

ACRONYMS AND ABBREVIATIONS

Terminology used in this document is defined where it is first used. The following list will assist readers who may choose to review only portions of the document.

%HA	Percentage of Highly Annoyed
3D	Three dimensional
4Rs	Reduce, Reuse, Recycle, Recover
AANDC	Aboriginal Affairs and Northern Development Canada (formerly Indian and Northern Affairs Canada)
AAP	Agriculture Area Plan
AAQO	Ambient Air Quality Objective
AEM	Aquatic Effects Monitoring
AER	Alberta Energy Regulator
AF	Agricultural/Forestry Zone
AFE	Aboriginal Funding Envelope
AG	Acid Generating
AIA	Archaeological Impact Assessment
AIB	Ashcroft Indian Band
AIR	Application Information Requirements
AIR/EIS Guidelines	Application Information Requirements/Environmental Impact Statement Guidelines
ALC	Agricultural Land Commission
ALR	Agricultural Land Reserve
ALS	ALS Environmental Services
a.m.	Ante Meridiem [Morning]
AMAR	Ajax Mine Access Road
AME	Abacus Mining and Exploration Corp.
Amec FW	Amec Foster Wheeler Environment & Infrastructure

AMP	Access Management Plan
AN	Ammonium nitrate
ANFO	Ammonium nitrate fuel oil
ANSI	American National Standards Institute
ANZECC	Australian and New Zealand Environment Council
AOA	Archaeological Overview Assessment
AOC	Afton Operating Corporation
APEC	Areas of Potential Environmental Concerns
APEGBC	Association of Professional Engineers and Geoscientists of British Columbia
API	Air Photo Interpretation
Application/EIS	Application for an Environmental Assessment Certificate/Environmental Impact Statement for a Comprehensive Study
AQMDCP	Air Quality Monitoring and Dust Control Plan
ARCH	Affordable Recreation for Community Health
ASILs	Acceptable Source Impact Levels
asl	Ambient sound level
AW	Aquatic Water
BACI	Before-After-Control-Impact
BAM	Beta Attenuation Monitoring
BAT	Best Achievable Technology
BC	British Columbia
BC AMTA	BC Aboriginal Mine Training Association
BC EAA	British Columbia <i>Environmental Assessment Act</i> (2002)
BC EAO	British Columbia Environmental Assessment Office
BC MARR	British Columbia Ministry of Aboriginal Relations and Reconciliation
BC MEM	British Columbia Ministry of Energy, Mines and Natural Gas
BC MFLNRO	British Columbia Ministry of Forests, Lands, and Natural Resource Operations (formerly BC MOF)

BC MOE	British Columbia Ministry of Environment
BC MOF	British Columbia Ministry of Forests (now BC MFLNRO)
BC MOTI	British Columbia Ministry of Transportation and Infrastructure
BC MWLAP	British Columbia Ministry of Water, Land and Air Protection
BC OGC	British Columbia Oil and Gas Commission
BC WMB	British Columbia Wildfire Management Branch
BC WQG	British Columbia Water Quality Guidelines
BCGS	British Columbia Geological Survey
BCWWA	BC Water & Waste Association
BEC	Biogeoclimatic Ecosystem Classification
BGC	BGC Engineering Inc.
BMP	Best Management Practice
BoD	Board of Directors
Borden Number	The Canada-wide alphanumeric convention for naming archaeological sites.
BP	Before Present
bsl	Basic Sound Level
CA	Census Agglomeration
CAAQS	Canadian Ambient Air Quality Standards
CAC	Criteria Air Contaminant
CAEAL	Canadian Association for Environmental Analytical Laboratories
CAG	Community Advisory Group
CALPUFF	CALifornia PUFF Model
CaNPR	Calcium Net Potential Ratio
CCME	Canadian Council of Ministers of the Environment
CCN	Canadian Climate Normals
CCNS	Canadian Climate Normals Station
CCP	Comprehensive Community Planning

