

APPENDIX E.2

INCINERATOR ASH TESTING RESULTS 2015 (HISTORICAL AND CURRENT)

September 30, 2015

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Re: Historical Ash Summary Report
Mary River Project – Water Licence No. 2AM-MRY1325 Amendment No. 1

1. History

In August of 2012, EBA Engineering Consultants Ltd. (EBA) was contracted to conduct a sampling program and assessment of the stockpiled barrels of ash and waste on the Mine Site (EBA, 2013).

In 2014, approximately 730 ash barrels were disposed of at the Mine Site landfill. As of summer 2014, approximately 425 barrels were being stored at the 2007 laydown area on the east side of the airstrip at the Mine Site

As of summer 2014, approximately 366 barrels were being stored in Milne Port beside the hazardous waste berms.

2. 2014 Sampling Program

Mine Site

A temporary berm was constructed for the barrels and all barrels were moved inside. 149 of the approximate 425 barrels were inspected for their contents and sampled if applicable.

On September 18, 2014, approximately 120, (the compliant sampled, and landfill categorised) barrels were disposed of in the Mine Site Landfill covered with one metre of material, followed by geo-membrane liner and an additional two metres of material. Approximately 305 barrels remained in the constructed berm at the end of 2014.

Milne Port

A temporary berm was constructed for the barrels and all barrels were moved inside. Approximately 366 barrels were inspected for their contents and sampled if applicable. All 366 barrels remained in the constructed berm at the end of the 2014 program.

3. 2015 Sampling Program

Mine Site

In early July 2015, an Historical Ash Identification and Evaluation Program was performed on the remaining ash drums in Hazardous Waste Berm 6 (MS-HWB-6). A count yielded 251 historical ash drums remaining to evaluate. This was less than the 305 remaining previously estimated at the end of the 2014 program. These remaining drums were inspected for their contents and sampled if applicable, yielding the following categories of drums remaining in the berm:

- € 85 barrels sampled: All of which tested below the Process Residuals Discharge Minimum (GN,2011)
- € Remaining drums characterized by contents:
 - o 12 barrels of landfill waste
 - o 68 barrels of unidentifiable waste
 - o 63 barrels of hazardous waste
 - o 14 barrels of re-burnable waste
 - o 9 barrels of contaminated water

On July 28, 2015 approximately 97 barrels (the compliant sampled (85), and landfill (12) categorised), were disposed of in the Mine Site landfill. This left 154 barrels in Hazardous Waste Berm 6. The 14 re-burn barrels were moved and stored in Hazardous Waste Berm 2 (MS-HWB-2), and remain there currently. The 140 barrels of unidentifiable waste (68), hazardous waste (63), and contaminated water (9) were packed into c-cans and are to be backhauled from site on the 2015 sealift. Currently no historical ash drums remain in Hazardous Waste Berm 6 (MS-HWB-6).

Hazardous Waste Berm 6 Reclamation

As stated in the letter sent September 7, 2015, "Historical Ash Deliverables", Baffinland requested that the remediation of the Mine Site containment area (MS-HWB-6) be deferred for 12 months (Appendix A) for reasons stated in the letter. The analytical metals results of the four soil samples taken from immediately adjacent and outside the berms of MS-HWB-6 are currently outstanding.

Milne Port

In early July 2015, an Historical Ash Identification and Evaluation Program was performed on the remaining ash drums in the Temporary Historical Ash Berm (MP-HWP-5). A count yielded 367 historical ash drums remaining in the berm. The drums were inspected for their contents to verify the program from 2014 and sampled if applicable, yielding the following categories of drums remaining in the berm:

- € 135 barrels sampled: all of which tested below the Process Residuals Discharge Minimum (GN,2011)
- € Remaining drums characterized by contents:
 - o 27 barrels of landfill waste
 - o 15 barrels of unidentifiable waste
 - o 104 barrels of hazardous waste
 - o 68 barrels of re-burnable waste
 - o 18 barrels of contaminated water

In Late July, 2015 approximately 162 barrels (the compliant sampled (135), and landfill (27) categorised) were transported by truck to the Mary River Mine Site and disposed of in the Mine Site Landfill. This left 205 barrels in the Temporary Historical Ash Berm. All 205 of these barrels were packed into c-cans and are to be backhauled from the site by sealift. Currently no historical ash drums remain in the Temporary Ash Berm (MP-HWP-5).

Temporary Historical Ash Berm (MP-HWP-5) Reclamation

In late July, 2015 the Temporary Historical Ash Berm at Milne was decommissioned. All soil on top of the liner was excavated and moved to the Milne Port Landfarm Facility for remediation. Two inches of soil under the liner was also removed and sent to the Landfarm. The liner is currently being stored in the Landfarm to be disposed of on the 2016 sealift backhaul

On August 17, nine discrete samples were taken from the soil below the liner in a grid format comprehensively covering the berm footprint (Figure 1). The samples were analysed for metals, PHC fractions and volatile organic compounds associated with PHCs. Sample analyses was conducted by ALS Environmental Laboratories. There were no exceedances of the Canadian Guideline for Contaminated Site Remediation Industrial Landuse criteria for all metals, volatile organic compounds, and hydrocarbons. The Results Summary Table for these samples is provided in Appendix B.

4. Closure

As of September 30, 2015 there are no barrels remaining in the two temporary historical ash containment berms at either site (MS-HWB-6 & MP-HWP-5). In total, 259 landfill compliant ash barrels were disposed of in the Mine Site Landfill. Additionally, 345 barrels were/will be backhauled during the 2015 Sealift for disposal at a certified facility in Southern Canada. Fourteen remaining drums are being stored in MS-HWB-2 at the Mine Site to be re-burned. The reclaimed area in Milne Port (MP-HWP-5) and the berm at the Mine Site (MS-HWB-6).

5. References

EBA (EBA Engineering Consultants Ltd.), 2013. Incinerator Ash Drum Sampling Report. EBA Engineering Consultants Ltd: March 2013.

Government of Nunavut, (2011). Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities, Department of the Environment, Government of Nunavut: Revised April 2011.

Government of Nunavut, 1999. Environmental Guideline for Contaminated Site Remediation. Department of the Environment, Government of Nunavut: Revised April 2009

