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000073	0.15	62	0.014	0.000033
	January	**2046**	0.12	4.3	0.041	0.0000077	457	56	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000043
	February		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	March		0.12	4.0	0.040	0.0000075	457	60	0.00036	0.0040	0.0038	0.025	0.000072	0.27	56	0.014	0.000075
	April		0.11	3.8	0.039	0.0000074	458	62	0.00035	0.0039	0.0037	0.025	0.000071	0.26	54	0.014	0.000094
	May		0.11	3.6	0.037	0.0000071	456	64	0.00034	0.0037	0.0035	0.024	0.000068	0.33	53	0.013	0.00010
	June		0.11	3.6	0.037	0.0000071	455	66	0.00034	0.0037	0.0035	0.023	0.000067	0.39	52	0.013	0.00012
	July		0.10	3.4	0.036	0.0000069	458	70	0.00032	0.0036	0.0034	0.023	0.000065	0.43	49	0.012	0.00014
	August		0.099	3.3	0.034	0.0000066	457	73	0.00031	0.0035	0.0032	0.022	0.000062	0.46	49	0.012	0.00015
	September		0.10	3.4	0.035	0.0000068	458	70	0.00032	0.0036	0.0033	0.022	0.000064	0.39	49	0.012	0.00014
	October		0.10	3.4	0.035	0.0000068	458	66	0.00032	0.0035	0.0033	0.022	0.000064	0.33	50	0.012	0.00012
	November		0.12	3.9	0.040	0.0000075	457	64	0.00036	0.0040	0.0038	0.025	0.000072	0.20	56	0.014	0.000092
	December		0.12	4.3	0.041	0.0000077	456	57	0.00037	0.0040	0.0039	0.026	0.000074	0.16	62	0.014	0.000041
	January	**2047**	0.12	4.5	0.040	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000029
	February		0.12	4.5	0.041	0.0000076	457	54	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000029
	March		0.12	4.3	0.041	0.0000077	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.17	60	0.014	0.000044
	April		0.11	3.6	0.037	0.0000071	456	63	0.00034	0.0037	0.0035	0.024	0.000067	0.38	51	0.013	0.00010
	May		0.11	3.5	0.036	0.0000070	460	67	0.00033	0.0037	0.0035	0.023	0.000066	0.33	51	0.013	0.00012
	June		0.11	3.7	0.039	0.0000074	456	63	0.00035	0.0039	0.0037	0.025	0.000071	0.30	54	0.014	0.000095
	July		0.099	3.3	0.034	0.0000067	455	70	0.00031	0.0035	0.0033	0.022	0.000062	0.49	48	0.012	0.00015
	August		0.096	3.2	0.033	0.0000065	441	72	0.00030	0.0034	0.0032	0.021	0.000060	0.45	47	0.012	0.00015
	September		0.10	3.5	0.036	0.0000069	456	66	0.00033	0.0036	0.0034	0.023	0.000065	0.33	50	0.013	0.00012
	October		0.11	3.7	0.038	0.0000072	458	66	0.00034	0.0038	0.0036	0.024	0.000069	0.25	55	0.013	0.00011
	November		0.12	4.2	0.041	0.0000077	457	57	0.00037	0.0040	0.0039	0.026	0.000075	0.19	60	0.014	0.000051
	December		0.12	4.4	0.040	0.0000076	456	54	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000031
	January	**2048**	0.12	4.4	0.041	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000074	0.16	62	0.014	0.000038
	February		0.12	4.5	0.041	0.0000076	457	55	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000033
	March		0.12	4.5	0.040	0.0000075	456	54	0.00037	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000031
	April		0.11	4.0	0.039	0.0000074	459	60	0.00035	0.0039	0.0037	0.025	0.000071	0.29	56	0.014	0.000079
	May		0.12	4.0	0.041	0.0000077	458	62	0.00037	0.0041	0.0039	0.026	0.000074	0.23	57	0.014	0.000081
	June		0.11	3.8	0.039	0.0000075	457	63	0.00036	0.0039	0.0037	0.025	0.000072	0.29	55	0.014	0.000092
	July		0.098	3.2	0.034	0.0000067	456	73	0.00031	0.0034	0.0032	0.022	0.000062	0.67	48	0.012	0.00015
	August		0.096	3.2	0.033	0.0000065	453	79	0.00030	0.0034	0.0032	0.021	0.000060	0.49	48	0.012	0.00018
	September		0.096	3.1	0.033	0.0000064	451	76	0.00030	0.0034	0.0031	0.021	0.000060	0.40	47	0.011	0.00017
	October		0.11	3.6	0.037	0.0000071	460	68	0.00034	0.0037	0.0035	0.024	0.000068	0.23	52	0.013	0.00012
	November		0.12	4.1	0.041	0.0000078	456	62	0.00038	0.0041	0.0039	0.026	0.000075	0.15	60	0.014	0.000074
	December		0.12	4.3	0.041	0.0000077	456	56	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000046
	January	**2049**	0.12	4.0	0.040	0.0000075	456	60	0.00036	0.0039	0.0038	0.025	0.000072	0.24	57	0.014	0.000076
	February		0.12	4.4	0.041	0.0000077	458	56	0.00037	0.0040	0.0039	0.026	0.000074	0.14	64	0.014	0.000037
	March		0.11	4.2	0.039	0.0000074	456	57	0.00035	0.0038	0.0037	0.025	0.000070	0.26	58	0.013	0.000060
	April		0.11	3.8	0.039	0.0000074	457	63	0.00036	0.0039	0.0037	0.025	0.000071	0.21	55	0.014	0.000092
	May		0.11	3.6	0.038	0.0000072	455	65	0.00034	0.0038	0.0036	0.024	0.000068	0.34	53	0.013	0.00011
	June		0.10	3.4	0.035	0.0000068	459	69	0.00032	0.0035	0.0033	0.022	0.000064	0.39	50	0.012	0.00013
	July		0.094	3.1	0.032	0.0000063	449	74	0.00029	0.0033	0.0031	0.021	0.000059	0.54	48	0.011	0.00016
	August		0.10	3.3	0.035	0.0000067	456	74	0.00031	0.0035	0.0033	0.022	0.000063	0.43	48	0.012	0.00016
	September		0.099	3.2	0.034	0.0000067	456	74	0.00031	0.0035	0.0032	0.022	0.000062	0.49	49	0.012	0.00016
	October		0.10	3.3	0.035	0.0000067	456	72	0.00031	0.0035	0.0033	0.022	0.000063	0.37	50	0.012	0.00015
	November		0.11	3.7	0.039	0.0000073	458	65	0.00035	0.0039	0.0037	0.025	0.000070	0.21	53	0.013	0.00011
	December		0.12	4.3	0.041	0.0000077	457	58	0.00037	0.0040	0.0039	0.026	0.000074	0.14	63	0.014	0.000047
	January	**2050**	0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000036
	February		0.12	4.3	0.040	0.0000076	456	55	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000036
	March		0.12	4.1	0.041	0.0000077	457	57	0.00037	0.0040	0.0039	0.026	0.000074	0.17	61	0.014	0.000049
	April		0.10	3.3	0.036	0.0000069	458	66	0.00032	0.0036	0.0034	0.023	0.000065	0.40	49	0.012	0.00013
	May		0.11	3.6	0.039	0.0000074	456	65	0.00035	0.0039	0.0037	0.025	0.000070	0.26	54	0.013	0.00011
	June		0.11	3.3	0.036	0.0000070	456	68	0.00033	0.0036	0.0034	0.023	0.000066	0.38	51	0.013	0.00013
	July		0.11	3.7	0.039	0.0000075	457	63	0.00036	0.0039	0.0037	0.025	0.000071	0.27	57	0.014	0.000088
	August		0.12	3.7	0.040	0.0000076	459	65	0.00036	0.0040	0.0038	0.026	0.000073	0.29	56	0.014	0.00010
	September		0.10	3.3	0.036	0.0000069	456	67	0.00032	0.0036	0.0034	0.023	0.000065	0.39	50	0.012	0.00013
	October		0.12	3.7	0.040	0.0000076	459	64	0.00036	0.0040	0.0038	0.026	0.000073	0.23	57	0.014	0.000093
	November		0.12	3.9	0.041	0.0000078	456	59	0.00038	0.0041	0.0039	0.026	0.000075	0.21	58	0.014	0.000067
	December		0.12	4.2	0.041	0.0000076	456	56	0.00037	0.0040	0.0038	0.026	0.000074	0.14	63	0.014	0.000039

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.0068	0.010	4.5	**0.030**	0.26	0.12	0.00060	886	0.31	**2902**	0.75	0.011	0.0020	0.0018
	November	**2045**	0.0059	0.011	4.9	**0.022**	0.19	0.13	0.00061	886	0.32	**2903**	0.81	0.011	0.0020	0.0018
	December		0.0054	0.010	5.2	**0.018**	0.14	0.13	0.00060	886	0.32	**2904**	0.84	0.011	0.0020	0.0018
	January		0.0056	0.010	5.1	**0.020**	0.17	0.13	0.00061	887	0.32	**2905**	0.82	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	884	0.32	**2898**	0.84	0.011	0.0020	0.0018
	March		0.0071	0.010	4.7	**0.028**	0.27	0.12	0.00059	887	0.30	**2906**	0.75	0.011	0.0019	0.0018
	April		0.0065	0.0099	4.5	**0.032**	0.25	0.12	0.00059	888	0.30	**2911**	0.72	0.010	0.0019	0.0018
	May		0.0075	0.0095	4.3	**0.035**	0.34	0.12	0.00057	886	0.30	**2902**	0.71	0.010	0.0018	0.0017
	June	**2046**	0.0083	0.0094	4.2	**0.038**	0.40	0.12	0.00056	883	0.30	**2894**	0.70	0.010	0.0018	0.0017
	July		0.0086	0.0091	4.0	**0.044**	0.44	0.11	0.00054	889	0.29	**2914**	0.65	0.0097	0.0017	0.0016
	August		0.0089	0.0087	3.9	**0.047**	0.47	0.11	0.00053	886	0.30	**2904**	0.66	0.0095	0.0017	0.0016
	September		0.0079	0.0090	4.0	**0.043**	0.39	0.11	0.00054	889	0.30	**2913**	0.66	0.0096	0.0017	0.0016
	October		0.0072	0.0090	4.0	**0.039**	0.33	0.11	0.00054	888	0.29	**2910**	0.68	0.0097	0.0017	0.0016
	November		0.0057	0.010	4.6	**0.032**	0.19	0.12	0.00060	887	0.31	**2906**	0.76	0.011	0.0019	0.0018
	December		0.0055	0.010	5.1	**0.020**	0.16	0.13	0.00061	886	0.32	**2902**	0.84	0.011	0.0020	0.0018
	January		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	887	0.32	**2905**	0.85	0.011	0.0020	0.0018
	February		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00060	888	0.32	**2909**	0.85	0.011	0.0020	0.0018
	March		0.0057	0.010	5.1	**0.021**	0.17	0.13	0.00060	884	0.31	**2897**	0.81	0.011	0.0020	0.0018
	April		0.0083	0.0094	4.3	**0.036**	0.39	0.11	0.00056	886	0.29	**2903**	0.69	0.0100	0.0018	0.0017
	May		0.0073	0.0093	4.1	**0.039**	0.33	0.11	0.00055	893	0.30	**2926**	0.68	0.0099	0.0018	0.0017
	June		0.0072	0.0099	4.4	**0.033**	0.30	0.12	0.00059	885	0.30	**2901**	0.73	0.011	0.0019	0.0018
	July	**2047**	0.0093	0.0087	3.8	**0.046**	0.50	0.11	0.00053	884	0.29	**2897**	0.65	0.0094	0.0017	0.0016
	August		0.0086	0.0085	3.7	**0.047**	0.46	0.10	0.00051	855	0.29	**2802**	0.64	0.0092	0.0016	0.0015
	September		0.0072	0.0092	4.1	**0.039**	0.33	0.11	0.00055	884	0.29	**2897**	0.67	0.0098	0.0018	0.0016
	October		0.0062	0.0097	4.4	**0.036**	0.24	0.12	0.00057	888	0.31	**2910**	0.74	0.010	0.0019	0.0017
	November		0.0059	0.010	5.0	**0.022**	0.18	0.13	0.00061	886	0.32	**2905**	0.81	0.011	0.0020	0.0018
	December		0.0052	0.010	5.2	**0.017**	0.14	0.13	0.00059	884	0.32	**2897**	0.84	0.011	0.0020	0.0018
	January		0.0055	0.010	5.2	**0.019**	0.15	0.13	0.00060	885	0.32	**2901**	0.83	0.011	0.0020	0.0018
	February		0.0053	0.010	5.3	**0.018**	0.14	0.13	0.00060	887	0.32	**2907**	0.84	0.011	0.0020	0.0018
	March		0.0052	0.010	5.3	**0.017**	0.13	0.13	0.00059	885	0.32	**2899**	0.84	0.011	0.0020	0.0018
	April		0.0073	0.0099	4.8	**0.029**	0.29	0.12	0.00058	891	0.31	**2919**	0.75	0.011	0.0019	0.0018
Operations	**May**		0.0063	0.010	4.7	**0.029**	0.22	0.13	0.00061	889	0.31	**2915**	0.76	0.011	0.0020	0.0018
	June		0.0072	0.010	4.5	**0.032**	0.29	0.12	0.00059	887	0.31	**2907**	0.74	0.011	0.0019	0.0018
	July	**2048**	0.012	0.0087	3.8	**0.049**	0.70	0.11	0.00052	885	0.30	**2901**	0.65	0.0095	0.0017	0.0016
	August		0.0090	0.0085	3.7	**0.053**	0.50	0.10	0.00052	879	0.30	**2881**	0.65	0.0093	0.0016	0.0015
	September		0.0078	0.0084	3.6	**0.050**	0.40	0.10	0.00051	876	0.30	**2870**	0.64	0.0092	0.0016	0.0015
	October		0.0060	0.0095	4.2	**0.038**	0.23	0.12	0.00057	892	0.30	**2924**	0.69	0.010	0.0018	0.0017
	November		0.0054	0.011	4.8	**0.027**	0.14	0.13	0.00062	885	0.32	**2901**	0.80	0.011	0.0020	0.0018
	December		0.0058	0.010	5.0	**0.021**	0.17	0.13	0.00060	885	0.32	**2899**	0.82	0.011	0.0020	0.0018
	January		0.0066	0.010	4.7	**0.028**	0.24	0.12	0.00059	885	0.31	**2900**	0.76	0.011	0.0019	0.0018
	February		0.0054	0.010	5.2	**0.018**	0.14	0.13	0.00060	888	0.33	**2911**	0.86	0.011	0.0020	0.0018
	March		0.0070	0.0099	4.9	**0.024**	0.27	0.12	0.00058	884	0.31	**2898**	0.78	0.011	0.0019	0.0017
	April		0.0060	0.010	4.5	**0.031**	0.21	0.12	0.00059	886	0.31	**2905**	0.74	0.011	0.0019	0.0018
	May		0.0078	0.0096	4.3	**0.035**	0.35	0.12	0.00057	883	0.30	**2895**	0.71	0.010	0.0018	0.0017
	June	**2049**	0.0081	0.0089	4.0	**0.042**	0.40	0.11	0.00054	891	0.30	**2920**	0.68	0.0097	0.0017	0.0016
	July		0.0098	0.0082	3.6	**0.050**	0.55	0.10	0.00050	871	0.30	**2854**	0.65	0.0092	0.0016	0.0015
	August		0.0086	0.0088	3.8	**0.048**	0.44	0.11	0.00053	886	0.30	**2902**	0.65	0.0095	0.0017	0.0016
	September		0.0094	0.0087	3.8	**0.048**	0.50	0.11	0.00053	885	0.30	**2900**	0.67	0.0096	0.0017	0.0016
	October		0.0076	0.0088	3.9	**0.045**	0.37	0.11	0.00053	885	0.30	**2900**	0.67	0.0096	0.0017	0.0016
	November		0.0059	0.0098	4.4	**0.035**	0.21	0.12	0.00058	889	0.30	**2912**	0.71	0.010	0.0019	0.0017
	December		0.0054	0.010	5.1	**0.020**	0.14	0.13	0.00060	887	0.33	**2908**	0.85	0.012	0.0020	0.0018
	January		0.0053	0.010	5.1	**0.017**	0.13	0.13	0.00060	885	0.33	**2901**	0.85	0.011	0.0020	0.0018
	February		0.0053	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.33	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0058	0.010	4.9	**0.020**	0.17	0.13	0.00061	888	0.32	**2908**	0.82	0.011	0.0020	0.0018
	April		0.0085	0.0091	3.9	**0.039**	0.41	0.11	0.00055	889	0.29	**2913**	0.66	0.0097	0.0018	0.0016
	May		0.0067	0.0099	4.2	**0.034**	0.26	0.12	0.00058	885	0.31	**2902**	0.72	0.010	0.0019	0.0017
	June	**2050**	0.0080	0.0092	3.9	**0.040**	0.38	0.11	0.00055	885	0.30	**2901**	0.68	0.0099	0.0018	0.0016
	July		0.0070	0.0100	4.4	**0.030**	0.27	0.12	0.00059	887	0.31	**2906**	0.76	0.011	0.0019	0.0018
	August		0.0072	0.010	4.4	**0.033**	0.29	0.13	0.00060	891	0.31	**2920**	0.75	0.011	0.0020	0.0018
	September		0.0082	0.0091	3.8	**0.040**	0.39	0.11	0.00054	885	0.30	**2900**	0.68	0.0098	0.0017	0.0016
	October		0.0064	0.010	4.3	**0.031**	0.23	0.13	0.00060	890	0.32	**2918**	0.76	0.011	0.0020	0.0018
	November		0.0064	0.011	4.6	**0.025**	0.21	0.13	0.00062	885	0.32	**2899**	0.79	0.011	0.0020	0.0018
	December		0.0054	0.010	5.0	**0.018**	0.14	0.13	0.00060	886	0.33	**2902**	0.84	0.011	0.0020	0.0018