CCTZ	Cherry Creek Tectonic Zone
CDA	Canadian Dam Association
CDB	City Development Boundary
CE	Common Era
CEA	Cumulative Effects Assessment
CEA Agency	Canadian Environmental Assessment Agency
CEAA	<i>Canadian Environmental Assessment Act</i>
CEARIS	Canadian Environmental Assessment Registry Internet Site
CEEI	Community Energy and Emissions Inventory
CEMP	Construction Environmental Management Plan
CEQG	Canadian Environmental Quality Guidelines
CH₄	Methane
CHS	Cultural Heritage Study
CLG	Community Liaison Group
CLRRP	Conceptual Landscape Restoration and Reclamation Plan
CMHC	Canadian Mortgage and Housing Corporation
CMS	Continuous Monitoring Station
CMT	Culturally Modified Tree
CN	Canadian National Railway Company
CO	Carbon monoxide
CO₂	Carbon dioxide
CO₂eq	Carbon dioxide equivalent
COC	Contaminant of Concern
CoK	City of Kamloops
COPC	Chemical of Potential Concern
COPD	Chronic Obstructive Pulmonary Disease
COSEWIC	Committee on the Status of Endangered Wildlife in Canada

CP	Canadian Pacific Railway Limited
CPD	Certified Project Description
CRMZ	Cultural Resource Management Zone
CSL	Comprehensive Sound Level
CSR¹	Comprehensive Study Report Contaminated Site Regulations Corporate Social Responsibility
CSRA	Contaminated Soil Relocation Agreement
CULRTP	Current Use of Land and Resources for Traditional Purposes
CWB	Community Well-being
dAIR	Draft Application Information Requirements/Draft Environmental Impact Statement Guidelines
dbh	Diameter at breast height
DDH	Diamond Drill Hole
DEM	Digital Elevation Model
DF	Dustfall
DFO	Department of Fisheries and Oceans Canada
DO	Dissolved Oxygen
DPR	Drilling and Production Regulation
DQOs	Data Quality Objectives
DS	Downstream
DSI	Detailed Site Investigation
DSR	Dump Stability Rating
DWMS	Aberdeen Dewatering and Monitoring System
DWR	Deer winter range
EA	Environmental Assessment

¹ Depending on context, the acronym may apply to different terms (e.g., in Chapter 6, CSR refers to Contaminated Site Regulations).

EB	Eastbound
EC	Environment Canada
ECAR	Ecological communities at risk
ECDA	Economic and Community Development Agreement
EIS	Environmental Impact Statement
EISG	Environmental Impact Statement Guidelines
ELFZ	Edith Lake Fault Zone
ELTF	Edith Lake Thrust Fault
EMA	<i>Environmental Management Act</i>
EMMP	Environmental Management and Monitoring Plan
EMP	Environmental Management Plan
EMRSF	East Mine Rock Storage Facility
EMS	Environmental Management System
ENSO	El Niño Southern Oscillation
EOCP	Environmental Operators Certification Program
EPA	Environmental Protection Agency (<i>also used: US EPA</i>)
EPCM	Engineering Procurement Construction Management
EPSC	Erosion Prevention and Sediment Control
ERM	ERM Consultants Canada Ltd.
ERSi	Earth Resource Surveys Inc.
FALMP	Fisheries and Aquatic Life Monitoring Plan
FCRSA	Forestry Consultation and Revenue Sharing Agreement
FHAP	Fire Hazard Abatement Plan
FHMOP	Fish Habitat Mitigation and Offsetting Plan
FLNRO	<i>See BC MFLNRO</i>
FRC	Funding Review Committee
FMEA	Failure Modes and Effects Analysis

FNCP	First Nations Consultation Plan
FoS	Factor of Safety
FRPA	<i>Forest and Range Practices Act</i>
FS	Feasibility Study
FTE	Full-time-equivalent
GA	General Arrangement
GCC	Grassland Conservation Council
GCM	Global Climate Model
GDP	Gross domestic product
GGRTA	<i>Greenhouse Gas Reduction Targets Act</i>
GHB	General Head Boundary
GHG	Greenhouse Gas
GHGRP	Greenhouse Gas Emissions Reporting Program
GIS	Geographic Information System
GKMA	Greater Kamloops Motorcycle Association
GN	gill net
GNR	Global Non-response Rate
GPS	Global Positioning System
GSC	Geological Survey of Canada
GWP	Global Warming Potential
GWQMMP	Groundwater quality management and monitoring plan
H₂S	Hydrogen Sulphide
HC	Health Canada
HCA	<i>Heritage Conservation Act (1996)</i>
HDPE	High-density polyethylene
HGS	High grade stockpile
HHERA	Human Health and Ecological Risk Assessment