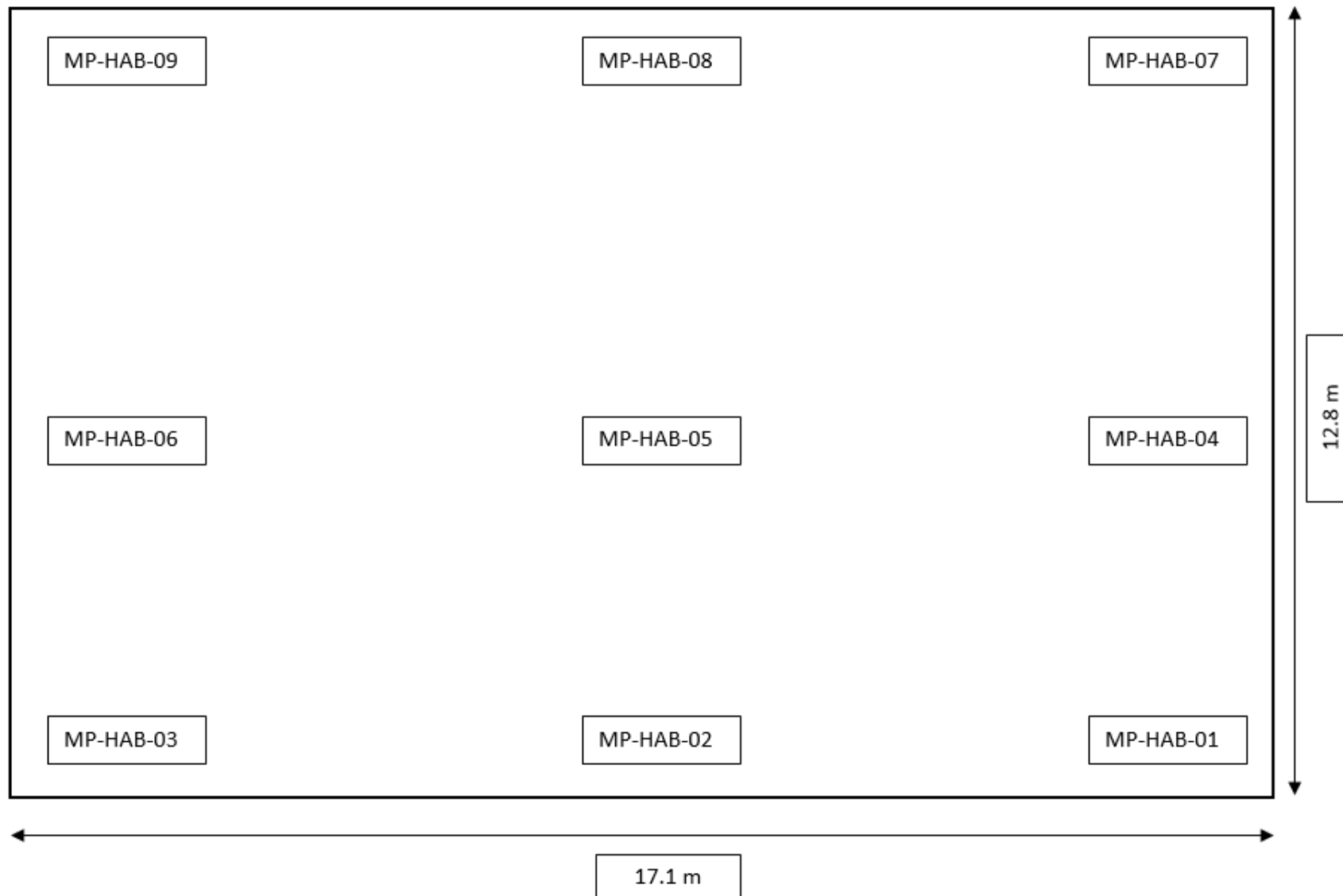


Figure 1 - MP-HWP-5 Sampling Map

APPENDIX A
HISTORICAL ASH DELIVERABLES – SEPTEMBER 7, 2015



September 7, 2015

Acting Director Major Projects
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin.Hack@aandc-aadnc.gc.ca

Re: Historical Ash Deliverables
Mary River Project - Water Licence No. 2AM-MRY1325

Dear Mr. Hack,

In the letter sent February 2, 2015, "*Historical Ash Deliverables*", Baffinland requested an extension of the disposal historical ash and the submission of the final summary report. The Category 1 ash that was stored in Milne Port Site has been transported to and disposed of in the Mary River Mine Site Landfill; Drums assessed as hazardous have been prepared to be backhauled; Drums to be reburned are in the process of such and at the Mine Site are stored in a permanent storage berm (MS-HWB-2) and at Milne Port the drums to be reburned are stored in a berm adjacent to the Waste Management Building (MP-HWP-2).

While the temporary berm at Milne Port Site has been remediated and removed, the reason for this letter is to request that the temporary containment berm at the Mary River Mine Site (MS-HWB-6) be retained for use through to next summer 2016. It is our opinion that this berm remains in adequate condition and we feel that it would be appropriate to utilize it again for another year for the purpose of general hazardous waste storage.

As stated in the February 2, 2015, "*Historical Ash Deliverables*", a soil sample program was to be completed and a final summary of the findings of this program and notification of the completion of the Disposal Plan for the Waste Ash in Barrels will be submitted to AANDC Water Inspectors on or before September 30, 2015. While this will include the remediation of the Milne Port Site temporary storage area, it is requested that the remediation of the Mary River Mine Site containment area (MS-HWB-6) be deferred for 12 months. As an interim measure, we would be pleased to collect four soil samples immediately adjacent and outside the berms of MS-HWB-06 for analyses of metals and hydrocarbon parameters.

Should you require further information or clarification, please feel free to contact the undersigned at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Sincerely,

A handwritten signature in black ink that reads "Allan Knight".

Allan Knight, B.Sc.
Environmental Superintendent

Reviewed by:

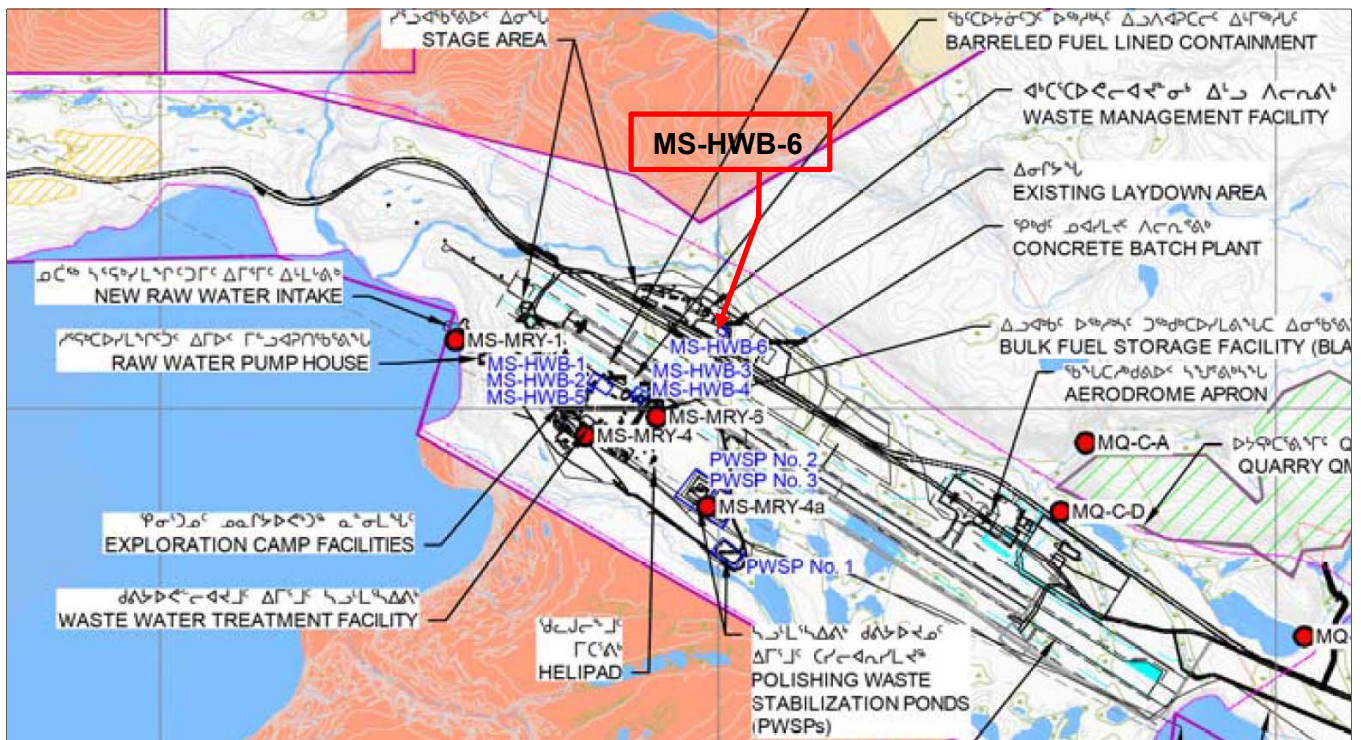
James Millard, M.Sc., P.Geo.
Environmental Manager

Attach: Map, Photos

cc. Michael Anderson, Erik Madsen, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers (Baffinland), Erik Allain (AANDC), Manager of Licencing (NWB).