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.12	4.3	0.040	0.0000076	456	55	0.00037	0.0040	0.0038	0.026	0.000073	0.14	63	0.014	0.000038
	February		0.12	4.3	0.040	0.0000076	456	55	0.00036	0.0039	0.0038	0.026	0.000073	0.14	63	0.014	0.000039
	March		0.12	3.9	0.040	0.0000076	457	59	0.00037	0.0040	0.0038	0.026	0.000073	0.21	59	0.014	0.000068
	April		0.091	2.9	0.031	0.0000062	410	65	0.00029	0.0032	0.0030	0.020	0.000057	0.68	45	0.011	0.00014
	May		0.038	1.4	0.013	0.0000026	184	32	0.00012	0.0013	0.0013	0.0084	0.000024	0.14	22	0.0046	0.000068
	June		0.10	3.5	0.036	0.0000068	461	71	0.00032	0.0036	0.0034	0.023	0.000064	0.34	52	0.012	0.00014
	July		0.100	3.2	0.034	0.0000067	457	70	0.00031	0.0035	0.0033	0.022	0.000062	0.45	49	0.012	0.00015
	August		0.021	0.65	0.0071	0.0000014	98	17	0.000064	0.00072	0.00067	0.0045	0.000013	0.097	10	0.0025	0.000040
	September		0.10	3.5	0.035	0.0000067	456	76	0.00032	0.0035	0.0033	0.022	0.000063	0.38	54	0.012	0.00015
	October		0.11	3.5	0.037	0.0000072	459	66	0.00034	0.0037	0.0035	0.024	0.000068	0.28	52	0.013	0.00012
	November		0.12	3.7	0.040	0.0000076	455	64	0.00036	0.0040	0.0038	0.025	0.000072	0.23	56	0.014	0.000097
	December		0.12	4.1	0.041	0.0000077	456	57	0.00037	0.0040	0.0039	0.026	0.000074	0.17	62	0.014	0.000050
	January	**2052**	0.073	5.5	0.025	0.0000048	459	47	0.00023	0.0025	0.0024	0.016	0.000045	0.12	53	0.0087	0.000035
	February		0.062	5.5	0.021	0.0000041	454	46	0.00019	0.0021	0.0020	0.013	0.000039	0.12	53	0.0074	0.000034
	March		0.061	5.4	0.021	0.0000040	454	47	0.00019	0.0021	0.0020	0.013	0.000038	0.13	53	0.0072	0.000036
	April		0.041	3.5	0.014	0.0000030	455	64	0.00013	0.0015	0.0014	0.0091	0.000026	0.41	47	0.0050	0.00012
	May		0.044	3.8	0.015	0.0000032	457	62	0.00014	0.0016	0.0015	0.0097	0.000028	0.36	46	0.0054	0.00012
	June		0.046	3.9	0.016	0.0000032	455	63	0.00014	0.0016	0.0015	0.010	0.000029	0.28	48	0.0055	0.00012
	July		0.038	3.3	0.013	0.0000028	456	68	0.00012	0.0014	0.0013	0.0083	0.000024	0.50	46	0.0046	0.00015
	August		0.039	3.3	0.013	0.0000028	458	69	0.00012	0.0014	0.0013	0.0085	0.000024	0.37	48	0.0047	0.00014
	September		0.048	4.1	0.017	0.0000034	460	62	0.00015	0.0017	0.0016	0.011	0.000030	0.24	48	0.0058	0.00011
	October		0.054	4.7	0.019	0.0000037	455	56	0.00017	0.0019	0.0018	0.012	0.000034	0.22	49	0.0065	0.000085
	November		0.061	5.4	0.021	0.0000041	454	48	0.00019	0.0021	0.0020	0.013	0.000038	0.13	53	0.0073	0.000040
	December		0.060	5.3	0.021	0.0000040	454	48	0.00019	0.0020	0.0020	0.013	0.000038	0.13	54	0.0072	0.000036
		MINIMUM	0.021	0.65	0.0071	0.0000014	98	17	0.000064	0.00072	0.00067	0.0045	0.000013	0.097	10	0.0025	0.000010
		MAXIMUM	0.12	6.0	0.041	0.0000078	461	87	0.00038	0.0041	0.0039	0.026	0.000075	0.81	78	0.014	0.00018
		AVERAGE	0.11	3.9	0.037	0.0000069	452	62	0.00033	0.0037	0.0035	0.023	0.000067	0.28	56	0.013	0.000085
Decommissioning	**January**	**2053**	0.0034	5.2	0.0012	0.00000041	439	73	0.000011	0.00012	0.00011	0.00077	0.0000022	0.19	85	0.00045	0.000032
	February		0.0000063	4.9	0.000020	0.00000015	438	74	5.1E-08	0.0000046	0.00000048	0.000021	1.3E-08	0.19	88	0.000041	0.000025
	March		0.00010	4.8	0.000062	0.00000021	422	75	0.00000037	0.000023	0.0000062	0.000044	7.2E-08	0.29	85	0.000062	0.000040
	April		0.000041	4.8	0.000084	0.00000039	287	84	0.00000033	0.00014	0.000023	0.000050	3.1E-08	0.52	60	0.00012	0.00016
	May		0.000014	4.7	0.000061	0.0000003	308	81	0.0000002	0.00011	0.000018	0.000039	1.4E-08	0.36	64	0.00011	0.00013
	June		0.0000062	4.6	0.000050	0.00000028	361	83	0.00000015	0.000085	0.000014	0.000035	1.1E-08	0.33	74	0.000089	0.00011
	July		0.000014	4.5	0.000063	0.00000033	327	83	0.0000002	0.00011	0.000018	0.000040	1.5E-08	0.43	68	0.00010	0.00013
	August		0.000069	4.4	0.000088	0.0000004	329	83	0.00000037	0.00011	0.000019	0.000051	4.9E-08	0.60	68	0.00011	0.00013
	September		0.0041	3.8	0.0015	0.00000062	239	73	0.000013	0.00027	0.00016	0.00094	0.0000026	0.49	48	0.00060	0.00016
	October		0.0000046	4.6	0.000056	0.00000029	303	84	0.00000017	0.00011	0.000018	0.000037	8.1E-09	0.36	63	0.00010	0.00015
	November		0.0000054	4.2	0.000044	0.00000024	363	81	0.00000014	0.000074	0.000012	0.000032	1.0E-08	0.26	74	0.000082	0.00010
	December		0.0000063	4.1	0.000020	0.00000015	439	75	5.1E-08	0.0000052	0.00000057	0.000021	1.3E-08	0.19	88	0.000042	0.000026
	January	**2054**	0.0000047	4.0	0.000017	0.00000013	442	74	4.1E-08	0.0000039	0.00000039	0.000019	1.2E-08	0.19	89	0.000040	0.000020
	February		0.0000042	3.9	0.000016	0.00000012	442	74	3.8E-08	0.0000036	0.00000036	0.000019	1.2E-08	0.19	89	0.000040	0.000018
	March		0.0000041	3.9	0.000022	0.00000015	419	75	6.0E-08	0.000022	0.0000034	0.000022	1.1E-08	0.23	85	0.000050	0.000037
	April		0.0000037	3.7	0.000051	0.00000031	347	79	0.00000014	0.000085	0.000014	0.000033	9.1E-09	0.48	71	0.000089	0.00010
	May		0.0000031	3.7	0.000061	0.00000032	302	83	0.00000018	0.00012	0.000020	0.000039	8.0E-09	0.42	63	0.00011	0.00014
	June		0.0000036	3.6	0.000048	0.00000026	342	81	0.00000015	0.000090	0.000015	0.000034	9.1E-09	0.34	70	0.000091	0.00011
	July		0.0000035	3.5	0.000056	0.0000003	326	82	0.00000017	0.00010	0.000017	0.000036	8.7E-09	0.42	67	0.00010	0.00012
	August		0.000058	3.3	0.000092	0.00000041	257	80	0.00000038	0.00014	0.000025	0.000053	4.1E-08	0.63	54	0.00012	0.00016
	September		0.0000036	3.6	0.000056	0.00000029	308	85	0.00000017	0.00011	0.000018	0.000036	7.7E-09	0.40	64	0.00010	0.00015
	October		0.0000035	3.2	0.000052	0.00000027	335	83	0.00000016	0.00010	0.000017	0.000036	9.0E-09	0.33	69	0.000099	0.00012
	November		0.0000037	3.2	0.000037	0.00000021	372	78	0.00000011	0.000059	0.0000095	0.000028	9.9E-09	0.31	76	0.000073	0.000079
	December		0.0000042	3.1	0.000016	0.00000012	440	74	3.8E-08	0.0000038	0.00000039	0.000019	1.2E-08	0.19	89	0.000040	0.000019
	January	**2055**	0.0000040	3.0	0.000014	0.0000001	437	74	3.7E-08	0.0000052	0.00000065	0.000019	1.1E-08	0.19	88	0.000040	0.000018
	February		0.0000039	2.9	0.000013	9.4E-08	440	74	3.4E-08	0.0000037	0.00000041	0.000018	1.1E-08	0.19	89	0.000039	0.000016
	March		0.0000039	2.8	0.000013	9.4E-08	439	73	3.4E-08	0.0000032	0.00000033	0.000018	1.1E-08	0.19	88	0.000039	0.000015
	April		0.0000036	2.8	0.000035	0.00000017	364	78	0.00000011	0.000068	0.000011	0.000029	9.4E-09	0.22	74	0.000078	0.000081
	May		0.0000038	2.7	0.000038	0.00000017	354	81	0.00000013	0.000081	0.000013	0.000032	9.2E-09	0.19	73	0.000085	0.000098
	June		0.0000034	2.6	0.000041	0.00000018	364	84	0.00000014	0.000086	0.000014	0.000033	9.3E-09	0.20	75	0.000087	0.00010
	July		0.0000035	2.5	0.000046	0.0000002	319	81	0.00000016	0.00010	0.000017	0.000035	8.4E-09	0.19	66	0.00010	0.00012
	August		0.0000040	2.4	0.000049	0.00000021	332	85	0.00000017	0.00011	0.000018	0.000038	8.8E-09	0.18	69	0.00010	0.00013
	September		0.0000035	2.4	0.000042	0.00000019	362	85	0.00000015	0.000092	0.000015	0.000035	9.4E-09	0.19	74	0.000091	0.00011
	October		0.0000035	2.3	0.000041	0.00000018	371	85	0.00000014	0.000087	0.000014	0.000034	9.7E-09	0.19	76	0.000087	0.00011
	November		0.0000037	2.2	0.000022	0.00000012	407	76	6.9E-08	0.000032	0.0000050	0.000023	1.1E-08	0.19	82	0.000055	0.000048
	December		0.0000039	2.1	0.000013	9.5E-08	441	74	3.4E-08	0.0000038	0.00000042	0.000018	1.2E-08	0.19	89	0.000039	0.000016