HPGR	High Pressure Grinder Roll
HSDA	Health Service Delivery Area
HVAC	Heating, ventilation, and air conditioning
HVC	Highland Valley Copper
HWMP	Hazardous Waste Management Plan
Hwy	Highway
IARC	International Agency for Research on Cancer
ICBC	Insurance Corporation of British Columbia
IDF	Inflow Design Flood
IF	Infrastructure Footprint
IHA	Interior Health Authority
IHF	International Hockey Federation
ILMB	Integrated Land Management Bureau
IMH	Iron Mask Hybrid
INAC	Indian and Northern Affairs Canada (now Aboriginal Affairs and Northern Development Canada)
IPCC	Intergovernmental Panel on Climate Change
IPMRSF	In-pit Mine Rock Storage Facility
IR	Indian Reserve
ISEE	International Society of Explosives Engineers
ISO	International Organization for Standardization
ISQG	Interim Sediment Quality Guideline
ITA BC	Industry Training Authority British Columbia
IWMS	Identified Wildlife Management Strategy
JACL	Jacko Lake
KAM	KGHM Ajax Mining Inc. (the Proponent)
KAMPLAN	Kamloops Official Community Plan
KAS	Kamloops Astronomical Society

KCB	Klohn Crippen Berger Ltd.
Keystone	Keystone Wildlife Research Ltd.
KFR	Kamloops Fire Rescue
KGHM	KGHM Polska Miedz S.A.
KLRMP	Kamloops Land and Resource Management Plan
KP	Knight Piésold Ltd.
KPCC	Kamloops Performance Cycling Centre
KPHE	Kamloops Physicians for a Healthy Environment
KPI	Key Person Interviews
Ld	Daytime equivalent sound level
Ldn	Daytime-nighttime equivalent sound level
LEL	Lowest Effect Level
LFN	Low frequency noise
LGS	Low grade stockpile
LHA	Local Health Area
LiDAR	Light Detection and Ranging
LLJR	Lac Le Jeune Road
LNG	Liquefied natural gas
LNIB	Lower Nicola Indian Band
LOM	Life of mine
LOS	Level(s) of Service
LRMP	Land and Resource Management Plan
LSA	Local Study Area
LULUCF	Land Use, Land-Use Change and Forestry
MAD	Mean Annual Discharge
MAP	Mean Annual Precipitation
MAR	Mine Access Road

MBCA	<i>Migratory Birds Convention Act</i>
MCE	Maximum Credible Earthquake
MCRP	Mine Closure and Reclamation Plan
MDL	Maximum Detection Limit
MEMA	<i>Mines and Environmental Management Act</i>
MGS	Medium grade stockpile
MIBC	Methyl isobutyl carbinol
Ministers	The Minister of Energy and Mines and the Minister of Environment
ML/ARD	Metal Leaching / Acid Rock Drainage
MMD	Mean Monthly Discharge
MMER	Metal Mining Effluent Regulations
MMSD	Mining, Minerals and Sustainable Development
MNBC	Métis Nation British Columbia
MOE	<i>See BC MOE</i>
MOECC	Ministry of Environment and Climate Change (Ontario)
MoTI	<i>See BC MOTI</i>
MP	Management Plan
MPCBC	Métis Provincial Council of British Columbia
MPMO	Major Projects Management Office
MPOI	Maximum Point of Impingement
MRSF	Mine Rock Storage Facility
MSDS	Material Safety Data Sheet
N₂	Nitrous oxide
NAD	North American Datum
NAG	Net Acid Generation
NAHO	National Aboriginal Health Organization
NAICS	North American Industry Classification System

NAPS	National Air Pollution Surveillance
NB	Northbound
NCC	Nature Conservancy of Canada
NDT	Natural Disturbance Type
New Gold	New Gold Inc.
NHMP	Natural Hazards Management Plan
NHS	National Household Survey
NI	National Instrument
NMBM	Numerical Mass Balance Model
No.	Number
NO	Nitric Oxide
NO₂	Nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NoC	Notice of Commencement
NOC	National Occupational Classification
NOW	Notice of Work
NOx	Oxides of nitrogen
NPAG	Non potentially acid generating
NPRI	National Pollutant Release Inventory
NPV	Net Present Value
NR	Noise reduction
NRCan	Natural Resources Canada
NSR	Net Smelter Return
NTU	Nephelometric Turbidity Units
NVISA	Nicola Valley Indian Services Association
NWRSF	North Waste Rock Storage Facility
O₃	Ozone