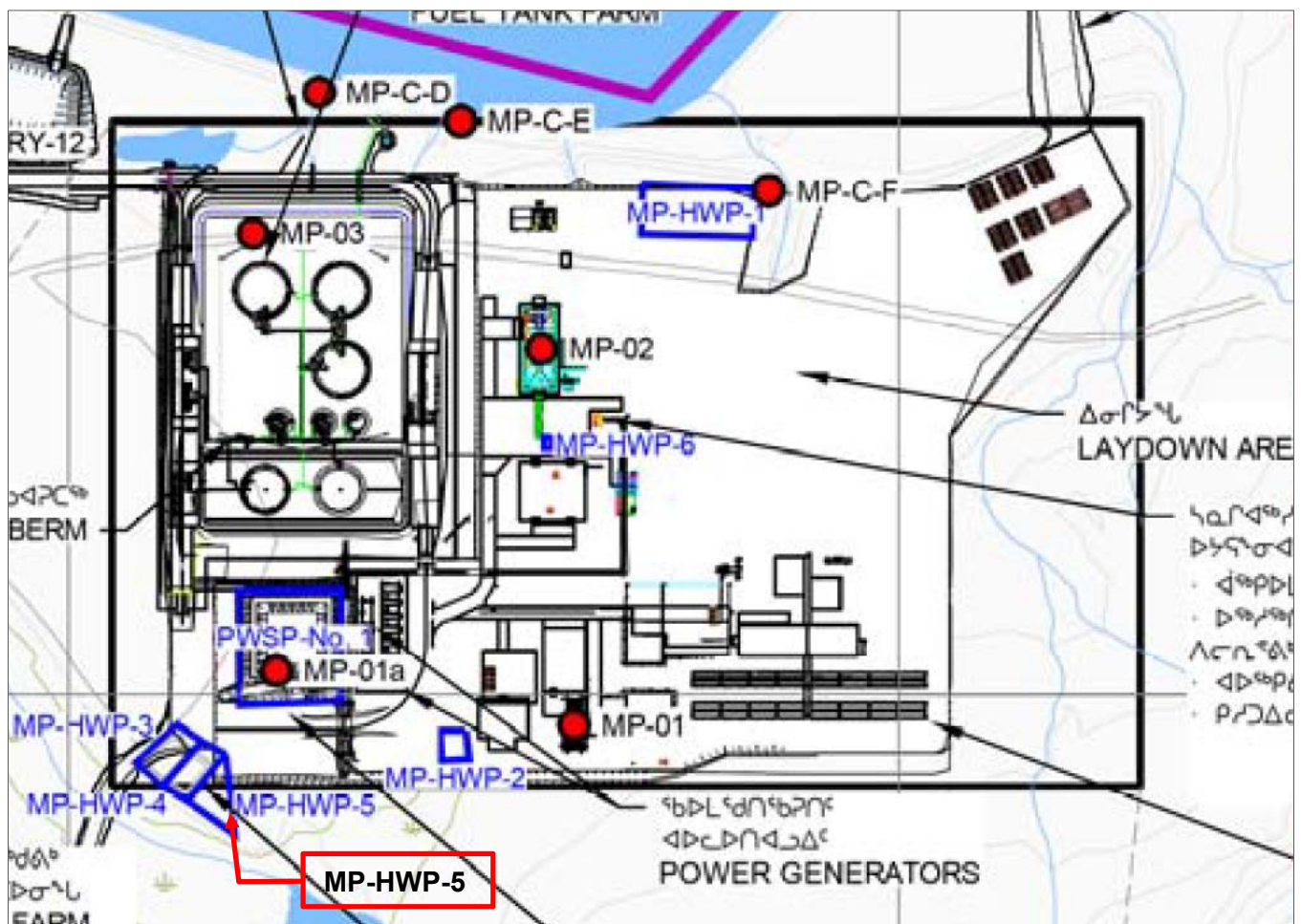
MS-HWB-6 (Sept 4, 2015)



Location of MS-HWB-6 at the Mary River Mine Site



MP-HWP-5 (August 17, 2015)



Location of MP-HWP-5 at the Milne Inlet Port Site

APPENDIX B
RESULTS SUMMARY TABLE

Results Summary L1659744

Job Reference HISTORICAL ASH BERM DECOMM
Report To Jim Millard, BAFFINLAND IRON MINES CORPORATION
Date Received 18-Aug-2015 9:30
Report Date 25-Aug-2015 11:40
Report Revision 1

Client Sample ID	MP-HAB-01	MP-HAB-02	MP-HAB-0201	MP-HAB-03	MP-HAB-04	MP-HAB-05	MP-HAB-06	MP-HAB-07	MP-HAB-08	MP-HAB-09
Date Sampled	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015	17-Aug-2015
Time Sampled	16:00	16:05	16:10	16:10	16:15	16:20	16:25	16:30	16:35	16:40
ALS Sample ID	L1659744-1	L1659744-2	L1659744-3	L1659744-4	L1659744-5	L1659744-6	L1659744-7	L1659744-8	L1659744-9	L1659744-10

ALS Sample ID			Candian Soil Quality Guidelines	L1659744-1	L1659744-2	L1659744-3	L1659744-4	L1659744-5	L1659744-6	L1659744-7	L1659744-8	L1659744-9	L1659744-10
Parameter	Lowest Detection Limit	Units	(mg/kg soil) Industrial Landuse	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Physical Tests (Soil)													
% Moisture	0.10	%		3.69	4.24	3.68	9.67	10.6	5.98	4.77	3.97	4.82	5.16
Metals (Soil)													
Aluminum (Al)	50	ug/g		1540	2960	2410	2620	2460	2290	2230	1890	1760	1930
Antimony (Sb)	0.10	ug/g		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10
Arsenic (As)	0.10	ug/g	12	0.97	1.44	1.35	1.08	0.92	1.10	1.09	1.05	1.14	1.26
Barium (Ba)	0.50	ug/g	2000	4.23	8.58	6.99	7.21	6.87	6.39	6.56	5.35	5.31	5.55
Beryllium (Be)	0.10	ug/g		0.14	0.20	0.18	0.18	0.18	0.17	0.18	0.16	0.16	0.21
Bismuth (Bi)	0.20	ug/g		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Boron (B)	5.0	ug/g		13.9	22.9	20.1	19.4	17.9	18.4	17.2	14.6	12.9	12.9
Cadmium (Cd)	0.020	ug/g	22	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Calcium (Ca)	50	ug/g		31200	63600	54900	54800	36500	49100	41700	36300	35000	33400
Chromium (Cr)	0.50	ug/g	87	15.2	19.7	19.1	13.7	10.6	12.9	16.3	18.9	18.2	26.8
Cobalt (Co)	0.10	ug/g		2.11	2.91	2.69	2.24	1.82	1.85	2.24	2.40	2.36	3.99
Copper (Cu)	0.50	ug/g	91	1.92	3.57	2.99	2.95	2.79	2.60	3.83	2.52	2.64	2.95
Iron (Fe)	50	ug/g		20700	18800	19400	10400	8410	10600	17800	19900	19300	36300
Lead (Pb)	0.50	ug/g	600	2.34	3.03	2.61	2.70	2.50	2.55	2.76	2.61	2.88	3.53
Lithium (Li)	2.0	ug/g		7.5	13.6	11.7	12.5	10.8	11.3	10.5	8.8	8.3	8.3
Magnesium (Mg)	20	ug/g		16300	33200	29200	28100	20600	23800	21300	19300	18300	16800
Manganese (Mn)	1.0	ug/g		63.8	111	99.8	90.3	73.4	82.2	88.1	83.8	85.4	115
Molybdenum (Mo)	0.10	ug/g		0.17	0.24	0.20	0.22	0.18	0.19	0.22	0.20	0.20	0.26
Nickel (Ni)	0.50	ug/g	50	4.28	7.28	5.89	5.95	5.22	4.86	5.58	5.35	4.97	6.15
Phosphorus (P)	50	ug/g		228	295	319	291	244	253	267	189	238	299
Potassium (K)	100	ug/g		580	1190	980	1010	890	890	850	720	570	590
Selenium (Se)	0.20	ug/g	2.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Silver (Ag)	0.10	ug/g		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium (Na)	50	ug/g		<50	91	80	81	68	77	73	<50	<50	<50
Strontium (Sr)	0.50	ug/g		15.8	31.1	28.0	26.2	19.2	24.6	20.1	18.0	17.5	16.1
Sulfur (S)	5000	ug/g		<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000
Thallium (Tl)	0.050	ug/g	1	<0.050	0.052	<0.050	0.052	0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Tin (Sn)	2.0	ug/g		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Titanium (Ti)	1.0	ug/g		122	217	173	190	167	164	160	156	134	164
Uranium (U)	0.050	ug/g	300	0.512	0.548	0.504	0.435	0.427	0.456	0.642	0.609	0.633	0.856
Vanadium (V)	0.20	ug/g	130	25.3	25.9	26.2	14.2	11.7	14.0	21.9	23.7	22.3	47.7
Zinc (Zn)	2.0	ug/g	360	4.4	7.7	6.9	7.5	6.7	6.2	7.9	5.5	5.0	7.7
Zirconium (Zr)	1.0	ug/g		2.3	3.8	3.5	2.0	1.1	2.4	1.5	3.9	1.5	1.7