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Efflue

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.0054	0.010	5.0	**0.017**	0.13	0.13	0.00060	886	0.33	**2902**	0.85	0.011	0.0020	0.0018
	February		0.0054	0.010	5.0	**0.017**	0.13	0.13	0.00059	886	0.33	**2902**	0.85	0.011	0.0020	0.0018
	March		0.0063	0.010	4.6	**0.024**	0.20	0.13	0.00060	887	0.32	**2906**	0.79	0.011	0.0020	0.0018
	April		0.012	0.0080	3.4	**0.043**	0.71	0.098	0.00048	795	0.28	**2607**	0.60	0.0087	0.0015	0.0014
	May		0.0029	0.0034	1.6	**0.020**	0.14	0.041	0.00020	357	0.13	**1171**	0.29	0.0037	0.00065	0.00061
	June		0.0072	0.0090	4.1	**0.041**	0.35	0.11	0.00054	894	0.31	**2930**	0.70	0.0096	0.0017	0.0016
	July		0.0090	0.0088	3.7	**0.044**	0.47	0.11	0.00053	888	0.30	**2909**	0.66	0.0095	0.0017	0.0016
	August		0.0018	0.0018	0.76	**0.012**	0.099	0.022	0.00011	191	0.067	626	0.14	0.0020	0.00035	0.00033
	September		0.0073	0.0089	4.1	**0.045**	0.38	0.11	0.00053	886	0.33	**2903**	0.73	0.0095	0.0017	0.0016
	October		0.0068	0.0095	4.1	**0.037**	0.28	0.12	0.00057	891	0.30	**2920**	0.69	0.010	0.0018	0.0017
	November		0.0065	0.010	4.3	**0.031**	0.23	0.12	0.00060	882	0.32	**2891**	0.76	0.011	0.0019	0.0018
	December		0.0057	0.010	4.8	**0.020**	0.16	0.13	0.00060	885	0.33	**2901**	0.84	0.011	0.0020	0.0018
	January	**2052**	0.0036	0.0063	6.5	**0.016**	0.11	0.086	0.00037	890	0.28	**2916**	0.71	0.0085	0.0012	0.0011
	February		0.0032	0.0054	6.5	**0.016**	0.11	0.076	0.00032	880	0.28	**2885**	0.70	0.0080	0.0010	0.00095
	March		0.0033	0.0053	6.3	**0.017**	0.12	0.075	0.00031	881	0.28	**2886**	0.71	0.0080	0.0010	0.00094
	April		0.0064	0.0036	4.2	**0.038**	0.42	0.056	0.00023	884	0.29	**2896**	0.64	0.0068	0.00070	0.00069
	May		0.0058	0.0039	4.5	**0.038**	0.36	0.058	0.00025	887	0.28	**2905**	0.61	0.0067	0.00075	0.00073
	June		0.0046	0.0040	4.6	**0.036**	0.28	0.060	0.00025	884	0.29	**2897**	0.65	0.0070	0.00077	0.00075
	July		0.0075	0.0034	3.8	**0.044**	0.51	0.052	0.00022	885	0.29	**2899**	0.61	0.0065	0.00064	0.00064
	August		0.0056	0.0034	3.9	**0.042**	0.37	0.054	0.00022	888	0.29	**2911**	0.64	0.0067	0.00065	0.00065
	September		0.0042	0.0042	4.9	**0.035**	0.23	0.062	0.00026	893	0.29	**2926**	0.64	0.0071	0.00081	0.00078
	October		0.0043	0.0048	5.5	**0.028**	0.22	0.068	0.00029	884	0.28	**2896**	0.66	0.0074	0.00092	0.00086
	November		0.0034	0.0054	6.4	**0.018**	0.13	0.076	0.00032	882	0.28	**2890**	0.70	0.0080	0.0010	0.00095
	December		0.0032	0.0053	6.3	**0.016**	0.12	0.075	0.00031	882	0.29	**2889**	0.72	0.0080	0.0010	0.00093
		MINIMUM	0.0018	0.0018	0.76	**0.012**	0.099	0.022	0.00011	191	0.067	626	0.14	0.0020	0.00035	0.00033
		MAXIMUM	0.013	0.011	7.0	**0.055**	0.85	0.13	0.00062	896	0.40	**2935**	1.1	0.013	0.0020	0.0018
		AVERAGE	0.0065	0.0093	4.6	**0.031**	0.28	0.12	0.00055	877	0.30	**2874**	0.75	0.010	0.0018	0.0017
Decommissioning	**January**	**2053**	0.00091	0.00030	6.2	**0.019**	0.18	0.041	0.000025	256	0.41	312	1.2	0.0091	0.000058	0.000091
	February		0.00060	0.0000033	5.8	**0.019**	0.19	0.039	0.0000060	183	0.42	7.6	1.2	0.0094	0.00000012	0.000040
	March		0.0022	0.000016	5.7	**0.023**	0.29	0.038	0.0000095	179	0.41	24	1.2	0.0091	0.0000018	0.000047
	April		0.0054	0.000043	5.6	**0.050**	0.53	0.025	0.000030	121	0.34	68	0.82	0.0064	0.00000088	0.000089
	May		0.0032	0.000033	5.5	**0.043**	0.37	0.027	0.000025	128	0.35	52	0.87	0.0068	0.00000037	0.000078
	June		0.0027	0.000026	5.5	**0.039**	0.33	0.032	0.000021	150	0.39	41	1.0	0.0079	0.00000022	0.000071
	July		0.0041	0.000032	5.3	**0.044**	0.43	0.029	0.000025	136	0.37	51	0.92	0.0072	0.00000038	0.000078
	August		0.0069	0.000037	5.2	**0.044**	0.63	0.029	0.000025	140	0.37	54	0.93	0.0073	0.0000013	0.000079
	September		0.0054	0.00040	4.4	**0.047**	0.50	0.023	0.000049	147	0.28	257	0.64	0.0052	0.000070	0.00014
	October		0.0027	0.000032	5.4	**0.047**	0.36	0.025	0.000025	127	0.35	65	0.86	0.0063	0.00000022	0.000076
	November		0.0015	0.000023	5.0	**0.036**	0.25	0.032	0.000019	150	0.39	38	1.0	0.0080	0.00000019	0.000066
	December		0.00060	0.0000034	4.8	**0.019**	0.19	0.040	0.0000061	183	0.42	7.9	1.2	0.0095	0.00000012	0.000040
	January	**2054**	0.00050	0.0000029	4.7	**0.019**	0.19	0.040	0.0000049	184	0.42	5.9	1.2	0.0095	9.9E-08	0.000038
	February		0.00047	0.0000027	4.6	**0.019**	0.19	0.040	0.0000045	185	0.42	5.4	1.2	0.0095	9.2E-08	0.000038
	March		0.00100	0.0000078	4.6	**0.023**	0.22	0.038	0.0000079	175	0.41	13	1.2	0.0090	0.00000011	0.000044
	April		0.0048	0.000025	4.4	**0.038**	0.49	0.031	0.000020	146	0.37	39	0.97	0.0076	0.00000018	0.000069
	May		0.0039	0.000035	4.4	**0.047**	0.42	0.026	0.000027	125	0.35	56	0.86	0.0067	0.00000022	0.000082
	June		0.0028	0.000027	4.2	**0.039**	0.34	0.031	0.000021	142	0.37	42	0.96	0.0076	0.00000019	0.000071
	July		0.0039	0.000031	4.1	**0.043**	0.43	0.029	0.000024	136	0.36	49	0.92	0.0073	0.00000021	0.000077
	August		0.0071	0.000045	3.8	**0.051**	0.65	0.022	0.000030	109	0.31	66	0.74	0.0058	0.0000012	0.000087
	September		0.0032	0.000033	4.2	**0.048**	0.40	0.026	0.000025	128	0.36	58	0.87	0.0065	0.00000021	0.000077
	October		0.0026	0.000030	3.8	**0.043**	0.33	0.030	0.000023	139	0.37	47	0.94	0.0075	0.0000002	0.000076
	November		0.0021	0.000018	3.8	**0.033**	0.31	0.033	0.000015	155	0.38	30	1.0	0.0081	0.00000015	0.000058
	December		0.00047	0.0000028	3.6	**0.019**	0.19	0.040	0.0000046	184	0.42	5.6	1.2	0.0095	9.2E-08	0.000038
	January	**2055**	0.00039	0.0000031	3.5	**0.020**	0.19	0.039	0.0000042	183	0.42	5.7	1.2	0.0094	7.8E-08	0.000038
	February		0.00035	0.0000027	3.4	**0.019**	0.19	0.040	0.0000037	184	0.42	5.0	1.2	0.0095	7.2E-08	0.000037
	March		0.00035	0.0000025	3.3	**0.019**	0.19	0.040	0.0000036	183	0.42	4.8	1.2	0.0095	7.1E-08	0.000037
	April		0.00076	0.000021	3.3	**0.033**	0.21	0.032	0.000016	151	0.38	31	1.0	0.0079	0.00000014	0.000061
	May		0.00041	0.000024	3.2	**0.037**	0.18	0.031	0.000018	146	0.37	38	0.99	0.0077	0.00000016	0.000067
	June		0.00057	0.000026	3.1	**0.038**	0.19	0.032	0.000019	150	0.39	40	1.0	0.0079	0.00000017	0.000070
	July		0.00051	0.000031	3.0	**0.041**	0.17	0.028	0.000023	131	0.35	47	0.90	0.0070	0.00000019	0.000075
	August		0.00039	0.000033	2.9	**0.044**	0.17	0.029	0.000024	136	0.37	51	0.93	0.0073	0.0000002	0.000080
	September		0.00037	0.000028	2.8	**0.040**	0.17	0.032	0.000021	149	0.39	43	1.0	0.0079	0.00000017	0.000073
	October		0.00036	0.000026	2.7	**0.039**	0.18	0.032	0.000020	153	0.39	40	1.0	0.0080	0.00000017	0.000071
	November		0.00035	0.000011	2.6	**0.026**	0.18	0.037	0.0000090	169	0.40	18	1.1	0.0088	0.0000001	0.000048
	December		0.00035	0.0000027	2.5	**0.019**	0.19	0.040	0.0000037	184	0.42	5.2	1.2	0.0095	7.2E-08	0.000037

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Effluent Discharge

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.0000028	2.0	0.000011	7.4E-08	438	73	2.9E-08	0.0000027	0.00000024	0.000018	1.1E-08	0.19	88	0.000038	0.000012
	February		0.0000025	1.9	0.000011	6.8E-08	440	73	2.8E-08	0.0000030	0.00000031	0.000018	1.1E-08	0.19	89	0.000037	0.000012
	March		0.0000030	1.8	0.000030	0.00000013	381	79	0.0000001	0.000061	0.0000098	0.000028	9.6E-09	0.19	78	0.000071	0.000072
	April		0.0000025	1.8	0.000026	0.00000012	395	79	8.9E-08	0.000051	0.0000082	0.000026	9.9E-09	0.19	80	0.000065	0.000064
	May		0.0000027	1.7	0.000024	0.00000011	407	78	8.0E-08	0.000043	0.0000069	0.000025	1.0E-08	0.19	82	0.000062	0.000053
	June		0.0000029	1.6	0.000026	0.00000012	401	80	8.9E-08	0.000050	0.0000081	0.000026	1.0E-08	0.19	81	0.000065	0.000063
	July		0.0000024	1.5	0.000037	0.00000016	362	81	0.00000013	0.000082	0.000013	0.000032	8.9E-09	0.19	74	0.000085	0.000094
	August		0.0000032	1.4	0.000039	0.00000016	349	81	0.00000014	0.000088	0.000014	0.000033	9.0E-09	0.19	72	0.000088	0.00010
	September		0.0000023	1.3	0.000046	0.00000019	336	85	0.00000016	0.00011	0.000018	0.000037	8.4E-09	0.18	69	0.00010	0.00013
	October		0.0000022	1.2	0.000041	0.00000017	373	87	0.00000014	0.000094	0.000015	0.000035	9.2E-09	0.19	77	0.000089	0.00011
	November		0.0000024	1.1	0.000020	9.9E-08	421	78	6.4E-08	0.000031	0.0000049	0.000023	1.0E-08	0.19	85	0.000053	0.000044
	December		0.0000025	1.1	0.000010	6.8E-08	440	73	2.8E-08	0.0000028	0.00000027	0.000018	1.1E-08	0.19	88	0.000037	0.000012
	January	**2057**	0.00000078	0.97	0.0000061	3.5E-08	442	73	1.7E-08	0.0000011	7.5E-08	0.000016	1.0E-08	0.20	89	0.000035	0.0000048
	February		0.0000003	0.89	0.0000048	2.5E-08	438	72	1.4E-08	0.00000067	3.6E-08	0.000015	9.9E-09	0.19	88	0.000035	0.0000027
	March		0.00000033	0.81	0.0000049	2.5E-08	439	72	1.4E-08	0.00000069	3.8E-08	0.000015	9.9E-09	0.19	88	0.000035	0.0000027
	April		0.0000012	0.76	0.000029	0.00000011	388	82	0.00000011	0.000071	0.000012	0.000029	9.1E-09	0.20	79	0.000074	0.000077
	May		0.00000039	0.66	0.000023	8.8E-08	405	81	8.2E-08	0.000054	0.0000088	0.000026	9.1E-09	0.19	82	0.000064	0.000063
	June		0.00000044	0.57	0.000014	5.8E-08	427	77	4.9E-08	0.000028	0.0000045	0.000021	9.6E-09	0.20	86	0.000050	0.000031
	July		0.0000010	0.50	0.000036	0.00000013	379	86	0.00000013	0.000091	0.000015	0.000033	8.6E-09	0.20	78	0.000086	0.00010
	August		0.00000089	0.41	0.000040	0.00000015	369	88	0.00000014	0.00010	0.000017	0.000035	8.5E-09	0.19	76	0.000091	0.00011
	September		0.00000034	0.31	0.000037	0.00000014	386	88	0.00000013	0.000094	0.000015	0.000034	8.7E-09	0.19	79	0.000087	0.00010
	October		0.0000003	0.23	0.000020	7.6E-08	413	80	6.9E-08	0.000043	0.0000071	0.000024	9.4E-09	0.19	84	0.000059	0.000051
	November		0.00000029	0.14	0.0000091	4.0E-08	430	74	3.0E-08	0.000013	0.0000021	0.000018	9.8E-09	0.19	87	0.000042	0.000017
	December		0.0000032	0.088	0.0000068	3.0E-08	437	72	2.6E-08	0.0000033	0.00000055	0.000016	1.2E-08	0.20	88	0.000037	0.0000056
		MINIMUM	0.00000029	0.088	0.0000048	2.5E-08	239	72	1.4E-08	0.00000067	3.6E-08	0.000015	7.7E-09	0.18	48	0.000035	0.0000027
		MAXIMUM	0.0041	5.2	0.0015	0.00000062	442	88	0.000013	0.00027	0.00016	0.00094	0.0000026	0.63	89	0.00060	0.00016
		AVERAGE	0.00013	2.5	0.000078	0.00000018	382	79	0.00000051	0.000063	0.000014	0.000057	9.1E-08	0.26	78	0.000087	0.000074

