



**STAR-ORION SOUTH DIAMOND PROJECT
ENVIRONMENTAL IMPACT STATEMENT**

APPENDIX 5.2.4-A

Mini-Partisol Air Sampling Record

Shore Gold Inc.

Mini-Partisol Air Sampling Record

Start time 12:00PM Sundays and stop time is 12:00PM Fridays

Filter ID (RP#)	Start Date	Start Time	Stop Date	Stop time	Elapsed Time (hr)	Volume (m3)	Temp. (°C)	B. Press. (mbar)	Air Sampler	Filters Sent For Analysis (Y/N)	Date Filters Sent For Analysis	Date Filter Results Returned	TSP Mass (µg / filter)	TSP Conc. (µg / m ³)	PM10 Mass (µg / filter)	PM10 Conc. (µg / m ³)
RP 038941	16-Mar-08	12:00	21-Mar-08	10:00	120	35.999	-4.1		PM 10	Y	23-Apr-08	5-Jun-08			197	5.5
RP 050989	16-Mar-08	12:00	21-Mar-08	10:00	120	35.999	-4.1		PM TOTAL	Y	23-Apr-08	5-Jun-08	230	6.4		
RP 086141	23-Mar-08	12:00	28-Mar-08	12:00	120	35.999	9	953	PM 10	Y	23-Apr-08	5-Jun-08			256	7.1
RP 090546	23-Mar-08	12:00	28-Mar-08	12:00	120	35.998	11	954	PM TOTAL	Y	23-Apr-08	5-Jun-08	210	5.8		
RP 090554	30-Mar-08	12:00	4-Apr-08	12:00	120	35.99	-2	966	PM 10	Y	23-Apr-08	5-Jun-08			250	6.9
RP 046634	30-Mar-08	12:00	4-Apr-08	12:00	120	35.99	-2	968	PM TOTAL	Y	23-Apr-08	5-Jun-08	354	9.8		
RP 086156	6-Apr-08	12:00	11-Apr-08	12:00	120	35.248	7	968	PM TOTAL	Y	23-Apr-08	5-Jun-08	10	0.3		
RP 083499	6-Apr-08	12:00	11-Apr-08	12:00	120	35.999	4	965	PM 10	Y	23-Apr-08	5-Jun-08			282	7.8
RP 084365	13-Apr-08	12:00	18-Apr-08	12:00	120	35.998	9	966	PM 10	Y	23-Apr-08	5-Jun-08			290	8.1
RP 091296	13-Apr-08	12:00	18-Apr-08	12:00	120	35.999	9	966	PM TOTAL	Y	23-Apr-08	5-Jun-08	57	1.6		
RP 085941	20-Apr-08	12:00	25-Apr-08	12:00	120	35.892	2	964	PM TOTAL	Y	3-Jun-08	24-Jun-08	684	19.1		
RP 040117	20-Apr-08	12:00	25-Apr-08	12:00	120	35.999	-1	964	PM 10	Y Damaged	3-Jun-08	24-Jun-08				
RP 081349	27-Apr-08	12:00	2-May-08	12:00	120	35.999	7	964	PM 10	Y	3-Jun-08	24-Jun-08			319	8.9
RP 058027	27-Apr-08	12:00	2-May-08	12:00	120	35.998	9	963	PM TOTAL	Y	3-Jun-08	24-Jun-08	428	11.9		
RP 090576	4-May-08	12:00	9-May-08	12:00	120	36	26	901	PM TOTAL	Y	3-Jun-08	24-Jun-08	445	12.4		
RP 097710	4-May-08	12:00	9-May-08	12:00	120	35.999	6	963	PM 10	Y	3-Jun-08	24-Jun-08			401	11.1
RP 071615	11-May-08	12:00	16-May-08	12:00	120	35.999	25	898	PM TOTAL	Y	3-Jun-08	24-Jun-08	591	16.4		
N/A	PM 10 OUT OF COMMISSION								PM 10							
RP 058031	18-May-08	12:00	23-May-08	12:00	120	35.999	25	901	PM TOTAL	Y	3-Jun-08	24-Jun-08	227	6.3		
N/A	PM 10 OUT OF COMMISSION								PM 10							
RP 025062	25-May-08	12:00	30-May-08	12:00	120	35.999	58	881	PM TOTAL	Y	3-Jun-08	24-Jun-08	749	20.8		
N/A	PM 10 OUT OF COMMISSION								PM 10							
RP 089952	1-Jun-08	12:00	6-Jun-08	12:00	120	35.999	N/A	N/A	PM TOTAL	Y	3-Jul-08	11-Jul-08	714	19.8		
RP 076324	9-Jun-08	12:30	15-Jun-08	12:30	120	35.999	14	957	PM10	Y	3-Jul-08	11-Jul-08			299	8.3
RP 089973	10-Jun-08	15:00	15-Jun-08	10:00	115	34.499	25	960	PM TOTAL	Y	3-Jul-08	11-Jul-08	453	13.1		
RP 084373	15-Jun-08	17:00	20-Jun-08	17:00	120	35.999	24	966	PM TOTAL	Y	3-Jul-08	11-Jul-08	390	10.8		
RP 054427	15-Jun-08	17:00	20-Jun-08	17:00	120	35.999	18	962	PM 10	Y	3-Jul-08	11-Jul-08			250	6.9
RP 090549	22-Jun-08	12:00	27-Jun-08	12:00	120	35.999	24	961	PM TOTAL	Y	3-Jul-08	11-Jul-08	545	15.1		
RP 055849	22-Jun-08	12:00	27-Jun-08	12:00	120	35.999	19	957	PM 10	Y	3-Jul-08	11-Jul-08			263	7.3
RP 054482	Sample no good - PM TOTAL monitor did not work properly															
RP 090574	Sample no good - PM 10 monitor did not work properly															
RP 089966	7-Jul-08	12:00	12-Jul-08	12:00	120	1.159	24	963	PM TOTAL	Y	5-Aug-08	19-Aug-08	10	8.6		
RP 071564	6-Jul-08	12:00	11-Jul-08	12:00	120	35.999	16	958	PM 10	Y	5-Aug-08	19-Aug-08			160	4.4
RP 027331	Sample no good - PM TOTAL monitor did not work properly															
RP 084094	13-Jul-08	12:00	18-Jul-08	12:00	120	35.999	18	961	PM 10	Y	5-Aug-08	19-Aug-08			180	5.0
RP 098266	20-Jul-08	12:00	25-Jul-08	12:00	120	35.999	21	959	PM10	Y	5-Aug-08	19-Aug-08			459	12.8
RP 089956	Sample no good - PM TOTAL monitor did not work properly															