Volatile Organic Compounds (Soil)												
Benzene	0.020	ug/g	0.03	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.050	ug/g	0.082	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	0.050	ug/g	0.37	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
o-Xylene	0.050	ug/g		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
m+p-Xylenes	0.10	ug/g		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Xylenes (Total)	0.11	ug/g	11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
4-Bromofluorobenzene		%		108.8	107.4	110.3	105.3	104.8	109.3	109.7	106.4	106.8
1,4-Difluorobenzene		%		107.5	103.4	105.8	105	104.5	105.8	104.1	104.6	105.4

Hydrocarbons (Soil)													
F1 (C6-C10)	5.0	ug/g	320	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F1-BTEX	5.0	ug/g		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	10	ug/g	260	<10	119	26	<10	<10	75	109	18	29	<10
F3 (C16-C34)	50	ug/g	1700	<50	60	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	50	ug/g	3300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Total Hydrocarbons (C6-C50)	72	ug/g		<72	178	<72	<72	<72	75	109	<72	<72	<72
Chrom. to baseline at nC50		-		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2-Bromobenzotrifluoride		%		83.1	90.3	77	83.6	85.7	85.8	88.9	84.9	87.4	87.2
3,4-Dichlorotoluene		%		85.9	85.9	82.6	81.2	79.4	85.3	88.9	77.4	88.8	78.6

Qualifier Legend VTHS Volatile test was conducted on sample with headspace. Results may be biased low.

APPENDIX E.2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
ANNUAL INVENTORY AND STATUS OF 2015 PRODUCED INCINERATOR ASH

Category	Mine Site Barrels	Mine Site ~Volume m ³	Mine Site Status	Milne Port Barrels	Milne Port ~Volume m ³	Milne Port Status
Landfill	72 + 1 bin	20.33	Landfilled	105	27.03	Landfilled
Hazardous	2	0.51	Reburned	9	2.32	Reburned
Total	74 + 1 bin	20.84	N/A	63	29.34	N/A

2015 QIA AND NWB ANNUAL REPORT
ANNUAL INVENTORY AND STATUS OF HISTORICALLY PRODUCED INCINERATOR ASH

Category	Mine Site Barrels	Mine Site ~Volume m ³	Mine Site Status	Milne Port Barrels	Milne Port ~Volume m ³	Milne Port Status
Landfill	97	13.22	Landfilled	162	22.08	Landfilled
Unidentifiable	68	9.27	Off site disposal	15	2.04	Off site disposal
Reburnable	14	1.91	Off site disposal	68	9.27	Off site disposal
Hazardous	63	8.59	Off site disposal	104	14.17	Off site disposal
Contaminated Water	9	1.23	Off site disposal	18	2.45	Off site disposal
Total	251	34.20	N/A	367	50.01	N/A

2015 QIA AND NWB ANNUAL REPORT
ANNUAL EXCEEDANCES OF 2015 PRODUCED INCINERATOR ASH

Sample ID	Sample Date	Analyte	Minimum Detection Limit	Guideline	Result	Status
MP-ASH-61	2015-02-12	Cr	0.05 mg/L	5 mg/L	5.5 mg/L	Reburned
MP-ASH-COMP2	2015-07-29	Cr	0.05 mg/L	5 mg/L	1.28*4 mg/L	Reburned
MP-ASH-COMP4	2015-07-29	Cr	0.05 mg/L	5 mg/L	2.56*4 mg/L	Reburned
MS-ASH-65	2015-03-25	Cd	0.005 mg/L	0.05 mg/L	0.602 mg/L	Reburned
MS-ASH-73	2015-03-25	Cr	0.05 mg/L	5 mg/L	5.36 mg/L	Reburned

Note: TCLP residual analysis tests were performed by ALS Laboratories and compared to Process Residuals Discharge Minimum (GN, 2011) to determine if ash was Landfill compliant. 2015 produced incinerator ash volume: 85 Gal per barrel *0.8, historically produced incinerator ash volume: 45 Gal per barrel *0.8. Volumes converted to m³. Bin = 1.8 m³

BAFFINLAND IRON MINES CORPORATION
ATTN: Jim Millard
2275 Upper Middle Rd. E.
Suite #300
Oakville ON L6H 0C3

Date Received: 04-FEB-15
Report Date: 10-FEB-15 08:47 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1574236

Project P.O. #: 4500005452

Job Reference:

C of C Numbers:

Legal Site Desc:

Austin Paterson
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1574236-1 MS-ASH-055 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.40		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		6.79		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.40		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		<2.5		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		0.25		0.15	mg/L		09-FEB-15	R3145072
L1574236-2 MS-ASH-056 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.02		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		5.56		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.85		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		29.1		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		4.95		0.15	mg/L		09-FEB-15	R3145072
L1574236-3 MS-ASH-057 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.02		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		8.47		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1574236-3 MS-ASH-057 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Physical Tests								
% Moisture		0.51		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		4.7		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		<0.15		0.15	mg/L		09-FEB-15	R3145072
L1574236-4 MS-ASH-058 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		10.92		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		4.86		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.20		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		<2.5		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		0.0075		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		9.26		0.15	mg/L		09-FEB-15	R3145072
L1574236-5 MS-ASH-059 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.07		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		7.06		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.39		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		0.060		0.050	mg/L		09-FEB-15	R3145072

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1574236-5 MS-ASH-059 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
TCLP Metals								
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		4.3		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		0.679		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		<0.15		0.15	mg/L		09-FEB-15	R3145072
L1574236-6 MS-ASH-060 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.10		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		6.93		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.33		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		0.237		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		6.0		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		0.0059		0.0050	mg/L		09-FEB-15	R3145072
Chromium (Cr)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Lead (Pb)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Mercury (Hg)		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
Selenium (Se)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Silver (Ag)		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
Uranium (U)		<0.25		0.25	mg/L		09-FEB-15	R3145072
Zinc (Zn)-Total		<0.15		0.15	mg/L		09-FEB-15	R3145072
L1574236-7 MS-ASH-061 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL								
Sample Preparation								
Initial pH		10.76		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Final pH		4.96		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
Physical Tests								
% Moisture		0.16		0.10	%	06-FEB-15	07-FEB-15	R3144335
TCLP Metals								
Arsenic (As)		<0.050		0.050	mg/L		09-FEB-15	R3145072
Barium (Ba)		<0.50		0.50	mg/L		09-FEB-15	R3145072
Boron (B)		<2.5		2.5	mg/L		09-FEB-15	R3145072
Cadmium (Cd)		0.0103		0.0050	mg/L		09-FEB-15	R3145072

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1574236-7 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL TCLP Metals Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total	MS-ASH-061							
		0.328		0.050	mg/L		09-FEB-15	R3145072
		<0.050		0.050	mg/L		09-FEB-15	R3145072
		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
		<0.25		0.25	mg/L		09-FEB-15	R3145072
		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
		<0.25		0.25	mg/L		09-FEB-15	R3145072
		9.00		0.15	mg/L		09-FEB-15	R3145072
L1574236-8 Sampled By: NICK KUZYK on 04-FEB-15 @ 10:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total	MS-ASH-048							
		11.32		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
		8.38		0.10	pH units	08-FEB-15	08-FEB-15	R3145014
		0.37		0.10	%	06-FEB-15	07-FEB-15	R3144335
		<0.050		0.050	mg/L		09-FEB-15	R3145072
		<0.50		0.50	mg/L		09-FEB-15	R3145072
		4.3		2.5	mg/L		09-FEB-15	R3145072
		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
		0.416		0.050	mg/L		09-FEB-15	R3145072
		<0.050		0.050	mg/L		09-FEB-15	R3145072
		<0.00010		0.00010	mg/L	09-FEB-15	09-FEB-15	R3145084
		<0.25		0.25	mg/L		09-FEB-15	R3145072
		<0.0050		0.0050	mg/L		09-FEB-15	R3145072
		<0.25		0.25	mg/L		09-FEB-15	R3145072
		<0.15		0.15	mg/L		09-FEB-15	R3145072

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Zinc (Zn)-Total	MS-B	L1574236-1, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Cadmium (Cd)	MS-B	L1574236-1, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Lead (Pb)	MS-B	L1574236-1, -2, -3, -4, -5, -6, -7, -8