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-17: Scenario 14: Alternative Waste Rock Storage Area Scenario - Treated Efflue

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.00027	0.0000021	2.4	**0.019**	0.19	0.040	0.0000029	183	0.41	3.8	1.2	0.0094	5.7E-08	0.000036
	February		0.00025	0.0000022	2.3	**0.019**	0.19	0.040	0.0000028	184	0.42	3.8	1.2	0.0095	5.4E-08	0.000036
	March		0.00031	0.000018	2.2	**0.032**	0.18	0.034	0.000014	158	0.39	27	1.1	0.0082	0.00000013	0.000058
	April		0.00028	0.000016	2.1	**0.030**	0.18	0.035	0.000012	164	0.40	24	1.1	0.0086	0.00000011	0.000055
	May		0.00029	0.000013	2.0	**0.028**	0.18	0.036	0.000010	169	0.40	20	1.1	0.0088	0.00000011	0.000052
	June		0.00028	0.000015	1.9	**0.031**	0.18	0.035	0.000012	166	0.40	24	1.1	0.0086	0.00000012	0.000055
	July		0.00030	0.000024	1.8	**0.037**	0.17	0.032	0.000018	149	0.38	36	1.0	0.0079	0.00000015	0.000067
	August		0.00033	0.000026	1.7	**0.038**	0.17	0.030	0.000019	144	0.37	40	0.98	0.0075	0.00000017	0.000069
	September		0.00027	0.000032	1.6	**0.043**	0.17	0.029	0.000023	138	0.37	48	0.95	0.0074	0.00000018	0.000078
	October		0.00024	0.000028	1.5	**0.041**	0.17	0.033	0.000020	153	0.40	42	1.0	0.0082	0.00000017	0.000074
	November		0.00024	0.000010	1.4	**0.027**	0.18	0.038	0.0000082	175	0.41	16	1.2	0.0091	8.8E-08	0.000048
	December		0.00025	0.0000021	1.3	**0.019**	0.19	0.040	0.0000028	184	0.41	3.6	1.2	0.0095	5.4E-08	0.000036
	January	**2057**	0.00011	0.0000014	1.2	**0.019**	0.19	0.040	0.0000011	185	0.41	1.7	1.2	0.0095	2.5E-08	0.000034
	February		0.000072	0.0000011	1.1	**0.019**	0.19	0.040	0.00000063	183	0.41	1.1	1.2	0.0095	1.7E-08	0.000033
	March		0.000072	0.0000012	0.99	**0.019**	0.19	0.040	0.00000063	183	0.41	1.1	1.2	0.0095	1.7E-08	0.000033
	April		0.00015	0.000021	0.92	**0.035**	0.18	0.034	0.000014	161	0.39	30	1.1	0.0084	0.00000012	0.000062
	May		0.000076	0.000016	0.81	**0.032**	0.18	0.036	0.000011	168	0.40	25	1.1	0.0088	8.8E-08	0.000055
	June		0.000087	0.0000088	0.70	**0.025**	0.19	0.038	0.0000059	178	0.41	12	1.2	0.0092	5.2E-08	0.000045
	July		0.00015	0.000027	0.61	**0.040**	0.18	0.033	0.000018	156	0.40	39	1.1	0.0082	0.00000014	0.000071
	August		0.00011	0.000030	0.50	**0.043**	0.18	0.033	0.000020	152	0.39	44	1.0	0.0081	0.00000015	0.000075
	September		0.000089	0.000028	0.40	**0.041**	0.18	0.034	0.000019	159	0.40	40	1.1	0.0085	0.00000014	0.000073
	October		0.000077	0.000013	0.30	**0.030**	0.18	0.037	0.0000090	172	0.41	20	1.1	0.0090	7.1E-08	0.000051
	November		0.000075	0.0000047	0.20	**0.022**	0.19	0.039	0.0000031	179	0.41	6.6	1.2	0.0093	3.3E-08	0.000038
	December		0.00011	0.0000021	0.14	**0.020**	0.19	0.040	0.0000012	183	0.41	2.3	1.2	0.0094	6.7E-08	0.000034
		MINIMUM	0.000072	0.0000011	0.14	**0.019**	0.17	0.022	0.00000063	109	0.28	1.1	0.64	0.0052	1.7E-08	0.000033
		MAXIMUM	0.0071	0.00040	6.2	**0.051**	0.65	0.041	0.000049	256	0.42	312	1.2	0.0095	0.000070	0.00014
		AVERAGE	0.0013	0.000029	3.0	**0.032**	0.25	0.034	0.000015	161	0.39	37	1.1	0.0083	0.0000023	0.000060

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Construction	January	2025	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2026	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2027	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2028	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	January	2029	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Construction	**January**	**2025**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2026**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
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	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2027**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2028**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**January**	**2029**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2030**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2031**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2032**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2033**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2034**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2035**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January	**2030**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2031**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2032**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**August**		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2033**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2034**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2035**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

Time Period	Month	Year	Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
			mg/L	mg/L as N	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L	mg/L	mg/L	mg/L
	Proposed Environmental Release Target		0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	April	2035	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2036	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2037	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2038	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2039	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	2040	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August	**2035**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July	**2036**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2037**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**November**		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2038**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2039**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April	**2040**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October	**2040**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2041**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2042**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Operations	**February**		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2043**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2044**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July	**2045**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	July	**2040**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2041**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2042**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**January**	**2043**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2044**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2045**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**October**	**2045**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2046**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2047**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2048**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2049**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2050**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November	**2045**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2046**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2047**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Operations	**May**		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2048**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2049**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June	**2050**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Operations	**January**	**2051**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2052**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Decommissioning	**January**	**2053**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2054**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2055**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Operations	**January**	**2051**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2052**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Decommissioning	**January**	**2053**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2054**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2055**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Decommissioning	**January**	**2056**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	January	**2057**	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	February		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	March		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	April		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	May		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	June		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	July		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	August		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	September		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	October		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	November		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
	December		0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MINIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		MAXIMUM	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
		AVERAGE	0.0038	0.022	0.000095	0.0000049	3.6	0.57	0.00020	0.000050	0.00012	0.086	0.000047	0.013	1.2	0.021	0.0000014
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0067	0.025	0.000076	0.0000064	0.12	0.19	0.000032	0.00013	0.000026	0.0040	0.0000064	0.0013	0.034	0.011	0.00000057
	April		0.022	0.085	0.00026	0.000021	0.51	0.65	0.00011	0.00042	0.000089	0.016	0.000023	0.0048	0.16	0.039	0.0000019
	May		0.035	0.13	0.00040	0.000033	0.60	1.00	0.00017	0.00066	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	June		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0017	0.0066	0.000020	0.0000016	0.030	0.049	0.0000083	0.000033	0.0000066	0.0010	0.0000017	0.00033	0.0089	0.0030	0.00000015
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.0070	0.026	0.000079	0.0000066	0.12	0.20	0.000033	0.00013	0.000027	0.0041	0.0000067	0.0013	0.035	0.012	0.00000059
	May		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00074	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000033
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	April		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	May		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	June		0.044	0.16	0.00049	0.000041	0.75	1.2	0.00021	0.00082	0.00017	0.026	0.000042	0.0084	0.22	0.074	0.0000037
	July		0.040	0.15	0.00045	0.000037	0.68	1.1	0.00019	0.00075	0.00015	0.023	0.000038	0.0076	0.20	0.067	0.0000034
	August		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	September		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	October		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	November		0.0035	0.013	0.000039	0.0000033	0.060	0.099	0.000017	0.000066	0.000013	0.0021	0.0000033	0.00067	0.018	0.0059	0.0000003
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Decommissioning	**January**	**2056**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	January	**2057**	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	February		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	March		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	April		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	May		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	June		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	July		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	August		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	September		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	October		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	November		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
	December		0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MINIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		MAXIMUM	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
		AVERAGE	0.000053	0.000073	0.090	0.0075	0.0036	0.33	0.000047	1.4	0.030	1.5	0.0048	0.000051	0.00015	0.00080
Reclamation	**January**	**2058**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000013	0.00017	0.0059	0.00022	0.00032	0.025	0.0000064	0.060	0.0013	0.25	0.00064	0.0000065	0.000026	0.00045
	April		0.000044	0.00055	0.023	0.0010	0.0012	0.094	0.000023	0.25	0.0055	0.88	0.0023	0.000023	0.000090	0.0015
	May		0.000067	0.00086	0.031	0.0012	0.0017	0.13	0.000034	0.31	0.0069	1.3	0.0034	0.000034	0.00013	0.0023
	June		0.000089	0.0012	0.041	0.0016	0.0023	0.17	0.000045	0.42	0.0093	1.7	0.0045	0.000045	0.00018	0.0031
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.16	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	September		0.000056	0.00073	0.026	0.00098	0.0014	0.11	0.000028	0.26	0.0059	1.1	0.0028	0.000028	0.00011	0.0020
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.10	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	November		0.0000033	0.000043	0.0015	0.000058	0.000084	0.0064	0.0000017	0.016	0.00034	0.065	0.00017	0.0000017	0.0000066	0.00012
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2059**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	April		0.000013	0.00017	0.0061	0.00023	0.00034	0.026	0.0000067	0.062	0.0014	0.26	0.00067	0.0000067	0.000027	0.00046
	May		0.000075	0.00096	0.034	0.0013	0.0019	0.14	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.16	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000074	0.00095	0.034	0.0013	0.0019	0.14	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.12	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.13	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000080	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2060**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000032	0.000041	0.0015	0.000056	0.000081	0.0062	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	April		0.000040	0.00051	0.018	0.00069	0.0010	0.077	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000080	0.0014
	May		0.000064	0.00083	0.030	0.0011	0.0016	0.12	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	June		0.000083	0.0011	0.038	0.0014	0.0021	0.16	0.000042	0.39	0.0086	1.6	0.0042	0.000042	0.00017	0.0029
	July		0.000075	0.00097	0.035	0.0013	0.0019	0.15	0.000038	0.35	0.0078	1.5	0.0038	0.000038	0.00015	0.0026
	August		0.000080	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	September		0.000076	0.00098	0.035	0.0013	0.0019	0.15	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	October		0.000054	0.00070	0.025	0.00095	0.0014	0.10	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	November		0.0000066	0.000085	0.0031	0.00012	0.00017	0.013	0.0000033	0.031	0.00069	0.13	0.00033	0.0000033	0.000013	0.00023
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.0062	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**January**	**2061**	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	April		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.023	0.087	0.00026	0.000022	0.39	0.65	0.00011	0.00043	0.000088	0.014	0.000022	0.0044	0.12	0.039	0.0000020
	June		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	July		0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
	August		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.035	0.13	0.00040	0.000033	0.61	1.0	0.00017	0.00067	0.00013	0.021	0.000034	0.0068	0.18	0.060	0.0000030
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2062**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.0087	0.033	0.000099	0.0000082	0.15	0.25	0.000042	0.00016	0.000033	0.0052	0.0000083	0.0017	0.044	0.015	0.00000074
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.042	0.16	0.00048	0.000040	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0081	0.21	0.072	0.0000036
	August		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	September		0.042	0.16	0.00047	0.000039	0.72	1.2	0.00020	0.00079	0.00016	0.025	0.000040	0.0080	0.21	0.071	0.0000036
	October		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	November		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2063**	0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	February		0.0037	0.014	0.000042	0.0000035	0.064	0.11	0.000018	0.000070	0.000014	0.0022	0.0000036	0.00072	0.019	0.0063	0.00000032
	March		0.0084	0.032	0.000095	0.0000079	0.14	0.24	0.000040	0.00016	0.000032	0.0050	0.0000081	0.0016	0.043	0.014	0.00000072
	April		0.016	0.060	0.00018	0.000015	0.27	0.45	0.000076	0.00030	0.000061	0.0094	0.000015	0.0031	0.081	0.027	0.0000014
	May		0.039	0.15	0.00044	0.000037	0.66	1.1	0.00018	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	June		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00075	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.039	0.15	0.00044	0.000037	0.67	1.1	0.00019	0.00073	0.00015	0.023	0.000037	0.0075	0.20	0.066	0.0000033
	September		0.037	0.14	0.00041	0.000034	0.63	1.0	0.00017	0.00069	0.00014	0.022	0.000035	0.0070	0.19	0.062	0.0000031
	October		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2064**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.016	0.059	0.00018	0.000015	0.27	0.45	0.000075	0.00030	0.000060	0.0093	0.000015	0.0030	0.080	0.027	0.0000013
	May		0.017	0.064	0.00019	0.000016	0.29	0.48	0.000080	0.00032	0.000064	0.0100	0.000016	0.0032	0.086	0.029	0.0000014
	June		0.026	0.099	0.00030	0.000025	0.45	0.74	0.00012	0.00049	0.000099	0.015	0.000025	0.0050	0.13	0.044	0.0000022
	July		0.021	0.080	0.00024	0.000020	0.36	0.60	0.00010	0.00040	0.000081	0.013	0.000020	0.0041	0.11	0.036	0.0000018
	August		0.040	0.15	0.00046	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000039	0.0078	0.21	0.069	0.0000034
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.015	0.057	0.00017	0.000014	0.26	0.43	0.000072	0.00029	0.000058	0.0090	0.000015	0.0029	0.077	0.026	0.0000013
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January	**2065**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.010	0.038	0.00011	0.0000094	0.17	0.28	0.000048	0.00019	0.000038	0.0059	0.0000096	0.0019	0.051	0.017	0.00000085
	April		0.030	0.11	0.00034	0.000028	0.51	0.84	0.00014	0.00056	0.00011	0.018	0.000028	0.0057	0.15	0.050	0.0000025
	May		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	June		0.045	0.17	0.00051	0.000043	0.77	1.3	0.00022	0.00085	0.00017	0.027	0.000043	0.0087	0.23	0.077	0.0000039
	July		0.044	0.17	0.00050	0.000041	0.75	1.2	0.00021	0.00083	0.00017	0.026	0.000042	0.0084	0.22	0.075	0.0000037
	August		0.051	0.19	0.00057	0.000048	0.87	1.4	0.00024	0.00095	0.00019	0.030	0.000048	0.0097	0.26	0.086	0.0000043
	September		0.038	0.14	0.00043	0.000036	0.66	1.1	0.00018	0.00072	0.00015	0.023	0.000037	0.0074	0.20	0.065	0.0000033
	October		0.034	0.13	0.00038	0.000032	0.58	0.96	0.00016	0.00064	0.00013	0.020	0.000032	0.0065	0.17	0.057	0.0000029
	November		0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	December		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	January	**2066**	0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	February		0.015	0.056	0.00017	0.000014	0.26	0.42	0.000071	0.00028	0.000057	0.0088	0.000014	0.0029	0.076	0.025	0.0000013
	March		0.022	0.083	0.00025	0.000021	0.37	0.62	0.00010	0.00041	0.000083	0.013	0.000021	0.0042	0.11	0.037	0.0000019