Filter ID (RP#)	Start Date	Start Time	Stop Date	Stop time	Elapsed Time (hr)	Volume (m3)	Temp. (°C)	B. Press. (mbar)	Air Sampler	Filters Sent For Analysis (Y/N)	Date Filters Sent For Analysis	Date Filter Results Returned	TSP Mass (µg / filter)	TSP Conc. (µg / m³)	PM10 Mass (µg / filter)	PM10 Conc. (µg / m³)
RP 021384	27-Jul-08	12:00	1-Aug-08	12:00	120	35.999	24	957	PM TOTAL	Y	5-Aug-08	19-Aug-08	471	13.1		
RP 050929	27-Jul-08	12:00	1-Aug-08	12:00	120	35.999	19	954	PM 10	Y	5-Aug-08	19-Aug-08			276	7.7
RP 090555	3-Aug-08	12:00	6-Aug-08	12:00	7	0.035	25	975	PM TOTAL	N	Only ran for 7 minutes					
RP 036504	3-Aug-08	12:00	6-Aug-08	12:00	120	35.999	19	962	PM 10	Y						
RP 076193	10-Aug-08	12:00	15-Aug-08	12:00	120	35.999	19	958	PM 10	Y						
RP 095674	Sample no good - PM TOTAL monitor did not work properly															
RP 080862	17-Aug-08	12:00	19-Aug-08	2:45	50.45	15.226	22	958	PM10	N	Filter was ripped					
RP 097710	24-Aug-08	12:00	25-Aug-08	3:06	27.06	8.132	36	985	PM TOTAL	N	Only ran for 27 minutes					
RP 076152	24-Aug-08	12:00	25-Aug-08	12:00	120	35.999	17	950	PM 10	Y	17-Oct-08	28-Oct-08				
RP 072141	31-Aug-08	12:00	5-Sep-08	12:00	120	35.998	14	1019	PM TOTAL	Y	17-Oct-08	28-Oct-08	157	4.4		
RP 071615	31-Aug-08	12:00	5-Sep-08	12:00	120	35.999	13	964	PM10	Y	17-Oct-08	28-Oct-08			187	5.2
RP 072304	7-Sep-08	12:00	12-Sep-08	12:00	120	35.998	14	1015	PM TOTAL	Y	17-Oct-08	28-Oct-08	251	7.0		
RP 041058	7-Sep-08	12:00	12-Sep-08	12:00	120	35.998	13	959	PM10	N	Filter was ripped					
RP 091293	15-Sep-08	10:22	20-Sep-08	10:22	120	35.998	13	1021	PM TOTAL	Y	17-Oct-08	28-Oct-08	387	10.8		
RP 085941	14-Sep-08	12:00	19-Sep-08	12:00	120	35.999	13	963	PM10	Y	17-Oct-08	28-Oct-08			271	7.5
RP 041550	21-Sep-08	12:00	26-Sep-08	12:00	120	35.998	11	1016	PM TOTAL	Y	17-Oct-08	28-Oct-08	303	8.4		
RP 076206	21-Sep-08	12:00	26-Sep-08	12:00	120	35.999	10	960	PM10	Y	17-Oct-08	28-Oct-08			192	5.3
RP 076147	28-Sep-08	12:00	3-Oct-08	12:00	120	35.998	13	1023	PM TOTAL	Y	17-Oct-08	28-Oct-08	798	22.2		
RP 079489	28-Sep-08	12:00	3-Oct-08	12:00	120	35.999	11	966	PM10	Y	17-Oct-08	28-Oct-08			562	15.6
RP 076990	5-Oct-08	12:00	10-Oct-08	12:00	120	35.998	9	1014	PM TOTAL	Y	17-Oct-08	28-Oct-08	175	4.9		
RP 090537	5-Oct-08	12:00	10-Oct-08	12:00	120	35.999	8	957	PM10	Y	17-Oct-08	28-Oct-08			112	3.1
RP 026268	12-Oct-08	12:00	17-Oct-08	12:00	120	35.998	5	1023	PM TOTAL	Y	2-Dec-08	16-Dec-08	266	7.4		
RP 076191	12-Oct-08	12:00	18-Oct-08	12:00	120	35.999	4	966	PM10	Y	2-Dec-08	16-Dec-08			148	4.1