Sample Parameter Qualifier key listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-TCLP-WT	Waste	Mercury (CVAA) for O.Reg 347	SW846 7470A
LEACH-TCLP-WT	Waste	Leachate Procedure for Reg 347	EPA 1311
MET-TCLP-EXTRA-WT	Waste	O. Reg 347 Extra Metals on TCLP Leachate	EPA 200.8
MET-TCLP-WT	Waste	O.Reg 347 TCLP Leachable Metals	EPA 200.8
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L1574236

Report Date: 10-FEB-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT		Soil						
Batch	R3144335							
WG2037481-3	DUP	L1575183-39						
% Moisture		14.2	13.4		%	6.1	30	07-FEB-15
WG2037481-2	LCS							
% Moisture			92.6		%		70-130	07-FEB-15
WG2037481-1	MB							
% Moisture			<0.10		%		0.1	07-FEB-15
HG-TCLP-WT		Waste						
Batch	R3145084							
WG2038416-3	DUP	L1574236-1						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	09-FEB-15
WG2038416-2	LCS							
Mercury (Hg)			96.5		%		70-130	09-FEB-15
WG2038416-1	MB							
Mercury (Hg)			<0.00010		mg/L		0.0001	09-FEB-15
WG2038416-4	MS	L1575017-1						
Mercury (Hg)			90.3		%		70-130	09-FEB-15
MET-TCLP-EXTRA-WT		Waste						
Batch	R3145072							
WG2038358-6	CVS							
Zinc (Zn)-Total			94.9		%		70-130	09-FEB-15
WG2038358-4	DUP	WG2038358-3						
Zinc (Zn)-Total		331	332		mg/L	0.5	30	09-FEB-15
WG2038358-2	LCS							
Zinc (Zn)-Total			98.6		%		70-130	09-FEB-15
WG2038358-1	MB							
Zinc (Zn)-Total			<0.15		mg/L		0.15	09-FEB-15
WG2038358-5	MS	WG2038358-3						
Zinc (Zn)-Total			N/A	MS-B	%		-	09-FEB-15
MET-TCLP-WT		Waste						
Batch	R3145072							
WG2038358-6	CVS							
Silver (Ag)			99.0		%		70-130	09-FEB-15
Arsenic (As)			99.4		%		70-130	09-FEB-15
Boron (B)			94.4		%		70-130	09-FEB-15
Barium (Ba)			96.4		%		70-130	09-FEB-15
Cadmium (Cd)			98.5		%		70-130	09-FEB-15
Chromium (Cr)			98.7		%		70-130	09-FEB-15

Quality Control Report

Workorder: L1574236

Report Date: 10-FEB-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT		Waste						
Batch	R3145072							
WG2038358-6	CVS							
Lead (Pb)			98.6		%		70-130	09-FEB-15
Selenium (Se)			100.7		%		70-130	09-FEB-15
Uranium (U)			97.4		%		70-130	09-FEB-15
WG2038358-4	DUP	WG2038358-3						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	09-FEB-15
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	09-FEB-15
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	09-FEB-15
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	09-FEB-15
Cadmium (Cd)		0.619	0.608		mg/L	1.9	40	09-FEB-15
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	09-FEB-15
Lead (Pb)		48.2	46.8		mg/L	3.0	40	09-FEB-15
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	09-FEB-15
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	09-FEB-15
WG2038358-2	LCS							
Silver (Ag)			95.3		%		70-130	09-FEB-15
Arsenic (As)			99.2		%		70-130	09-FEB-15
Boron (B)			89.7		%		70-130	09-FEB-15
Barium (Ba)			97.3		%		70-130	09-FEB-15
Cadmium (Cd)			97.2		%		70-130	09-FEB-15
Chromium (Cr)			97.5		%		70-130	09-FEB-15
Lead (Pb)			96.3		%		70-130	09-FEB-15
Selenium (Se)			99.3		%		70-130	09-FEB-15
Uranium (U)			94.4		%		70-130	09-FEB-15
WG2038358-1	MB							
Silver (Ag)			<0.0050		mg/L		0.005	09-FEB-15
Arsenic (As)			<0.050		mg/L		0.05	09-FEB-15
Boron (B)			<2.5		mg/L		2.5	09-FEB-15
Barium (Ba)			<0.50		mg/L		0.5	09-FEB-15
Cadmium (Cd)			<0.0050		mg/L		0.005	09-FEB-15
Chromium (Cr)			<0.050		mg/L		0.05	09-FEB-15
Lead (Pb)			<0.050		mg/L		0.05	09-FEB-15
Selenium (Se)			<0.25		mg/L		0.25	09-FEB-15
Uranium (U)			<0.25		mg/L		0.25	09-FEB-15
WG2038358-5	MS	WG2038358-3						

Quality Control Report

Workorder: L1574236

Report Date: 10-FEB-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT	Waste							
Batch	R3145072							
WG2038358-5	MS	WG2038358-3						
Silver (Ag)			89.2		%		50-140	09-FEB-15
Arsenic (As)			98.4		%		50-140	09-FEB-15
Boron (B)			89.7		%		50-140	09-FEB-15
Barium (Ba)			99.6		%		50-140	09-FEB-15
Cadmium (Cd)			N/A	MS-B	%		-	09-FEB-15
Chromium (Cr)			95.5		%		50-140	09-FEB-15
Lead (Pb)			N/A	MS-B	%		-	09-FEB-15
Selenium (Se)			97.2		%		50-140	09-FEB-15
Uranium (U)			93.0		%		50-140	09-FEB-15

Quality Control Report

Workorder: L1574236

Report Date: 10-FEB-15

Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3
Contact: Jim Millard

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

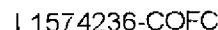
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



Canada Toll Free: 1 800 668 9878



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REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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100-443286-00 (continued) January 75

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

BAFFINLAND IRON MINES CORPORATION
ATTN: Jim Millard
2275 Upper Middle Rd. E.
Suite #300
Oakville ON L6H 0C3

Date Received: 12-MAR-15
Report Date: 20-MAR-15 08:04 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1587076
Project P.O. #: 4500007003
Job Reference: MINE SITE
C of C Numbers:
Legal Site Desc:

Austin Paterson
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1587076-1 MS-ASH-062 Sampled By: NICK KUZYK on 12-MAR-15 @ 15:00 Matrix: SOIL								
Sample Preparation								
Initial pH		11.53		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Final pH		6.50		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Physical Tests								
% Moisture		<0.10		0.10	%	16-MAR-15	17-MAR-15	R3160363
TCLP Metals								
Arsenic (As)		0.055		0.050	mg/L		18-MAR-15	R3160972
Barium (Ba)		<0.50		0.50	mg/L		18-MAR-15	R3160972
Boron (B)		4.6		2.5	mg/L		18-MAR-15	R3160972
Cadmium (Cd)		<0.0050		0.0050	mg/L		18-MAR-15	R3160972
Chromium (Cr)		<0.050		0.050	mg/L		18-MAR-15	R3160972
Lead (Pb)		<0.050		0.050	mg/L		18-MAR-15	R3160972
Mercury (Hg)		<0.00010		0.00010	mg/L	19-MAR-15	19-MAR-15	R3161771
Selenium (Se)		<0.25		0.25	mg/L		18-MAR-15	R3160972
Silver (Ag)		<0.0050		0.0050	mg/L		18-MAR-15	R3160972
Uranium (U)		<0.25		0.25	mg/L		18-MAR-15	R3160972
Zinc (Zn)-Total		1.68		0.15	mg/L		18-MAR-15	R3160972
L1587076-2 MS-ASH-063 Sampled By: NICK KUZYK on 12-MAR-15 @ 15:05 Matrix: SOIL								
Sample Preparation								
Initial pH		11.10		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Final pH		6.74		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Physical Tests								
% Moisture		0.16		0.10	%	16-MAR-15	17-MAR-15	R3160363
TCLP Metals								
Arsenic (As)		0.057		0.050	mg/L		18-MAR-15	R3160972
Barium (Ba)		<0.50		0.50	mg/L		18-MAR-15	R3160972
Boron (B)		4.3		2.5	mg/L		18-MAR-15	R3160972
Cadmium (Cd)		<0.0050		0.0050	mg/L		18-MAR-15	R3160972
Chromium (Cr)		<0.050		0.050	mg/L		18-MAR-15	R3160972
Lead (Pb)		<0.050		0.050	mg/L		18-MAR-15	R3160972
Mercury (Hg)		<0.00010		0.00010	mg/L	19-MAR-15	19-MAR-15	R3161771
Selenium (Se)		<0.25		0.25	mg/L		18-MAR-15	R3160972
Silver (Ag)		<0.0050		0.0050	mg/L		18-MAR-15	R3160972
Uranium (U)		<0.25		0.25	mg/L		18-MAR-15	R3160972
Zinc (Zn)-Total		0.29		0.15	mg/L		18-MAR-15	R3160972
L1587076-3 MS-ASH-064 Sampled By: NICK KUZYK on 12-MAR-15 @ 15:10 Matrix: SOIL								
Sample Preparation								
Initial pH		11.17		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Final pH		6.43		0.10	pH units	16-MAR-15	16-MAR-15	R3160448
Physical Tests								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1587076-3 Sampled By: NICK KUZYK on 12-MAR-15 @ 15:10 Matrix: SOIL Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total	MS-ASH-064							
		0.14		0.10	%	16-MAR-15	17-MAR-15	R3160363
		<0.050		0.050	mg/L		18-MAR-15	R3160972
		<0.50		0.50	mg/L		18-MAR-15	R3160972
		5.3		2.5	mg/L		18-MAR-15	R3160972
		0.0061		0.0050	mg/L		18-MAR-15	R3160972
		<0.050		0.050	mg/L		18-MAR-15	R3160972
		<0.050		0.050	mg/L		18-MAR-15	R3160972
		<0.00010		0.00010	mg/L	19-MAR-15	19-MAR-15	R3161771
		<0.25		0.25	mg/L		18-MAR-15	R3160972
		<0.0050		0.0050	mg/L		18-MAR-15	R3160972
		<0.25		0.25	mg/L		18-MAR-15	R3160972
		1.17		0.15	mg/L		18-MAR-15	R3160972