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
	January		0.0000032	0.000041	0.0015	0.000056	0.000081	0.0062	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000022	0.00029	0.010	0.00039	0.00057	0.043	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	April		0.000060	0.00077	0.028	0.0010	0.0015	0.11	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000044	0.00056	0.020	0.00076	0.0011	0.084	0.000022	0.20	0.0045	0.86	0.0022	0.000022	0.000088	0.0015
	June	**2061**	0.000079	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	July		0.000099	0.0013	0.046	0.0017	0.0025	0.19	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
	August		0.000083	0.0011	0.038	0.0014	0.0021	0.16	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000067	0.00087	0.031	0.0012	0.0017	0.13	0.000034	0.32	0.0070	1.3	0.0034	0.000034	0.00013	0.0023
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.019	0.0000050	0.047	0.0010	0.19	0.00050	0.0000050	0.000020	0.00035
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.031	0.0000081	0.075	0.0017	0.31	0.00081	0.0000081	0.000032	0.00056
	April		0.000017	0.00021	0.0076	0.00029	0.00042	0.032	0.0000083	0.078	0.0017	0.32	0.00083	0.0000083	0.000033	0.00058
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.14	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	June	**2062**	0.000086	0.0011	0.040	0.0015	0.0022	0.17	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July		0.000080	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.38	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	August		0.000064	0.00083	0.030	0.0011	0.0016	0.12	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	September		0.000079	0.0010	0.037	0.0014	0.0020	0.15	0.000040	0.37	0.0083	1.6	0.0040	0.000040	0.00016	0.0028
	October		0.000045	0.00058	0.021	0.00078	0.0011	0.086	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	November		0.000030	0.00038	0.014	0.00052	0.00076	0.057	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000060	0.0010
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		0.0000064	0.000083	0.0030	0.00011	0.00016	0.012	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	February		0.0000071	0.000091	0.0033	0.00012	0.00018	0.014	0.0000036	0.033	0.00074	0.14	0.00036	0.0000036	0.000014	0.00025
	March		0.000016	0.00021	0.0074	0.00028	0.00041	0.031	0.0000081	0.075	0.0017	0.31	0.00081	0.0000081	0.000032	0.00056
	April		0.000030	0.00039	0.014	0.00053	0.00077	0.058	0.000015	0.14	0.0031	0.59	0.0015	0.000015	0.000061	0.0011
	May		0.000074	0.00095	0.034	0.0013	0.0019	0.14	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	June	**2063**	0.000076	0.00098	0.035	0.0013	0.0019	0.15	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0026
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.17	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
Reclamation	**August**		0.000074	0.00096	0.034	0.0013	0.0019	0.14	0.000037	0.35	0.0077	1.4	0.0037	0.000037	0.00015	0.0026
	September		0.000069	0.00090	0.032	0.0012	0.0018	0.13	0.000035	0.33	0.0072	1.4	0.0035	0.000035	0.00014	0.0024
	October		0.000051	0.00066	0.024	0.00089	0.0013	0.099	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.012	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	April		0.000030	0.00038	0.014	0.00052	0.00076	0.057	0.000015	0.14	0.0031	0.58	0.0015	0.000015	0.000060	0.0010
	May		0.000032	0.00041	0.015	0.00056	0.00081	0.062	0.000016	0.15	0.0033	0.63	0.0016	0.000016	0.000064	0.0011
	June	**2064**	0.000050	0.00064	0.023	0.00086	0.0013	0.096	0.000025	0.23	0.0052	0.97	0.0025	0.000025	0.000100	0.0017
	July		0.000040	0.00052	0.019	0.00070	0.0010	0.078	0.000020	0.19	0.0042	0.79	0.0020	0.000020	0.000081	0.0014
	August		0.000077	0.00099	0.036	0.0013	0.0019	0.15	0.000039	0.36	0.0080	1.5	0.0039	0.000039	0.00015	0.0027
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.14	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0025
	October		0.000029	0.00037	0.013	0.00050	0.00073	0.056	0.000015	0.14	0.0030	0.56	0.0015	0.000015	0.000058	0.0010
	November		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	January		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.000019	0.00025	0.0088	0.00033	0.00048	0.037	0.0000096	0.089	0.0020	0.37	0.00096	0.0000096	0.000038	0.00066
	April		0.000056	0.00073	0.026	0.00098	0.0014	0.11	0.000028	0.26	0.0059	1.1	0.0028	0.000028	0.00011	0.0020
	May		0.000051	0.00066	0.024	0.00089	0.0013	0.099	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	June	**2065**	0.000086	0.0011	0.040	0.0015	0.0022	0.17	0.000043	0.40	0.0089	1.7	0.0043	0.000043	0.00017	0.0030
	July		0.000083	0.0011	0.038	0.0014	0.0021	0.16	0.000042	0.39	0.0087	1.6	0.0042	0.000042	0.00017	0.0029
	August		0.000096	0.0012	0.044	0.0017	0.0024	0.19	0.000048	0.45	0.0100	1.9	0.0048	0.000048	0.00019	0.0033
	September		0.000073	0.00094	0.034	0.0013	0.0018	0.14	0.000037	0.34	0.0076	1.4	0.0037	0.000037	0.00015	0.0025
	October		0.000064	0.00083	0.030	0.0011	0.0016	0.12	0.000032	0.30	0.0067	1.3	0.0032	0.000032	0.00013	0.0022
	November		0.000060	0.00077	0.028	0.0010	0.0015	0.11	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	December		0.000045	0.00058	0.021	0.00078	0.0011	0.086	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	January		0.000045	0.00058	0.021	0.00078	0.0011	0.086	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	February	**2066**	0.000028	0.00037	0.013	0.00049	0.00072	0.055	0.000014	0.13	0.0029	0.55	0.0014	0.000014	0.000057	0.00099
	March		0.000042	0.00054	0.019	0.00072	0.0011	0.080	0.000021	0.20	0.0043	0.81	0.0021	0.000021	0.000084	0.0014

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwater Diversion

			Aluminum	Ammonia (Total)	Arsenic	Cadmium	Calcium	Chloride	Chromium	Cobalt	Copper	Iron	Lead	Lead-210	Magnesium	Manganese	Mercury
Time Period	**Month**	**Year**	**mg/L**	**mg/L as N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.62	16	0.043	0.000051	-	640	0.0045	0.034	0.016	0.30	0.0080	194	-	0.21	0.00019
Reclamation	**April**	**2066**	0.031	0.12	0.00036	0.000030	0.54	0.89	0.00015	0.00059	0.00012	0.019	0.000030	0.0060	0.16	0.053	0.0000027
	May		0.030	0.11	0.00034	0.000029	0.52	0.86	0.00014	0.00057	0.00012	0.018	0.000029	0.0058	0.15	0.052	0.0000026
	June		0.021	0.079	0.00024	0.000020	0.36	0.59	0.000100	0.00039	0.000080	0.012	0.000020	0.0040	0.11	0.036	0.0000018
	July		0.024	0.089	0.00027	0.000022	0.40	0.67	0.00011	0.00044	0.000090	0.014	0.000023	0.0045	0.12	0.040	0.0000020
	August		0.027	0.10	0.00031	0.000025	0.46	0.77	0.00013	0.00051	0.00010	0.016	0.000026	0.0052	0.14	0.046	0.0000023
	September		0.024	0.092	0.00028	0.000023	0.42	0.69	0.00012	0.00046	0.000093	0.014	0.000023	0.0047	0.12	0.041	0.0000021
	October		0.012	0.045	0.00013	0.000011	0.20	0.34	0.000056	0.00022	0.000045	0.0070	0.000011	0.0023	0.060	0.020	0.0000010
	November		0.0052	0.020	0.000059	0.0000049	0.089	0.15	0.000025	0.000098	0.000020	0.0031	0.0000050	0.0010	0.027	0.0089	0.00000044
	December		0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0034	0.013	0.000038	0.0000032	0.058	0.096	0.000016	0.000064	0.000013	0.0020	0.0000032	0.00065	0.017	0.0057	0.00000029
	April		0.028	0.11	0.00032	0.000026	0.48	0.79	0.00013	0.00053	0.00011	0.016	0.000027	0.0054	0.14	0.047	0.0000024
	May		0.029	0.11	0.00032	0.000027	0.49	0.81	0.00014	0.00054	0.00011	0.017	0.000027	0.0055	0.15	0.049	0.0000024
	June		0.033	0.12	0.00037	0.000031	0.57	0.94	0.00016	0.00062	0.00013	0.020	0.000032	0.0064	0.17	0.056	0.0000028
	July		0.045	0.17	0.00052	0.000043	0.78	1.3	0.00022	0.00086	0.00017	0.027	0.000044	0.0088	0.23	0.077	0.0000039
	August		0.047	0.18	0.00053	0.000044	0.81	1.3	0.00023	0.00089	0.00018	0.028	0.000045	0.0091	0.24	0.080	0.0000040
	September		0.047	0.18	0.00053	0.000044	0.80	1.3	0.00022	0.00089	0.00018	0.028	0.000045	0.0090	0.24	0.080	0.0000040
	October		0.040	0.15	0.00045	0.000038	0.69	1.1	0.00019	0.00076	0.00015	0.024	0.000038	0.0077	0.20	0.068	0.0000034
	November		0.0048	0.018	0.000054	0.0000045	0.082	0.14	0.000023	0.000090	0.000018	0.0028	0.0000046	0.00092	0.024	0.0081	0.00000041
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0017	0.0064	0.000019	0.0000016	0.029	0.048	0.0000080	0.000032	0.0000064	0.00100	0.0000016	0.00032	0.0086	0.0029	0.00000014
		MAXIMUM	0.052	0.20	0.00059	0.000049	0.89	1.5	0.00025	0.00098	0.00020	0.031	0.000050	0.010	0.27	0.089	0.0000044
		AVERAGE	0.027	0.10	0.00031	0.000026	0.47	0.78	0.00013	0.00052	0.00010	0.016	0.000026	0.0053	0.14	0.047	0.0000023

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

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Table G-18: Scenario 14: Alternative Waste Rock Storage Area Scenario - East Freshwat