OCP	Official Community Plan
OD	Origin-destination
OGC	<i>See BC OGC</i>
OMS	Operation, maintenance, and surveillance
ORP	Oxidation-Reduction Potential
OWS	Oil-water separators
P	Potentially unstable
PAG	Potentially Acid Generating
PAX	Potassium amyl xanthate
PC	Peterson Creek
PCDP	Peterson Creek Downstream Pond
PCDS	Peterson Creek Diversion System
PCIC	Pacific Climate Impacts Consortium
PCO	Pollution Control Objective
PD	Project Description
PDCA	Plan, Do, Check, and Act
PDO	Pacific Decadal Oscillation
PEA	Preliminary Economic Analysis
PEL	Probable Effect Level
PET	Potential Evapotranspiration
PFMA	Potential Failure Modes Analysis
PFS	Prefeasibility Study
PGA	Peak Ground Acceleration
PIR	Provincial Inventory Report
p.m.	Post Meridiem [Afternoon and Evening]
PM	Particulate Matter
PM_{2.5}	Respirable particulate matter

PM₁₀	Inhalable particulate matter
PMF	Probable Maximum Flood
PMP	Probable Maximum Precipitation
PNGA	<i>Petroleum and Natural Gas Act</i>
PPV	Peak Particle Velocity
Project	the Ajax Project
Proponent	KGHM Ajax Mining Inc.
P/S	Public/Stakeholder
PSI	Preliminary Site Investigation
PSL	Permissible sound level
PST	Pacific Standard Time
PV	Personal Vehicle
PWL	Sound power level
PWP	Porewater Pressure
PYLL	Potential Years of Life Lost
QA/QC	Quality Assurance and Quality Control
QHS	Q'wemtsin Health Society
r²	Coefficient of determination
RA	Responsible Authority
RCMP	Royal Canadian Mounted Police
RFA	Reconciliation Framework Agreement
RFE	Regular Funding Envelope
RIC	Resources Inventory Committee (now RISC)
RIH	Royal Inland Hospital
RISC	Resources Information Standards Committee (formerly RIC)
RMS	Root mean square
ROM	Run-of-mine

ROW	Right-of-way
RQD	Rock Quality Designation
RSA	Regional Study Area
RSEC	Rare and Sensitive Ecological Communities
RTSM	Reconnaissance Terrain and Terrain Stability Mapping
RV	Recreational Vehicle
S	Stable
SB	Southbound
SARA	<i>Species at Risk Act</i>
SDS	Safety Data Sheets
SEL	Severe Effect Level
SEMP	Socio-economic Monitoring Plan
SI	Site Investigation
SIB	Skeetchestn Indian Band
SL	Sound level
SLD	Sugarloaf Diorite
SLR	Sugarloaf Ranch
SMRSF	South Mine Rock Storage Facility
SMS	Short Message Service
SMU	Soil Management Unit
SNTC	Shuswap Nation Tribal Council
SPL	Sound pressure level
SO₂	Sulphur dioxide
SOI	Substance of Interest
SMRSF	South Mine Rock Storage Facility
SpC	Specific conductivity
SPL	Sound Pressure Level

SRK	SRK Consulting Canada Ltd.
SRTM	Shuttle Radar Topography Mission
SSN	Stk'emplupsemc te Secwépemc Nation
SST	Sea surface temperature
STP	Sewage Treatment Plan
STS	Stk'emplupsemc te Secwépemc
STSS	South Thompson Settlement Strategy
SWQMMR	Surface Water Quality Management and Mitigation Plan
TAC	Transportation Association of Canada
TC	Transport Canada
TDG	Transportation of Dangerous Goods
TDM	Transportation Demand Management
TDR	Technical data report
TDS	Total dissolved solids
Teck	Teck Resources Limited
TEM	Terrestrial Ecosystem Mapping
TEMRSF	Tailings Embankment Mine Rock Storage Facility
TEOM	Tapered Element Oscillating Microbalance
Terra	Terra Archaeology Ltd.
TFL	Tree Farm License
TIA	Traffic Impact Assessment
TK/TU	Traditional Knowledge/Traditional Use
TL	Transmission loss
TLU	Traditional Land Use
TMP	Transportation Management Plan
TMPL	Trans Mountain Pipeline System
TN	Trap net