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-TCLP-WT	Waste	Mercury (CVAA) for O.Reg 347	SW846 7470A
LEACH-TCLP-WT	Waste	Leachate Procedure for Reg 347	EPA 1311
		Inorganic and Semi-Volatile Organic contaminants are leached from waste samples in strict accordance with US EPA Method 1311, "Toxicity Characteristic Leaching Procedure" (TCLP). Test results are reported in leachate concentration units (normally mg/L).	
MET-TCLP-EXTRA-WT	Waste	O. Reg 347 Extra Metals on TCLP Leachate	EPA 200.8
MET-TCLP-WT	Waste	O.Reg 347 TCLP Leachable Metals	EPA 200.8
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L1587076

Report Date: 20-MAR-15

Page 1 of 4

Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT		Soil						
Batch	R3160363							
WG2054892-3	DUP	L1587640-1						
% Moisture		21.9	21.0		%	3.9	30	17-MAR-15
WG2054892-2	LCS							
% Moisture			93.7		%		70-130	17-MAR-15
WG2054892-1	MB							
% Moisture			<0.10		%		0.1	17-MAR-15
HG-TCLP-WT		Waste						
Batch	R3161771							
WG2056186-3	DUP	L1587073-1						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	19-MAR-15
WG2056186-2	LCS							
Mercury (Hg)			106.0		%		70-130	19-MAR-15
WG2056186-1	MB							
Mercury (Hg)			<0.00010		mg/L		0.0001	19-MAR-15
WG2056186-4	MS	L1587073-1						
Mercury (Hg)			110.0		%		70-130	19-MAR-15
MET-TCLP-EXTRA-WT		Waste						
Batch	R3160972							
WG2055868-6	CVS							
Zinc (Zn)-Total			88.6		%		70-130	18-MAR-15
WG2055868-4	DUP	WG2055868-3						
Zinc (Zn)-Total		<0.15	<0.15	RPD-NA	mg/L	N/A	30	18-MAR-15
WG2055868-2	LCS							
Zinc (Zn)-Total			98.6		%		70-130	18-MAR-15
WG2055868-1	MB							
Zinc (Zn)-Total			<0.15		mg/L		0.15	18-MAR-15
WG2055868-5	MS	WG2055868-3						
Zinc (Zn)-Total			92.1		%		70-130	18-MAR-15
MET-TCLP-WT		Waste						
Batch	R3160972							
WG2055868-6	CVS							
Silver (Ag)			101.2		%		70-130	18-MAR-15
Arsenic (As)			92.7		%		70-130	18-MAR-15
Boron (B)			97.3		%		70-130	18-MAR-15
Barium (Ba)			93.9		%		70-130	18-MAR-15
Cadmium (Cd)			92.2		%		70-130	18-MAR-15
Chromium (Cr)			91.6		%		70-130	18-MAR-15

Quality Control Report

Workorder: L1587076

Report Date: 20-MAR-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT		Waste						
Batch	R3160972							
WG2055868-6	CVS							
Lead (Pb)			99.4		%		70-130	18-MAR-15
Selenium (Se)			98.4		%		70-130	18-MAR-15
Uranium (U)			98.1		%		70-130	18-MAR-15
WG2055868-4	DUP	WG2055868-3						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	18-MAR-15
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	18-MAR-15
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	18-MAR-15
Barium (Ba)		0.79	0.80		mg/L	0.6	40	18-MAR-15
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	18-MAR-15
Chromium (Cr)		0.060	0.060		mg/L	0.3	40	18-MAR-15
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	18-MAR-15
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	18-MAR-15
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	18-MAR-15
WG2055868-2	LCS							
Silver (Ag)			99.7		%		70-130	18-MAR-15
Arsenic (As)			97.1		%		70-130	18-MAR-15
Boron (B)			97.3		%		70-130	18-MAR-15
Barium (Ba)			95.5		%		70-130	18-MAR-15
Cadmium (Cd)			96.5		%		70-130	18-MAR-15
Chromium (Cr)			96.7		%		70-130	18-MAR-15
Lead (Pb)			96.1		%		70-130	18-MAR-15
Selenium (Se)			99.9		%		70-130	18-MAR-15
Uranium (U)			93.7		%		70-130	18-MAR-15
WG2055868-1	MB							
Silver (Ag)			<0.0050		mg/L		0.005	18-MAR-15
Arsenic (As)			<0.050		mg/L		0.05	18-MAR-15
Boron (B)			<2.5		mg/L		2.5	18-MAR-15
Barium (Ba)			<0.50		mg/L		0.5	18-MAR-15
Cadmium (Cd)			<0.0050		mg/L		0.005	18-MAR-15
Chromium (Cr)			<0.050		mg/L		0.05	18-MAR-15
Lead (Pb)			<0.050		mg/L		0.05	18-MAR-15
Selenium (Se)			<0.25		mg/L		0.25	18-MAR-15
Uranium (U)			<0.25		mg/L		0.25	18-MAR-15
WG2055868-5	MS	WG2055868-3						

Quality Control Report

Workorder: L1587076

Report Date: 20-MAR-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT		Waste						
Batch	R3160972							
WG2055868-5	MS	WG2055868-3						
Silver (Ag)			88.7		%		50-140	18-MAR-15
Arsenic (As)			95.5		%		50-140	18-MAR-15
Boron (B)			95.3		%		50-140	18-MAR-15
Barium (Ba)			91.8		%		50-140	18-MAR-15
Cadmium (Cd)			94.7		%		50-140	18-MAR-15
Chromium (Cr)			93.9		%		50-140	18-MAR-15
Lead (Pb)			90.6		%		50-140	18-MAR-15
Selenium (Se)			99.1		%		50-140	18-MAR-15
Uranium (U)			91.4		%		50-140	18-MAR-15

Quality Control Report

Workorder: L1587076

Report Date: 20-MAR-15

Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3
Contact: Jim Millard

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

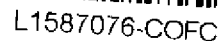
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



Canada Toll Free: 1 800 668 9878

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NA-FM-0328a, Vol. 1, Form 1, January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW CQC form**.