			Molybdenum	Nickel	Nitrate	Phosphorous	Polonium-210	Radium-226	Selenium	Sodium	Strontium	Sulphate	Throium-230	Uranium	Vanadium	Zinc
Time Period	**Month**	**Year**	**mg/L**	**mg/L**	**mg/L as N**	**mg/L**	**Bq/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**	**mg/L**	**mg/L**	**mg/L**
Proposed Environmental Release Target			0.64	0.22	25	0.010	119	0.88	0.0080	-	-	1116	837	0.030	0.052	0.037
Reclamation	**April**	**2066**	0.000060	0.00077	0.028	0.0010	0.0015	0.11	0.000030	0.28	0.0062	1.2	0.0030	0.000030	0.00012	0.0021
	May		0.000058	0.00074	0.027	0.0010	0.0015	0.11	0.000029	0.27	0.0060	1.1	0.0029	0.000029	0.00012	0.0020
	June		0.000040	0.00051	0.018	0.00069	0.0010	0.077	0.000020	0.19	0.0041	0.78	0.0020	0.000020	0.000080	0.0014
	July		0.000045	0.00058	0.021	0.00078	0.0011	0.086	0.000023	0.21	0.0047	0.88	0.0023	0.000023	0.000090	0.0016
	August		0.000051	0.00066	0.024	0.00089	0.0013	0.099	0.000026	0.24	0.0053	1.0	0.0026	0.000026	0.00010	0.0018
	September		0.000046	0.00060	0.021	0.00081	0.0012	0.089	0.000023	0.22	0.0048	0.91	0.0023	0.000023	0.000093	0.0016
	October		0.000022	0.00029	0.010	0.00039	0.00057	0.043	0.000011	0.11	0.0023	0.44	0.0011	0.000011	0.000045	0.00078
	November		0.0000099	0.00013	0.0046	0.00017	0.00025	0.019	0.0000050	0.047	0.0010	0.19	0.00050	0.0000050	0.000020	0.00035
	December		0.0000032	0.000041	0.0015	0.000056	0.000081	0.0062	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
	January	**2067**	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	February		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	March		0.0000064	0.000083	0.0030	0.00011	0.00016	0.012	0.0000032	0.030	0.00067	0.13	0.00032	0.0000032	0.000013	0.00022
	April		0.000053	0.00068	0.024	0.00092	0.0013	0.10	0.000027	0.25	0.0055	1.0	0.0027	0.000027	0.00011	0.0018
	May		0.000054	0.00070	0.025	0.00095	0.0014	0.10	0.000027	0.26	0.0057	1.1	0.0027	0.000027	0.00011	0.0019
	June		0.000063	0.00081	0.029	0.0011	0.0016	0.12	0.000032	0.29	0.0065	1.2	0.0032	0.000032	0.00013	0.0022
	July		0.000086	0.0011	0.040	0.0015	0.0022	0.17	0.000044	0.41	0.0090	1.7	0.0044	0.000044	0.00017	0.0030
	August		0.000090	0.0012	0.041	0.0016	0.0023	0.17	0.000045	0.42	0.0093	1.8	0.0045	0.000045	0.00018	0.0031
	September		0.000089	0.0012	0.041	0.0016	0.0023	0.17	0.000045	0.42	0.0093	1.7	0.0045	0.000045	0.00018	0.0031
	October		0.000076	0.00098	0.035	0.0013	0.0019	0.15	0.000038	0.36	0.0079	1.5	0.0038	0.000038	0.00015	0.0027
	November		0.0000091	0.00012	0.0042	0.00016	0.00023	0.018	0.0000046	0.043	0.00095	0.18	0.00046	0.0000046	0.000018	0.00032
	December		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		MINIMUM	0.0000032	0.000041	0.0015	0.000056	0.000081	0.0062	0.0000016	0.015	0.00033	0.063	0.00016	0.0000016	0.0000064	0.00011
		MAXIMUM	0.000099	0.0013	0.046	0.0017	0.0025	0.19	0.000050	0.47	0.010	1.9	0.0050	0.000050	0.00020	0.0035
		AVERAGE	0.000052	0.00067	0.024	0.00091	0.0013	0.10	0.000026	0.25	0.0054	1.0	0.0026	0.000026	0.00010	0.0018

Notes:
Bold values represent values greater than the proposed environmental release targe
Non-applicable values represent periods of time when there is no discharg

APPENDIX H

Environmental Release Target Development

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TECHNICAL MEMORANDUM

DATE March 14, 2022 **Project No.** 20144150-3106-5

TO Kristie Bonstrom
NexGen Energy Ltd.

CC Frank Halliday (NexGen), Jerry Vandenberg (VWS), Marci Mehl (Golder), Jean-Marc Crew (Golder)

FROM Gerard Van Arkel **EMAIL Gerard_VanArkel@golder.com**

DEVELOPMENT OF ROOK I PRELIMINARY PROPOSED ENVIRONMENTAL RELEASE TARGETS

1.0 INTRODUCTION

NexGen Energy Ltd. (NexGen) has retained Golder Associates Ltd. (Golder) to assess the potential effects of the Rook I Project (the Project) on surface water quality in downstream lakes and rivers. This assessment is in support of the Environmental Impact Statement for the Project.

These potential effects will be assessed using the GoldSim™ Version 12.1 simulation software and the CORMIX model system to develop a surface water quality model to predict water quality concentrations at selected waterbodies in the Clearwater River Upper Reach watershed (GoldSim Technology Group LLC (GoldSim) 2018; Doneker and Jirka 2007). The preliminary Proposed Environmental Release Targets (PERTs) have been developed to support these predictions and determine the safe allowable effluent concentrations.

1.1 Objectives

The primary objective for the preliminary PERTs assessment is to identify effluent parameters which may be of concern during mine operations and assess the suitability of the proposed level of treatment. The PERT results are intended to provide conservative and preliminary estimates to aid in the development of discharge limits for the SSWBM. The PERTs developed in this report are considered preliminary only and are subject to review based on additional data. These draft objectives are not intended to be used for permitting.

The final discharge limits are subject to the federal and provincial effluent regulations for mining, as well all authorized release limits and Approvals to Operate. The federal and provincial regulations required to fulfill include but is not limited to the following:

- Metal and Diamond Mining Effluent Regulations – SOR-2002-222
- Saskatchewan Mineral Industry Environmental Protection Regulations (1996)
- REGDOC-2.9.2, Environmental Protection: Controlling Releases to the Environment – DRAFT

1.2 Project Overview

The Project is located next to Patterson Lake near the headwaters of the Clearwater River system. The Clearwater River is a large watershed within the Athabasca River Basin and is approximately 30,800 km^2 at its confluence with the Athabasca River at the town of Fort McMurray in northeast Alberta (CHRS 2018).

Patterson Lake is located along the Clearwater River near its headwaters in north-western Saskatchewan. The drainage area contributing to the Clearwater River where it drains into Patterson Lake North Arm is 121 square kilometres (km^2). Patterson Lake can be divided into the North Arm and South Arm oriented approximately southwest to northeast. The Patterson Lake North Arm can be further separated into the Patterson Lake North Arm – West Basin (NAWB) and Patterson Lake North Arm – East Basin (NAEB) separated by a narrow and shallow sand sill with spit formations forming on either side (Golder 2019).

The Patterson Lake North Arm – West Basin is the deepest of the three basins with a minimum bed elevation of 446 metres above mean sea level (masl), corresponding to a maximum depth of roughly 53 m. The deepest point in the Patterson Lake North Arm – East Basin is 474.79 masl, corresponding to a maximum depth of roughly 24.0 m. The deepest point in the Patterson Lake South Arm is 449.29 masl, corresponding to a maximum depth of roughly 49.5 m. Patterson Lake has an average water surface elevation of approximately 498.8 masl, a total water volume of 536 million cubic metres (Mm^3), and a surface area of 38 km^2 (Golder 2019).

The Project includes the construction and operation of a uranium mine and milling facility. Effluent from the facilities will be treated by the Effluent Treatment Plant (ETP). The ETP will treat mill effluent, underground mine water, and site runoff from potentially contaminated areas. As discussed in the *Conceptual Diffuser Design Report for the Rook I Project*, the effluent will be discharged using a diffuser into North Arm of Patterson Lake – West Basin (Figure 1 in Appendix A) (Golder 2019).

2.0 EXISTING CONDITIONS DATA

2.1 Hydrology

The flow data utilized for the PERT model is the output from existing conditions draft Regional Hydrology Model (RHM) of the Project by Golder, developed in GoldSim™ Version 12.1 (GoldSim 2018), draft model dated March 2021. The model simulated flows for a 40-year timeframe (1979 to 2019), using historical data, site meteorological data and climate forcing data derived from the ERA-Interim database by the European Centre for Medium-Range Weather Forecasts (ECMWF, 2021). This data set has been described in detail in the *Regional Hydrological Characterization Baseline Report for the Rook I Project* (Golder 2021). For further information regarding the development of the GoldSim hydrological model of the Project, please see the *NexGen Rook I: Hydrological Modelling Assumptions and Inputs* (Golder 2021).

The main inflow to Patterson Lake is situated in Patterson Lake North Arm – East Basin. The flow through the lake passes into the North Arm – West Basin, and finally exits the South Arm via Patterson Creek. The water quality model was simulated in Patterson Lake North Arm – West Basin, as the proposed effluent outfall location is in the eastern portion of this basin. The inflows to the North Arm – West Basin include subsurface/ baseflow, rainfall, snowmelt runoff, runoff, groundwater flow, and the Effluent Treatment Plant (ETP) discharge. Subsurface baseflow is the portion of rainfall that infiltrates into the ground and flows laterally in shallow soil layers. Subsurface baseflow typically flows slower than runoff, but faster than groundwater. The ETP effluent flow rate was determined by taking the total expected discharge volume per year of 3,331,000 m^3 and dividing it by the number of days in a year (Wood Canada Ltd 2019).

The modelled outflows from Patterson Lake North Arm – West Basin include the lake flow from Patterson Lake North Arm – West Basin into Patterson Lake South Arm and evaporation. The monthly average inflows and outflows from the model are summarized in Table 1.

Table 1: Estimated Patterson Lake North Arm – West Basin Monthly Average Flows (m³/month)

Month	Inflow from North Arm – East Basin	Rainfall Runoff	Snowmelt Runoff	Subsurface Baseflow	Groundwater	Outflow to South Arm	ETP Effluent
January	2,376,000	4,000	38,000	462,000	19,000	3,008,000	283,000
February	2,006,000	4,000	58,000	380,000	17,000	2,620,000	256,000
March	2,208,000	37,000	294,000	404,000	19,000	2,933,000	283,000
April	3,067,000	210,000	1,074,000	551,000	18,000	3,794,000	274,000
May	4,306,000	498,000	192,000	729,000	19,000	5,092,000	283,000
June	3,642,000	947,000	0	628,000	18,000	4,433,000	274,000
July	3,125,000	1,182,000	0	579,000	19,000	3,893,000	283,000
August	2,624,000	942,000	0	527,000	19,000	3,296,000	283,000
September	2,390,000	701,000	52,000	500,000	18,000	2,990,000	274,000
October	2,666,000	338,000	257,000	546,000	19,000	3,245,000	283,000
November	2,562,000	39,000	81,000	518,000	18,000	3,055,000	274,000
December	2,524,000	3,000	25,000	518,000	19,000	3,079,000	283,000
Annual	33,495,000	4,906,000	2,071,000	6,342,000	221,000	41,438,000	3,331,000

The monthly average volumes of the Patterson Lake North Arm – West Basin can be found in Table 2. The volumes were determined using volume-elevation-area relationships developed for each Patterson Lake basin combined with the previously discussed existing conditions draft GoldSim model results (Golder 2021).

Table 2: Estimated Patterson Lake North Arm - West Basin Monthly Average Volume (m³)

Month	Volume
January	233,502,000
February	233,346,000
March	233,374,000
April	234,499,000
May	234,684,000
June	234,150,000
July	233,542,000
August	233,035,000
September	232,948,000
October	233,269,000
November	233,432,000
December	233,442,000

2.2 Water Quality

To characterize the water quality of the inflows presented in the previous section, data from the baseline study was used. A total of 13 field surveys were carried out between November 2015 to September 2020. Two of these surveys were carried about by PGL Environmental, and the remaining 11 were conducted by CanNorth (Canada North Environmental Services Limited Partnership) (Golder 2021). At the time when these calculations were developed, the water quality September 2020 survey data for Patterson Lake was not available. Therefore, the data analysed in the PERT includes the first 12 surveys (November 2015 – July 2015).

From the data gathered in these surveys, the 95th percentile of each constituent of potential concern (COPCs) were calculated for use in this model as a conservative estimate of the receiving environment. The list of COPCs used for this iteration of the PERT analysis is from February 2021. Each of the inflows have been characterized using the 95th percentile data as follows. Rainfall is considered as “clean” and has been assumed to contain a concentration of zero for all water quality parameters. Both the subsurface baseflow and groundwater flows were assumed to match the water quality of Patterson Lake North Arm – West Basin’s baseline conditions. Water quality parameters for snowmelt was taken as half of the concentration assumed for both baseflow and groundwater, as it is assumed that the snow will have a higher concentrations of constituents than rainfall, but less than groundwater and subsurface baseflow. Table 3 summarizes the water quality parameters of each inflow.

Table 3: 95th Percentile Water Quality Data for Model Inflows (2015 – 2020)

Parameter	Units	Patterson Lake North Arm – East Basin	Rainfall Runoff	Snowmelt Runoff	Subsurface Baseflow	Groundwater
pH	-	7.6	0	3.8	7.5	7.5
Specific Conductivity	µS/cm	92	0	46	92	92
Hardness	mg/L	13	0	7.5	15	15
TDS (Calculated)	mg/L	47	0	24	47	47
TSS	mg/L	3.3	0	1.2	2.4	2.4
Ammonia (unionized)	µg/L	0.20	0	69	139	139
Ammonia as nitrogen	µg/L	0.079	0	30	61	61
Chloride	µg/L	515	0	300	600	600
Nitrate (as N)	µg/L	51	0	17	33	33
Total Phosphorus	µg/L	10	0	5.0	10	10
Sulphate	µg/L	1345	0	808	1615	1615
Total Aluminium	µg/L	5.9	0	0.98	2.0	2.0
Total Arsenic	µg/L	0.11	0	0.051	0.10	0.10
Total Cadmium	µg/L	0.010	0	0.0095	0.019	0.019
Calcium	µg/L	3424	0	1950	3900	3900
Total Chromium	µg/L	0.50	0	0.25	0.50	0.50
Total Cobalt	µg/L	0.10	0	0.050	0.10	0.10
Total Copper	µg/L	0.23	0	0.12	0.23	0.23
Total Iron	µg/L	592	0	96	191	191
Total Lead	µg/L	0.10	0	0.050	0.10	0.10
Total Magnesium	µg/L	1130	0	700	1400	1400
Total Manganese	µg/L	133	0	15	29	29
Total Mercury	µg/L	0.0045	0	0.0018	0.0032	0.0032
Total Molybdenum	µg/L	0.10	0	0.050	0.10	0.10
Total Nickel	µg/L	0.14	0	0.070	0.14	0.14
Total Selenium	µg/L	0.10	0	0.050	0.10	0.10
Total Sodium	µg/L	1410	0	750	1500	1500
Total Uranium	µg/L	0.10	0	0.050	0.10	0.10
Total Vanadium	µg/L	0.10	0	0.050	0.10	0.10
Total Zinc	µg/L	2.1	0	0.89	1.8	1.8
Lead-210	Bq/L	0.031	0	0.015	0.031	0.031
Polonium-210	Bq/L	0.0064	0	0.0032	0.0064	0.0064
Radium-226	Bq/L	0.010	0	0.0046	0.0091	0.0091
Thorium-230	Bq/L	0.010	0	0.0050	0.010	0.010

3.0 APPLICABLE WATER QUALITY THRESHOLDS

The PERTs were developed using the chronic (long-term) thresholds based on the Canadian Environmental Quality Guidelines for the Protection of Aquatic Life (CCME 2019; 2020) and Saskatchewan's provincial objectives (WSA 2015). Where no guidelines or objectives were available from CCME or Saskatchewan, provincial objectives from British Columbia (British Columbia Ministry of the Environment 2004; 2019), and Ontario (Ontario Ministry of the Environment and Energy 1994) were used. The thresholds for the radionuclides were provided by EcoMetrix (2021), as neither CCME nor provincial guidelines are available.