TNRD	Thompson-Nicola Regional District
TNRD-J	Thompson-Nicola J (Copper Desert Country)
ToC	Table of Conditions
TOC	Total organic carbon
ToR	Terms of Reference
TRIM	Terrain Resource Information Mapping
TRU	Thompson Rivers University
TSA	Timber Supply Area
TSF	Tailings Storage Facility
TSM	Towards Sustainable Mining
TSP	Total Suspended Particulate
TSS	Total Suspended Solids
TSX	Toronto Stock Exchange
TteS	Tk'emlúps te Secwépemc
TTP	Tailings Thickening Plant
U	Unstable
UNCL	Unclassified ML/ARD potential material (for planning and design purposes it is assumed that UNCL material is PAG).
UNFCCC	United Nations Framework Convention on Climate Change
USA	United States of America
USBM	United States Bureau of Mines
USGS	United States Geologic Survey
UTM	Universal Transverse Mercator (geographic coordinate system)
uTrN	Nicola Volcanics
uTrNop	Picrite Unit
UWR	Ungulate Winter Range
VAST	VAST Resource Solutions Inc.
VC	Valued Component

VQO	Visual Quality Objective
VSU	Visual Sensitivity Unit
VWP	Vibrating Wire Piezometer
WAD	Weak Acid Dissociable
WBM	Water balance model
WCP	Wetland Compensation Plan
WHA	Wildlife Habitat Area
WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization
WMA	Wildlife Management Area
WMP	Water Management Plan
WMRSF	West Mine Rock Storage Facility
WP	Waypoint
WP/CIB	Whispering Pines/Clinton Indian Band
WRBC	Water Resources of British Columbia
WRMS	Wildfire Risk Management System
WSC	Water Survey of Canada
WTE	Waste to Energy
WVMP	Wildlife and Vegetation Monitoring Plan
ZOI	Zone of Influence

List of Symbols and Units of Measurement

Symbol	Unit	Symbol	Unit
°	degree	km	kilometre
°C	degree Celsius	kPa	kilopascal
µg/m ³	microgram per cubic metre	kt	kilotonne
µm	micrometre or micron	kVA	kilovolt-ampere
µPa	micropascal	kW	kilowatt
µS	microsiemens	kWh	Kilowatt-hour
a	annum (year)	kWh/t	kilowatt-hours per tonne
bbbl	oil barrel (42 gallons)	L	litre
Bt	billion tonnes	L/m	litres per minute
Cdn\$	dollars (Canadian)	Leq	equivalent sound level
cm	centimetre	Ln	night time equivalent sound level
cm ²	square centimetre	m	metre
cm ³	cubic centimetre	m/s	metres per second
d	day	m ³	cubic metre
dB	decibel	m ³ /d	cubic metres per day
dBA	A-weighted decibel level	m ³ /h	cubic metres per hour
dB(C)	C-weighted decibel level	m ³ /s	cubic metres per second
dB(L)	linear decibel level	masl	metres above sea level
g	gram*	mbgs	metres below ground surface
g	acceleration due to gravity*	mE	metres east
g/t	grams per tonne	mg	milligram
ha	hectare	mm	millimetre
h	hour (<i>also used: hr</i>)	mm/s	millimetres per second
K	kelvin (temperature)	mN	metres north
kg	kilogram	MW	megawatt (1,000,000 watts)

Symbol	Unit	Symbol	Unit
Mt	megatonne (1,000,000 tonnes)	s	second
nm	nanometre	t	metric tonne (1,000 kg)
oz	ounce	t/d	tonnes per day
Pa	pascal	t/h	tonnes per hour
Pa-msec	pascal-millisecond	t/a	tonnes per annum
psi	pounds per square inch	t/y	tonnes per year
psi-msec	pounds per square inch-millisecond	US\$	dollars (United States)
Q	discharge	V	volt
Qn	discharge return period, where "n" is years	Wmt	wet metric ton

** In Section 17.5, g refers to acceleration due to gravity; in all other sections, g is the symbol for grams.*