BAFFINLAND IRON MINES CORPORATION
ATTN: Jim Millard
2275 Upper Middle Rd. E.
Suite #300
Oakville ON L6H 0C3

Date Received: 26-MAR-15
Report Date: 31-MAR-15 14:03 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1591769
Project P.O. #: 4500007003
Job Reference: MINE SITE
C of C Numbers:
Legal Site Desc:

Comments: ADDITIONAL 31-MAR-15 09:35

Austin Paterson
Account Manager

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ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-1 MS-ASH-065 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		11.22		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		6.34		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		<0.10		0.10	%	28-MAR-15	29-MAR-15	R3166384
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		4.5		2.5	mg/L		30-MAR-15	R3166575
		0.602		0.0050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		4.88		0.15	mg/L		30-MAR-15	R3166575
L1591769-2 MS-ASH-066 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		11.34		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		5.38		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		1.05		0.10	%	28-MAR-15	29-MAR-15	R3166384
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		3.9		2.5	mg/L		30-MAR-15	R3166575
		0.0222		0.0050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		6.20		0.15	mg/L		30-MAR-15	R3166575
L1591769-3 MS-ASH-067 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests								
		10.07		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		5.37		0.10	pH units	27-MAR-15	27-MAR-15	R3166323

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-3 MS-ASH-067 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		15.1		0.10	%	28-MAR-15	29-MAR-15	R3166384
		0.078		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		5.0		2.5	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		0.111		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		5.51		0.15	mg/L		30-MAR-15	R3166575
L1591769-4 MS-ASH-068 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		11.54		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		8.40		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		0.50		0.10	%	28-MAR-15	29-MAR-15	R3166384
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		2.8		2.5	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.15		0.15	mg/L		30-MAR-15	R3166575
L1591769-5 MS-ASH-069 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As)								
		10.53		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		5.19		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		25.4		0.10	%	28-MAR-15	29-MAR-15	R3166384
		<0.050		0.050	mg/L		30-MAR-15	R3166575

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-5 MS-ASH-069 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL TCLP Metals	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	<2.5		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	5.78		0.15	mg/L		30-MAR-15	R3166575
L1591769-6 MS-ASH-070 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation	Initial pH	11.43		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	6.28		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	0.84		0.10	%	28-MAR-15	29-MAR-15	R3166384
	TCLP Metals							
	Arsenic (As)	0.069		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	6.1		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	2.38		0.15	mg/L		30-MAR-15	R3166575
L1591769-7 MS-ASH-071 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation	Initial pH	11.27		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	8.52		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	0.78		0.10	%	28-MAR-15	29-MAR-15	R3166384
	TCLP Metals							
	Arsenic (As)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	4.5		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-7 MS-ASH-071 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL TCLP Metals Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		0.102		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.15		0.15	mg/L		30-MAR-15	R3166575
L1591769-8 MS-ASH-072 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg) Selenium (Se) Silver (Ag) Uranium (U) Zinc (Zn)-Total								
		10.36		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		5.48		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		6.48		0.10	%	28-MAR-15	29-MAR-15	R3166384
		0.051		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		2.9		2.5	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		<0.0050		0.0050	mg/L		30-MAR-15	R3166575
		<0.25		0.25	mg/L		30-MAR-15	R3166575
		5.99		0.15	mg/L		30-MAR-15	R3166575
L1591769-9 MS-ASH-073 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation Initial pH Final pH Physical Tests % Moisture TCLP Metals Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg)								
		11.16		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		5.83		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
		<0.10		0.10	%	28-MAR-15	29-MAR-15	R3166384
		0.079		0.050	mg/L		30-MAR-15	R3166575
		<0.50		0.50	mg/L		30-MAR-15	R3166575
		3.9		2.5	mg/L		30-MAR-15	R3166575
		0.0068		0.0050	mg/L		30-MAR-15	R3166575
		5.36		0.050	mg/L		30-MAR-15	R3166575
		<0.050		0.050	mg/L		30-MAR-15	R3166575
		<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-9 MS-ASH-073 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL TCLP Metals								
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	5.21		0.15	mg/L		30-MAR-15	R3166575
L1591769-10 MS-ASH-074 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation								
	Initial pH	11.21		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	6.40		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	0.49		0.10	%	28-MAR-15	29-MAR-15	R3166384
	TCLP Metals							
	Arsenic (As)	0.057		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	4.3		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	0.41		0.15	mg/L		30-MAR-15	R3166575
L1591769-11 MS-ASH-075 Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00 Matrix: SOIL Sample Preparation								
	Initial pH	10.72		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	6.72		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	<0.10		0.10	%	28-MAR-15	29-MAR-15	R3166384
	TCLP Metals							
	Arsenic (As)	0.056		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	4.5		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	0.0054		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1591769-11	MS-ASH-075							
	Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00							
Matrix: SOIL								
TCLP Metals								
Zinc (Zn)-Total		0.40		0.15	mg/L		30-MAR-15	R3166575
L1591769-12	MS-ASH-076							
	Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00							
	Matrix: SOIL							
	Sample Preparation							
	Initial pH	10.67		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	5.97		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	1.21		0.10	%	27-MAR-15	28-MAR-15	R3166037
	TCLP Metals							
	Arsenic (As)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	3.3		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	0.0062		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	7.30		0.15	mg/L		30-MAR-15	R3166575
L1591769-13	MS-ASH-077							
	Sampled By: BILL BOWDEN on 25-MAR-15 @ 17:00							
	Matrix: SOIL							
	Sample Preparation							
	Initial pH	11.72		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Final pH	6.47		0.10	pH units	27-MAR-15	27-MAR-15	R3166323
	Physical Tests							
	% Moisture	0.76		0.10	%	28-MAR-15	29-MAR-15	R3166384
	TCLP Metals							
	Arsenic (As)	0.106		0.050	mg/L		30-MAR-15	R3166575
	Barium (Ba)	<0.50		0.50	mg/L		30-MAR-15	R3166575
	Boron (B)	4.3		2.5	mg/L		30-MAR-15	R3166575
	Cadmium (Cd)	0.0089		0.0050	mg/L		30-MAR-15	R3166575
	Chromium (Cr)	0.480		0.050	mg/L		30-MAR-15	R3166575
	Lead (Pb)	<0.050		0.050	mg/L		30-MAR-15	R3166575
	Mercury (Hg)	<0.00010		0.00010	mg/L	30-MAR-15	30-MAR-15	R3166635
	Selenium (Se)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Silver (Ag)	<0.0050		0.0050	mg/L		30-MAR-15	R3166575
	Uranium (U)	<0.25		0.25	mg/L		30-MAR-15	R3166575
	Zinc (Zn)-Total	0.84		0.15	mg/L		30-MAR-15	R3166575

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Cadmium (Cd)	MS-B	L1591769-1, -10, -11, -12, -13, -2, -3, -4, -5, -6, -7, -8, -9

Sample Parameter Qualifier key listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-TCLP-WT	Waste	Mercury (CVAA) for O.Reg 347	SW846 7470A
LEACH-TCLP-WT	Waste	Leachate Procedure for Reg 347	EPA 1311
Inorganic and Semi-Volatile Organic contaminants are leached from waste samples in strict accordance with US EPA Method 1311, "Toxicity Characteristic Leaching Procedure" (TCLP). Test results are reported in leachate concentration units (normally mg/L).			
MET-TCLP-EXTRA-WT	Waste	O. Reg 347 Extra Metals on TCLP Leachate	EPA 200.8
MET-TCLP-WT	Waste	O.Reg 347 TCLP Leachable Metals	EPA 200.8
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid weight of sample

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L1591769

Report Date: 31-MAR-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT		Soil						
Batch	R3166037							
WG2061010-3	DUP	L1591802-1						
% Moisture		12.8	16.2		%	24	30	28-MAR-15
WG2061010-2	LCS							
% Moisture			100.2		%		70-130	28-MAR-15
WG2061010-1	MB							
% Moisture			<0.10		%		0.1	28-MAR-15
Batch	R3166384							
WG2061578-6	DUP	L1592312-5						
% Moisture		14.2	15.1		%	6.3	30	29-MAR-15
WG2061578-5	LCS							
% Moisture			97.4		%		70-130	29-MAR-15
WG2061578-4	MB							
% Moisture			<0.10		%		0.1	29-MAR-15
HG-TCLP-WT		Waste						
Batch	R3166635							
WG2062001-3	DUP	L1592634-1						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	30-MAR-15
WG2062001-2	LCS							
Mercury (Hg)			101.0		%		70-130	30-MAR-15
WG2062001-1	MB							
Mercury (Hg)			<0.00010		mg/L		0.0001	30-MAR-15
WG2062001-4	MS	L1591769-1						
Mercury (Hg)			121.0		%		70-130	30-MAR-15
MET-TCLP-EXTRA-WT		Waste						
Batch	R3166575							
WG2061897-6	CVS							
Zinc (Zn)-Total			95.2		%		70-130	30-MAR-15
WG2061897-4	DUP	WG2061897-3						
Zinc (Zn)-Total		4.88	5.12		mg/L	4.7	30	30-MAR-15
WG2061897-2	LCS							
Zinc (Zn)-Total			102.4		%		70-130	30-MAR-15
WG2061897-1	MB							
Zinc (Zn)-Total			<0.15		mg/L		0.15	30-MAR-15
WG2061897-5	MS	WG2061897-3						
Zinc (Zn)-Total			95.4		%		70-130	30-MAR-15
MET-TCLP-WT		Waste						