The set of thresholds which was utilized for these calculations was developed in February 2021. Table 4 and Table 5 provides a summary of the CCME guidelines, provincial water quality objectives and the selected chronic (long-term) thresholds for parameters with applicable values.

Since the development of the PERT model, the list of COPCs as well as the selected thresholds has been refined. The most current list of COPCs at the time of this analysis is dated June 2021. This list includes all constituents listed in Table 4, as well as the addition of strontium. Sodium, calcium, and magnesium have also been included for the calculation of hardness and total dissolved solids (TDS) over time.

The guidelines for cobalt and vanadium have been updated so that the chronic thresholds follow the Federal Water Quality Guidelines (FWQG) (1999, 2007). In addition, the molybdenum chronic threshold is now based on the Saskatchewan Environmental Quality Guidelines (n.d.) and the phosphorus chronic threshold utilizes the Ontario Provincial Water Quality Objectives (1994).

The selected thresholds from February 2021 were implemented based on the baseline 95th percentile of hardness in Patterson Lake North Arm – West Basin. This is a conservative assumption, as it does not consider how the hardness in the modelled basin will change over time due to the effluent discharge. For the selected thresholds from June 2021, the change of hardness in Patterson Lake North Arm – West Basin is taken into consideration for the modelling of both sulphate and cobalt.

Table 4: CCME Guidelines, Saskatchewan Provincial Objectives, and Selected Limiting Criteria

Parameter	Unit	CCME: Short Term (Acute)[a]	CCME: Long Term (Chronic)[a]	Provincial Objectives (Chronic)[b]	Selected Threshold (Chronic)
General Parameters					
Total Suspended Solids	mg/L	Background + 25[c]	Background + 5[d]	N/A	Background + 5
Anions & Nutrients					
Ammonia (Un-ionized) (NH_3 as N)	µg/L	N/A	16		
Ammonia as N (Total)	mg/L	N/A	Function of unionized ammonia, pH and temperature[e]		
Chloride	mg/L	640	120	N/A	120
Nitrate (NO_3 as N)	mg/L	124	3.0	N/A	3.0
Total Phosphorus	mg/L	N/A	Ultra-oligotrophic <0.004 mg/L Oligotrophic: 0.004 - 0.01 mg/L Mesotrophic: 0.01 - 0.02 mg/L Meso-eutrophic: 0.02 - 0.035 mg/L Eutrophic: 0.035 - 0.1 mg/L Hyper-eutrophic: >0.1 mg/L	N/A	0.011
Sulphate	mg/L	N/A	N/A	<30 mg/L $CaCO_3$: 128 mg/L 31 - 75 mg/L $CaCO_3$: 218 mg/L 76 - 180 mg/L $CaCO_3$: 309 mg/L 181- 250 mg/L $CaCO_3$: 429 mg/L >250 mg/L $CaCO_3$: Site-specific	128[f][g]
Total Metals (unless otherwise noted, all metals are reported as total)					
Total Aluminum	µg/L	N/A	<6.5 pH: 5 µg/L ≥ 6.5 pH: 100 µg/L	4.5 – 5.5 pH: 15 µg/L 5.5 – 6.5 pH: Background+10% 6.5 – 9.0 pH: 75 µg/L	75[h][i]
Total Arsenic	µg/L	N/A	5	5	5
Total Cadmium	µg/L	<5.3 mg/L $CaCO_3$: 0.11 µg/L ≤5.3 - 360 mg/L $CaCO_3$: $10^{\{1.016(\log(\text{hardness}))-1.71\}}$ >360 mg/L $CaCO_3$: 7.7 µg/L	<0.17 mg/L $CaCO_3$: 0.04 µg/L 17 – 280 mg/L $CaCO_3$: $10^{\{0.83(\log(\text{hardness}))-2.46\}}$ >280 mg/L $CaCO_3$: 0.37 µg/L	<48.5 mg/L $CaCO_3$: 0.017 µg/L 48.5 - 97 mg/L $CaCO_3$: 0.032 µg/L 97 - 194 mg/L $CaCO_3$: 0.058 µg/L >194 mg/L $CaCO_3$: 0.10 µg/L	0.017[g]
Total Chromium	µg/L	N/A	Chromium, hexavalent: 1 µg/L Chromium, trivalent: 8.9 µg/L	Chromium, hexavalent: 1 µg/L	1
Total Cobalt	µg/L	11[j]	4[j]	N/A	4[j]
Total Copper	µg/L	N/A	<82 mg/L $CaCO_3$: 2 µg/L 82 - 180 mg/L $CaCO_3$: $0.2*e^{\{0.8545[\ln(\text{hardness})]-1.465\}}$ >180 mg/L $CaCO_3$: 4 µg/L	<120 mg/L $CaCO_3$: 2 µg/L 120 - 180 mg/L $CaCO_3$: 3 µg/L >180 mg/L $CaCO_3$: 4 µg/L	2[g]
Total Iron	µg/L	N/A	300	300	300

Table 4: CCME Guidelines, Saskatchewan Provincial Objectives, and Selected Limiting Criteria

Parameter	Unit	CCME: Short Term (Acute)[a]	CCME: Long Term (Chronic)[a]		Provincial Objectives (Chronic)[b]		Selected Threshold (Chronic)
Total Lead	µg/L	N/A	≤60 mg/L $CaCO_3$ 60 - 180 mg/L $CaCO_3$ >180 mg/L $CaCO_3$	1 µg/L $0.2*e^{\{1.273[\ln(\text{hardness})]-4.705\}}$ 7 µg/L	≤60 mg/L $CaCO_3$ 60 - 120 mg/L $CaCO_3$ 120- 180 mg/L $CaCO_3$ >180 mg/L $CaCO_3$	1 µg/L 2 µg/L 4 µg/L 7 µg/L	1[g]
Total Manganese	µg/L	$e^{\{0.878(\ln(\text{hardness}))+4.76\}}$	Calculated using the CCME calculator for manganese in Appendix B and is based on hardness and pH (2019).		N/A		230[g][i]
Total Mercury	µg/L	N/A	0.026		0.026		0.026
Total Molybdenum	µg/L	N/A	73		N/A		73
Total Nickel	µg/L	N/A	≤60 mg/L $CaCO_3$ 60 - 180 mg/L $CaCO_3$ >180 mg/L $CaCO_3$	25 µg/L $0.2*e^{\{0.76[\ln(\text{hardness})]+1.06\}}$ 150 µg/L	≤60 mg/L $CaCO_3$ 60 - 120 mg/L $CaCO_3$ 120 - 180 mg/L $CaCO_3$ >180 mg/L $CaCO_3$	25 µg/L 65 µg/L 110 µg/L 150 µg/L	25[g]
Total Selenium	µg/L	N/A	1		1		1
Total Uranium	µg/L	33	15		15		15
Total Vanadium	µg/L	N/A	N/A		6[h]		6[h]
Total Zinc	µg/L	37	7		30		7
Radionuclides							
Lead-210	Bq/L	N/A	N/A		N/A		22[k]
Polonium-210	Bq/L	N/A	N/A		N/A		13.5[k]
Radium-226	Bq/L	N/A	N/A		N/A		0.11[k]
Thorium-230	Bq/L	N/A	N/A		N/A		95[k]

Note:
a) Canadian Environmental Quality Guidelines (CCME 2020)
b) Saskatchewan Water Security Agency Water Quality Guidelines (WSA 2015)
c) Short-term exposure <24 hours
d) Long-term exposure or inputs lasting between 24 hours to 30 days.
e) Total ammonia based on unionized ammonia guideline that is adjusted for ambient pH and water temperature as provided in Table 5.
f) British Columbia Approved Water Quality Guidelines: Aquatic Life, Wildlife & Agriculture (2019).
g) Based on hardness in the study area that is consistently 21 mg/L $CaCO_3$ or less.
h) Ontario Provincial Water Quality Objectives (1994).
i) Based on the average pH range across Patterson Lake
j) British Columbia Ministry of Environment Ambient Water Quality Guidelines for Cobalt (2004).
k) Provided by EcoMetrix (2021)

N/A = indicates no guideline or criteria specified; --- = not applicable; N = nitrogen; °C = degrees Celsius; µg/L = micrograms per litre; < = less than; > = greater than; ≤ = less than or equal to; $CaCO_3$ = calcium carbonate; Bq/L = Becquerels per litre.

Table 5: CCME Water Quality Objectives for Total Ammonia for the Protection of Aquatic Life (in mg/L NH_3 as N)

Temperature (°C)	pH							
	6.0	**6.5**	**7.0**	**7.5**	**8.0**	**8.5**	**9.0**	**9.5**
0	231	73.0	23.1	7.32	2.33	0.749	0.250	0.042
5	153	48.3	15.3	4.84	1.54	0.502	0.172	0.034
10	102	32.4	10.3	3.26	1.04	0.343	0.121	0.029
15	69.7	22.0	6.98	2.22	0.715	0.239	0.089	0.026
20	48.0	15.2	4.82	1.54	0.499	0.171	0.067	0.024
25	33.5	10.6	3.37	1.08	0.354	0.125	0.053	0.022
30	23.7	7.50	2.39	0.767	0.256	0.094	0.043	0.021

mg/L = milligrams per litre
NH3-N = ammonia measured as nitrogen
°C = degrees Celsius

4.0 EFFLUENT QUALITY OBJECTIVES ASSESSMENT

The model for the PERT assessment is a mass balance centering on Patterson Lake North Arm – West Basin, utilizing the inflows and associated water quality concentrations as depicted in Figure 1. The inflows and outflows to Patterson Lake North Arm – West Basin are explicitly considered, whereas the flows to the additional two basins, Patterson Lake North Arm – East Basin and Patterson Lake South Arm, are not directly considered. The flows into Patterson Lake North Arm – East Basin are assumed to be all accounted for in its outflow term to Patterson Lake North Arm – West Basin.

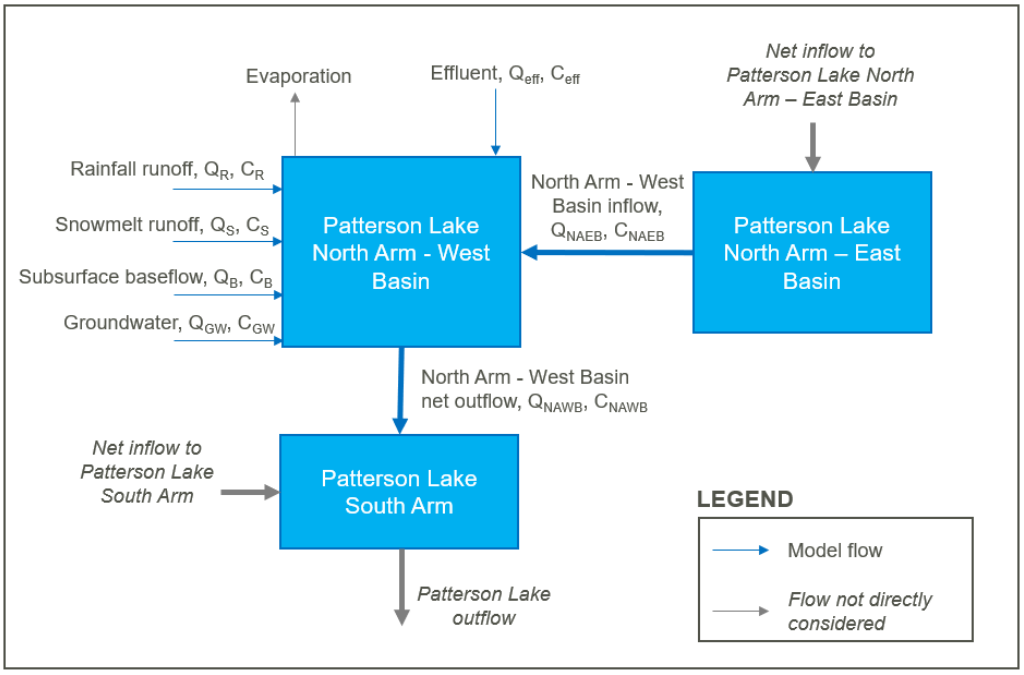


Figure 1: Patterson Lake North Arm – West Basin Flow Diagram

Each of the inflows to Patterson Lake North Arm – West Basin are assigned water quality concentrations based on the background water quality values from Table 3. The flow sources and associated water quality sources are provided in Table 6.

Table 6: Model Flows and Associated Water Quality Sources

Flow	Water Quality Source
North Arm - West basin inflow, Q_{NAEB}	Patterson Lake North Arm – East Basin Background, C_{NAEB}
Subsurface baseflow, Q_B	Patterson Lake North Arm – West Basin Background, C_B
Rainfall runoff, Q_R	Assumed clean, 0 mg/L, C_R
Snowmelt runoff, Q_S	50% of Patterson Lake North Arm –West Basin Background, C_S
Groundwater, Q_{GW}	Patterson Lake North Arm – West Basin Background, C_{GW}
ETP Discharge, Q_{eff}	Computed, C_{eff}
West basin outflow, Q_{NAWB}	Computed, C_{NAWB}

4.1 Mixing Zone

A mixing zone is a transitional area within a waterbody in which treated effluent if gradually mixed with ambient water. In general, the outer edge of the mixing zone should not exceed applicable water quality objectives/thresholds. The size of the mixing zone is influenced by the difference in water quality between the treated effluent and the receiving water body and the receiving waterbody size and volume.