RP 076141	19-Oct-08	12:00	24-Oct-08	12:00	120	35.999	5	964	PM10	Y	2-Dec-08	16-Dec-08			186	5.2
RP 046117	19-Oct-08	12:00	24-Oct-08	12:00	120	35.998	6	1023	PM TOTAL	Y	2-Dec-08	16-Dec-08	303	8.4		
RP 091301	9-Nov-08	12:00	14-Nov-08	12:00	120	35.999	-1	957	PM10	Y	2-Dec-08	16-Dec-08			270	7.5
RP 097899	9-Nov-08	12:00	14-Nov-08	12:00	120	0	0	0	PM TOTAL	N	Did not run					
RP 089981	16-Nov-08	12:00	22-Nov-08	12:00	120	35.999	-7	978	PM10	Y	2-Dec-08	16-Dec-08			106	2.9
RP 076985	16-Nov-08	12:00	22-Nov-08	15:31	147.31	0	0	0	PM TOTAL	Y	2-Dec-08	16-Dec-08				
RP 090582	23-Nov-08	12:00	28-Nov-08	12:00	120	35.999	-4	965	PM10	Y	30-Dec-08	19-Jan-09			126	3.5
RP 026380	23-Nov-08	12:00	28-Nov-08	12:00	120	35.998	-3	1021	PM TOTAL	Y	30-Dec-08	19-Jan-09	186	5.2		
RP 090581	30-Nov-08	12:00	5-Dec-08	12:00	120	35.999	-7	964	PM10	Y	30-Dec-08	19-Jan-09			8	0.2
RP 046685	30-Nov-08	12:00	5-Dec-08	12:00	120	35.998	-6	1021	PM TOTAL	Y	30-Dec-08	19-Jan-09	196	5.4		
RP 076324	7-Dec-08	12:00	11-Dec-08	9:08	93	27.935	-19	1030	PM TOTAL	Y	30-Dec-08	19-Jan-09	37	1.3		
RP 036940	7-Dec-08	12:00	12-Dec-08	12:00	120	35.999	-14	971	PM 10	Y	30-Dec-08	19-Jan-09			61	1.7
RP 095651	14-Dec-08	12:00	19-Dec-08	12:00	120	35.971	-23	977	PM10	Y	30-Dec-08	19-Jan-09			203	5.6
RP 058030	14-Dec-08	12:00	15-Dec-08	6:29	18.29	5.307	-34	1043	PM TOTAL	Y	30-Dec-08	19-Jan-09	85	16.0		
RP 021328	24-Dec-08	10:00	29-Dec-08	10:00	120	27.844	-19	963	PM 10	Y	30-Dec-08	19-Jan-09			157	5.6
RP 019542	24-Dec-08	10:00	29-Dec-08	10:00	0	0	0	0	PM TOTAL	N	Did not run					
RP 019423	29-Dec-08	12:00	3-Jan-09	12:00	120	12.366	-21	973	PM 10	Y	20-Jan-08	2-Feb-09			26	2.1
RP 089981	29-Dec-08	12:00	3-Jan-09	12:00	120	33.177	-25	1030	PM TOTAL	Y	20-Jan-08	2-Feb-09	175	5.3		
RP 018844	6-Jan-09	13:20	11-Jan-09	13:20	120	11.493	-17	969	PM 10	Y	20-Jan-08	2-Feb-09			23	2.0

Filter ID (RP#)	Start Date	Start Time	Stop Date	Stop time	Elapsed Time (hr)	Volume (m3)	Temp. (°C)	B. Press. (mbar)	Air Sampler	Filters Sent For Analysis (Y/N)	Date Filters Sent For Analysis	Date Filter Results Returned	TSP Mass (µg / filter)	TSP Conc. (µg / m ³)	PM10 Mass (µg / filter)	PM10 Conc. (µg / m ³)
RP 091301	6-Jan-09	13:20	7-Jan-09	18:44	29.21	8.804	-19	1020	PM TOTAL	Y	20-Jan-08	2-Feb-09	26	3.0		
RP 19991	12-Jan-09	12:38	12-Jan-09	12:38	0	0	0	0	PM TOTAL	N	Did not run					
RP 20670	11-Jan-09	18:00	16-Jan-09	10:22	112.22	5.936	-24	986	PM 10	Y	20-Jan-08	2-Feb-09			19	3.2
													MEAN	9.7		6.1