Quality Control Report

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT		Waste						
Batch	R3166575							
WG2061897-6	CVS							
Silver (Ag)			103.9		%		70-130	30-MAR-15
Arsenic (As)			98.4		%		70-130	30-MAR-15
Boron (B)			104.4		%		70-130	30-MAR-15
Barium (Ba)			100.3		%		70-130	30-MAR-15
Cadmium (Cd)			100.1		%		70-130	30-MAR-15
Chromium (Cr)			98.6		%		70-130	30-MAR-15
Lead (Pb)			100.4		%		70-130	30-MAR-15
Selenium (Se)			97.6		%		70-130	30-MAR-15
Uranium (U)			100.6		%		70-130	30-MAR-15
WG2061897-4	DUP	WG2061897-3						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	30-MAR-15
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	30-MAR-15
Boron (B)		4.5	4.6		mg/L	1.7	40	30-MAR-15
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	30-MAR-15
Cadmium (Cd)		0.602	0.620		mg/L	3.0	40	30-MAR-15
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	30-MAR-15
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	30-MAR-15
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	30-MAR-15
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	30-MAR-15
WG2061897-2	LCS							
Silver (Ag)			98.9		%		70-130	30-MAR-15
Arsenic (As)			94.7		%		70-130	30-MAR-15
Boron (B)			98.9		%		70-130	30-MAR-15
Barium (Ba)			95.8		%		70-130	30-MAR-15
Cadmium (Cd)			95.8		%		70-130	30-MAR-15
Chromium (Cr)			94.3		%		70-130	30-MAR-15
Lead (Pb)			98.6		%		70-130	30-MAR-15
Selenium (Se)			94.3		%		70-130	30-MAR-15
Uranium (U)			96.6		%		70-130	30-MAR-15
WG2061897-1	MB							
Silver (Ag)			<0.0050		mg/L		0.005	30-MAR-15
Arsenic (As)			<0.050		mg/L		0.05	30-MAR-15
Boron (B)			<2.5		mg/L		2.5	30-MAR-15
Barium (Ba)			<0.50		mg/L		0.5	30-MAR-15

Quality Control Report

Workorder: L1591769

Report Date: 31-MAR-15

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Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3

Contact: Jim Millard

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-TCLP-WT		Waste						
Batch	R3166575							
WG2061897-1	MB							
Cadmium (Cd)			<0.0050		mg/L		0.005	30-MAR-15
Chromium (Cr)			<0.050		mg/L		0.05	30-MAR-15
Lead (Pb)			<0.050		mg/L		0.05	30-MAR-15
Selenium (Se)			<0.25		mg/L		0.25	30-MAR-15
Uranium (U)			<0.25		mg/L		0.25	30-MAR-15
WG2061897-5	MS	WG2061897-3						
Silver (Ag)			93.4		%		50-140	30-MAR-15
Arsenic (As)			99.8		%		50-140	30-MAR-15
Boron (B)			97.8		%		50-140	30-MAR-15
Barium (Ba)			98.4		%		50-140	30-MAR-15
Cadmium (Cd)			N/A	MS-B	%		-	30-MAR-15
Chromium (Cr)			97.4		%		50-140	30-MAR-15
Lead (Pb)			95.5		%		50-140	30-MAR-15
Selenium (Se)			99.0		%		50-140	30-MAR-15
Uranium (U)			97.9		%		50-140	30-MAR-15

Quality Control Report

Workorder: L1591769

Report Date: 31-MAR-15

Client: BAFFINLAND IRON MINES CORPORATION
2275 Upper Middle Rd. E. Suite #300
Oakville ON L6H 0C3
Contact: Jim Millard

Page 4 of 4

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS Environmental

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Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L1591769-COFC

COC Number: 14 -

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Report To		Report Format / Distribution				Analysis Request											
Company: Baffinland Iron Mines Corp. - ALS ENV Account 23842		Select Report Format: ☒ PDF ☒ EXCEL ☒ EDD (DIGITAL)				R ☒ Rush (Rush Turnaround Time (TAT) is not available for all tests) P ☐ Priority (2-4 bus. days if received by 3pm) 30% surcharge - contact ALS to confirm TAT E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge											
Contact: Jim Millard, Trevor Myers, Allan Knight		Quality Control (QC) Report with Report ☒ Yes ☐ No															
Address: 2275 Upper Middle Rd. E., Suite #300		Criteria on Report - provide details below if box checked															
Oakville, ON, L6H 0C3		Select Distribution: ☐ EMAIL ☐ MAIL ☐ FAX															
Phone: 647-253-0596 EXT 6010		Email 1 or Fax bimcoore@alsglobal.com				Specify Date Required for E2, E or P:											
		Email 2															
Invoice To		Invoice Distribution															
Same as Report To ☒ Yes ☐ No		Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX															
Copy of Invoice with Report ☐ Yes ☒ No		Email 1 or Fax ap@baffinland.com															
Company:		Email 2															
Project Information		Oil and Gas Required Fields (client use)															
ALS Quote #: Q42455		Approver ID:															
Job #: MINE SITE		Cost Center:															
PO / AFE: 4500007003		GL Account:															
LSD:		Routing Code:															
ALS Lab Work Order # (lab use only)		Location:															
L1591769 A		ALS Contact: Wayne Smith															
		Sampler: Bill Bowden															
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (FP) below								Number of Containers			
MS-ASH-065		25-Mar-15	17:00	Soil	R										2		
MS-ASH-066		25-Mar-15	17:00	Soil	R										2		
MS-ASH-067		25-Mar-15	17:00	Soil	R										2		
MS-ASH-068		25-Mar-15	17:00	Soil	R										2		
MS-ASH-069		25-Mar-15	17:00	Soil	R										2		
MS-ASH-070		25-Mar-15	17:00	Soil	R										2		
MS-ASH-071		25-Mar-15	17:00	Soil	R										2		
MS-ASH-072		25-Mar-15	17:00	Soil	R										2		
MS-ASH-073		25-Mar-15	17:00	Soil	R										2		
MS-ASH-074		25-Mar-15	17:00	Soil	R										2		
MS-ASH-075		25-Mar-15	17:00	Soil	R										2		
MS-ASH-076		25-Mar-15	17:00	Soil	R										2		
Drinking Water (DW) Samples¹ (client use)		Special Instructions / Specify Criteria to add on report (client use)				SAMPLE CONDITION AS RECEIVED (lab use only)											
Are samples taken from a Regulated DW System?		Site Specific Criteria - Account Manager to update as required.				Frozen ☐ SIF Observations Yes ☐ No ☐ Ice packs Yes ☒ No ☐ Custody seal intact Yes ☐ No ☐ Cooling Initiated ☐											
Are samples for human drinking water use?						INITIAL COOLER TEMPERATURES °C FINAL COOLER TEMPERATURES °C 10.3											
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)											
Released by: Bill Bowden		Received by:				Received by: [Signature]											
Date: 2016-03-28		Date:				Date: 27 Mar 16											
Time: 8:00		Time:				Time: 9:00											

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY

YELLOW - CLIENT COPY

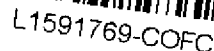
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.
 1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ALS-PH-002 Rev 003 Rev004 January 2014



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gived by 3 pm - business days)

[illegible]

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW CQC form.

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BAFFINLAND IRON MINES CORPORATION

ATTN: Jim Millard

2275 Upper Middle Rd. E.

Suite #300

Oakville ON L6H 0C3

Date Received: 06-MAY-15

Report Date: 14-MAY-15 09:57 (MT)

Version: FINAL REV. 2

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1607692

Project P.O. #: 4500007003

Job Reference: MINE SITE

C of C Numbers:

Legal Site Desc:

Austin Paterson
Account Manager

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