The Saskatchewan WSA has published a set of mixing zone guidelines, and the guidelines prescribed for larger surface water bodies has been utilized (WSA 2015). The relevant guidelines to this Project and have been described in the *Conceptual Diffuser Design Report for the Rook I Project* (Golder 2019).

The final selected mixing zone around the effluent diffuser outfall was selected to have a 100 m radius. Dilution modelling was performed using the CORMIX model system (Doneker and Jirka 2007), which was developed at Cornell University and endorsed by the U.S. Environmental Protection Agency (USEPA). This modelling was performed under a range of treated effluent and ambient conditions to determine the minimum amount of dilution that could be provided at the selected outfall location in Patterson Lake North Arm – West Basin. This minimum dilution factor was determined to be 28 (Golder 2019).

4.2 Method

The PERT model was created in Excel 2013 as a mass balance in Patterson Lake through time. The concentrations in the North Arm – West Basin are modelled for a period of 34 years (from year 2021 to 2055) using a monthly timestep.

The flows per month as well as the volume in Patterson Lake North Arm – West Basin are consistent for every year, using the values presented in Section 2.1 in Table 1 and Table 2. The concentrations of the water quality source terms (Patterson Lake North Arm – East Basin, rainfall, snowmelt, and baseflow) were held constant at the 95th percentile of the baseline data, provided in Table 3. The initial concentration for each constituent in the Patterson Lake North Arm – West Basin is also the 95th percentile of baseline data. After the initial conditions, the concentrations in the North Arm – West Basin are computed with each time step.

The concentration in Patterson Lake North Arm – West Basin is predicted using the following equation at each time step:

[Eq. 1]

$$C_{NAWB} = \frac{Q_{NAEB}C_{NAEB} + Q_R C_R + Q_S C_S + Q_B C_B + Q_{GW}C_{GW} + Q_{eff}C_{eff} + V_{NAWB,t-1}C_{NAWB,t-1} - Q_{NAWB.t-1}C_{NAWB,t-1}}{V_{NAWB}}$$

Where:

- Q_{NAEB} Average monthly flow from Patterson Lake North Arm – East Basin into the North Arm – West Basin, as per Table 1 (m^3/month)
- Q_R Average monthly rainfall runoff into Patterson Lake North Arm – West Basin, as per Table 1 (m^3/month)
- Q_S Average monthly seepage flow into Patterson Lake North Arm – West Basin, as per Table 1 (m^3/month)
- Q_B Average monthly subsurface baseflow into Patterson Lake North Arm – West Basin, as per Table 1 (m^3/month)
- Q_{GW} Average monthly groundwater flow into Patterson Lake North Arm – West Basin, as per Table 1 (m^3/month)

Q_{eff}	Average monthly discharge from the ETP flow into Patterson Lake North Arm – West Basin, as per Table 1 (m^3/month)
$Q_{NAWB,t-1}$	Average monthly outflow from Patterson Lake North Arm – West Basin into the South Arm during the previous timestep, as per Table 1 (m^3/month)
C_{NAWB}	Concentration in Patterson Lake North Arm – West Basin, calculated (mg/L)
C_{NAEB}	Concentration in Patterson Lake North Arm – East Basin, as per Table 3 (mg/L)
C_R	Concentration in the rainfall runoff, as per Table 3 (mg/L)
C_S	Concentration in the rainfall runoff, as per Table 3 (mg/L)
C_B	Concentration in the subsurface baseflow, as per Table 3 (mg/L)
C_{GW}	Concentration in the groundwater, as per Table 3 (mg/L)
C_{eff}	Concentration in the groundwater, as per Table 3 (mg/L)
$C_{NAWB,t-1}$	Concentration in Patterson Lake North Arm – West Basin during the previous timestep, calculated (mg/L)
V_{NAWB}	Volume of Patterson Lake North Arm – West Basin, as per Table 2 (m^3)
$V_{NAWB,t-1}$	Volume of Patterson Lake North Arm – West Basin during the previous timestep, as per Table 2 (m^3)

Once the concentration within Patterson Lake North Arm – West Basin is determined, the concentration at the edge of the mixing zone can be predicted using the following equation:

$$C_{MZ} = \frac{Q_{eff}C_{eff} + Q_{NAWB}C_{NAWB}}{Q_{eff} + Q_{NAWB}} \quad \text{[Eq. 2]}$$

Where:

Q_{NAWB}	Average monthly outflow from Patterson Lake North Arm – West Basin into the South Arm, as per Table 1 (m^3/month)
C_{MZ}	Concentration at the edge of the mixing zone (mg/L)

This equation may be rearranged to the following:

$$C_{MZ} = \frac{C_{eff}}{D} + C_{NAWB} - \frac{C_{NAWB}}{D} \quad \text{[Eq. 3]}$$

Where D represents dilution factor, as per the following equation:

$$D = \frac{Q_{NAWB} - Q_{eff}}{Q_{eff}} \quad \text{[Eq. 4]}$$

The dilution factor was previously determined to be 28, as discussed in Section 4.1.

The applicable water quality thresholds, documented in Section 3.0, need to be met at the edge of the mixing zone. Therefore, the concentrations at the edge of the mixing zone calculated should be equal to the water quality threshold concentration. To determine what the maximum concentration the effluent can be in order to reach these target concentrations, the threshold concentration can be set equal to the calculated concentration at the edge of the mixing zone, as per the following equation.

$$0 = \frac{C_{MZ} - C_t}{C_t} \quad \text{[Eq. 5]}$$

The concentrations of the COPCs in Patterson Lake North Arm – West Basin are expected to increase over time due to the ETP discharging during mine operations. The concentrations in the basin are expected to eventually reach steady state. Therefore, the above equation and the allowable effluent concentrations were calculated using the Patterson Lake North Arm – West Basin concentrations in at the end of the modelling period. This corresponds to the 100th percentile of the concentrations reached in the North Arm – West Basin in the last 5 years of the model (2050 to 2055).

5.0 ASSUMPTIONS

The key assumptions utilized in the development of the PERT model are as follows:

- The CCME guidelines for chromium are based on specific chromium valences (i.e., hexavalent and trivalent chromium), with no guideline for total chromium. Therefore, the guideline for hexavalent chromium was used as it is the most stringent. It is important to note that this threshold will be compared to total chromium data measurements and may incorrectly identify exceedances.
- The concentrations of the COPCs for Patterson Lake North Arm – East basin, groundwater, snowmelt runoff, and subsurface baseflow will remain constant and will not be affected by Project activities. In addition, these concentrations are assumed to remain the same for every month (i.e. seasonal fluctuations are not considered).

6.0 RESULTS

The estimated allowable ETP effluent discharge concentrations that result in the water quality at the edge of the mixing zone that meets the selected water quality thresholds are presented in Table 4. Where acute (short-term) thresholds exist, the acute objective will be compared against the PERTs calculated using the chronic threshold, and the minimum of these two values will be used as the final calculated PERT limit. The preliminary results from the PERTs model are presented in Table 7.

Table 7: Preliminary Effluent Discharge Concentration Limits Calculation Results

Parameter List	Units	Chronic Threshold	Acute Threshold	Concentration in North Arm - East Basin	Concentration in North Arm - West Basin	Calculated Effluent Concentration	Final PERT
Total Suspended Solids	*mg/L*	8.3	28.3	3.3	6.9	45.9	28.3
Ammonia (unionized) as N	*mg/L*	0.016	--	0.011	0.17	0.016	0.17
Ammonia Total as N	*mg/L*	--	--	0.000079	1.3	15.5	15.5
Chloride	*mg/L*	120	640	0.051	85	1053	640
Nitrate (as N)	*mg/L*	2.9	124	0.010	2.1	25	25

Table 7: Preliminary Effluent Discharge Concentration Limits Calculation Results

Parameter List	Units	Chronic Threshold	Acute Threshold	Concentration in North Arm - East Basin	Concentration in North Arm - West Basin	Calculated Effluent Concentration	Final PERT
Phosphorus	*mg/L*	0.011	--	0.010	0.011	0.010	0.010
Sulphate	*mg/L*	128	--	1.3	91	1116	1116
Total Aluminium	*mg/L*	0.075	--	0.0059	0.055	0.62	0.62
Total Arsenic	*mg/L*	0.005	--	0.00011	0.0036	0.043	0.043
Total Cadmium	*µg/L*	0.017	--	0.010	0.016	0.051	0.051
Total Chromium	*µg/L*	1.0	--	0.50	0.87	4.5	4.5
Total Cobalt	*mg/L*	0.004	0.11	0.00010	0.0029	0.034	0.034
Total Copper	*mg/L*	0.002	--	0.00023	0.0015	0.016	0.016
Total Iron	*mg/L*	0.30	--	0.592	0.38	No capacity	No capacity
Total Lead	*µg/L*	1.0	--	0.10	0.74	8.0	8.0
Total Manganese	*mg/L*	0.23	1.26	0.13	0.20	1.0	1.0
Total Mercury	*µg/L*	0.026	--	0.0045	0.020	0.19	0.19
Total Molybdenum	*mg/L*	0.073	--	0.00010	0.052	0.64	0.64
Total Nickel	*mg/L*	0.025	--	0.00014	0.018	0.22	0.22
Total Selenium	*mg/L*	0.001	--	0.00010	0.00074	0.0080	0.0080
Total Strontium	*mg/L*	--	--	0.031	0.23	2.4	2.4
Total Uranium	*µg/L*	15	33	0.10	11	131	33
Total Vanadium	*µg/L*	6.0	--	0.10	4.3	52	52
Total Zinc	*µg/L*	7.0	37	2.1	5.6	44	37
Lead-210	*bq/L*	22	--	0.031	16	194	194
Polonium-210	*bq/L*	13.5	--	0.0064	9.6	119	119
Radium-226	*bq/L*	0.11	--	0.010	0.081	0.88	0.88
Thorium-230	*bq/L*	95	--	0.010	68	837	837

7.0 CONCLUSION AND RECOMMENDATIONS

Based on the analysis and information presented in this memorandum, the following conclusions are provided:

- The preliminary PERTs are intended to provide conservative estimates to aid in the identification of COPCs which may need further investigation, as well as help inform the final discharge limits. The PERTs presented are subject to review based on additional data, and not intended for permitting.
- It is recommended to update the input water quality input data to include the results from the September 2020 performed by CanNorth.
- It is recommended that the model is re-run to include the additional COPC of strontium and updated water quality thresholds for phosphorus, molybdenum, vanadium, sulphate, and cobalt, as circulated in June 2021.

8.0 CLOSURE

We trust that the analysis and results presented herein satisfy your needs at this time. If you have any questions regarding the content of this technical memorandum, please contact the undersigned.

Golder Associates Ltd.



Julie Taylor, BASc
Water Resources Specialist
SS/JT/GVA/tt



Gerard Van Arkel, BASc, MEng
Senior Water Resources Specialist

Attachments: Appendix A - Proposed Treated Effluent Discharge Diffuser Location

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APPENDIX A

Proposed Treated Effluent Discharge Diffuser Location

603000 604000 605000

6395000 6394000 6393000

490 480 470

Patterson Lake

Treated Effluent Pipe and Diffuser

Fresh Water Intake Pipe and Pumphouse

Treated Sewage Pipe and Outfall

Underground Mine Access

Contact Water Pond #1

Sewage Treatment Plant (STP)

Mine Terrace

PAG Runoff Collection Area

Process Plant

Ore Storage Stockpile

Effluent Treatment Plant (ETP)

Monitoring Ponds

Potentially Acid Generating (PAG) Waste Rock Storage Area

Fuel Storage Area

Mill Terrace

Special Waste Rock Stockpile

Camp

Contact Water Pond #2

Non-Potentially Acid Generating (NPAG) Waste Rock Storage Area

Communication Tower

West Bermed Runoff Collection Area

510 520 530 540 550 560 570

LEGEND

- BATHYMETRY CONTOUR ELEVATION (10 m INTERVAL)
- ELEVATION CONTOUR (10 m INTERVAL)
- WATERBODY
- WOODED AREA
- INTAKE OR DISCHARGE PIPE
- ACCESS ROAD
- CONTACT WATER CONTAINMENT BERM
- OMNI-DIRECTIONAL APPROACH LIGHTING (ODAL) CORRIDOR
- PROJECT INFRASTRUCTURE
- SITE ROAD
- TOPSOIL STORAGE AREA
- WATER MANAGEMENT POND
- EFFLUENT TREATED PIPE DIFFUSER
- SEWAGE TREATED PIPE OUTFALL
- LAKE BASIN DIVISION
- PROPOSED REGULATED MIXING ZONE

0 0.3 0.6

1:10,000 KILOMETRES

REFERENCE(S)

1. PROJECT FEATURES OBTAINED FROM NEXGEN, APRIL 6, 2021 AND UPDATED JUNE 8, 2021 .
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
3. BATHYMETRY CONTOURS DERIVED FROM DATA COLLECTED BY NEXGEN, 2016.

PROJECTION: UTM ZONE 12 DATUM: NAD 83

PROJECT

NexGen Energy Ltd.

ROOK I PROJECT

TITLE

MINE HYDRAULIC INFRASTRUCTURE AND ASSOCIATED MIXING ZONE

CONSULTANT

GOLDER MEMBER OF WSP

PROJECT		20144150	PHASE	3314 - 6
DESIGN	GVA	2020-03-13	SCALE AS SHOWN	REV. 0
GIS	NO	2022-03-02		
CHECK	GVA	2022-03-02	**FIGURE 1**	
REVIEW	JF	2022-03-02		

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

0 25mm

PATH: I:\CLIENTS\NexGen\20144150\Mapping\Products\WaterQuality\20144150_Fig2-1_Rook_I_StudyArea_ProposedMixingZone_Rev0.mxd PRINTED ON: 2022-03-02 AT 3:22:28 PM