APPENDIX E

OTHER SUPPORTING DOCUMENTS

APPENDIX E.1

WASTE MANAGEMENT PROGRAM 2014

SUMMARY 2014

WASTE MANAGEMENT PROGRAM
BAFFINLAND IRON MINES CORPORATION

Privileged and confidential document presented to

Mr. Jim Millard
Environmental Manager
Baffinland Iron Mines Corporation

FINAL REPORT

January 2015

O/Ref.: RQ14-111-2

SUMMARY 2014

WASTE MANAGEMENT PROGRAM
BAFFINLAND IRON MINES CORPORATION

Privileged and confidential document presented to

BAFFINLAND IRON MINES CORPORATION

Prepared and verified by:

Benoit Dion, B.Sc., M.Env
Project Director

Qikiqtaaluk environmental

FINAL REPORT

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1. INTRODUCTION

Baffinland Iron Mines Corporation (Baffinland) is committed to remediating areas impacted by current exploration and production activities at their sites on Baffin Island. In order to comply with this objective, Qikiqtaaluk Environmental (QE) was mandated to provide on-site repackaging and off-site disposal of hazardous waste from Mary River and Milne Inlet for the 2014 season. From July 10th to 20th and from September 4th to 11th, QE provided Environmental Quality Assurance Specialists to ensure that the on-site repackaging, identification, labelling, and documentation of hazardous wastes for off-site shipment met regulatory requirements. The work was completed at 2 locations: Mary River and Milne Inlet. Photographs of the on-site waste staging are provided in Appendix A.

Table 1 (page 3) presents the type of materials removed from the sites and their approximate volumes.

2. TRANSPORT AND DISOPOSAL FACILITY

Haz Waste from the Baffinland Iron Mines sites were shipped *via* sea-lift 3 different sealifts.

Vessel no. 2: Departure from Milne Inlet (August 18th), arrival at Valleyfield (August 28th)
Vessel no. 3: Departure from Milne Inlet (September 10th), arrival at Valleyfield (September 21st)
Vessel no.4: Departure from Milne Inlet (October 2nd), arrival at Valleyfield (October 21st)

Hazardous material from the 3 vessels was managed at the Port by QE on behalf of Baffinland and then transported to authorized disposal facilities.

Waste materials were transported to Solva-Rec Environnement registered disposal facilities located in St-Jean-Sur-Richelieu, Quebec (see Appendix B for the Environmental Compliance documentation).

3. DISPOSAL FACILITIES: CONTACT INFORMATION

1. **Solva-Rec Environnement Inc.**
   795, Lucien-Beaudin
   Saint-Jean-sur-Richelieu, Quebec J2X 5M3
   Tel.: (450) 347-3008
   Fax: (450) 347-1270

TABLE 1: Inventory of wastes removed from Mary River and Milne Inlet in 2014

Description of waste	Transportation of dangerous goods	Packaging	Quantity	Approximate volume (m^3)
Waste Oil	Not TDG regulated	Drum	41	8.41
Waste Oil	Not TDG regulated	Salvage drum	9	3.24
Waste Oil	Not TDG regulated	Drum	37	7.56
Contaminated Oily Solids	Not TDG regulated	Salvage drum	33	11.88
Contaminated Oily Solids	Not TDG regulated	Quatrex	116	88.16
OWS Waste Activated Carbon	Not TDG regulated	Quatrex	5	3.8
Kitchen Grease	Not TDG regulated	drum	13	2.67
Kitchen Grease	Not TDG regulated	Salvage drum	1	0.36
Kitchen Grease	Not TDG regulated	Quatrex	28	21.28
Waste Flammable Liquid	Flammable liquid, Class 3	drum	2	0.41
Oil Filters	Not TDG regulated	drum	19	3.89
Oil Filters	Not TDG regulated	Salvage drum	4	1.44
Oil Filters	Not TDG regulated	Quatrex	1	0.76
Waste Batteries	Corrosive substance, Class 8	Quatrex	18	13.68
Waste Batteries, pottassium	Corrosive substance, Class 8	Quatrex	15	11.4
Water and Glycol	Not TDG regulated	drum	5	1.03
Water and Glycol	Not TDG regulated	Salvage drum	3	1.08
Electrical Waste	Not TDG regulated	Quatrex	3	2.28
Aerosols, Flammable N.O.S.	Flammable gas, Class 2.1	Salvage drum	3	1.08
Aerosols, Flammable N.O.S.	Flammable gas, Class 2.1	Quatrex	4	3.04
HC contaminated water	Not TDG regulated	drum	54	11.07
HC contaminated water	Not TDG regulated	Salvage drum	14	5.04
HC contaminated water	Not TDG regulated	Tote	32	32
Gasoline	Flammable liquid, Class 3	drum	64	13,12
Waste fuel	Flammable liquid, Class 3	drum	2	0.41
Waste fuel	Flammable liquid, Class 3	Salvage drum	7	2.52
Waste fuel	Flammable liquid, Class 3	Tote	9	9

Amonium Nitrate	Oxidizers, class 5.1	Quatrex	1	0.76
Lab Pack (miscellaneous)	Not TDG regulated	drum	4	0.82
Lab Pack (paint)	Flammable liquid, Class 3	Quatrex	9	6.84
Ash burning	Not TDG regulated	Salvage drum	11	2.26
Ash burning	Not TDG regulated	Quatrex	11	8.36
Organic liquid	Not TDG regulated	drum	2	0.41
Contaminated soil	Not TDG regulated	Quatrex	16	12.16
Toxic cylinders	Toxic gas, class 2.3	Cylinder	40	1.5
Inorganic, solid	Not TDG regulated	Quatrex	2	0.52

1. Assuming the volume of a Quatrex bag at 0.765 m^3
2. Assuming the volume of a drum at 0.205 m^3
3. Assuming the volume of a salvage drum at 0.360 m^3
4. Assuming that most of the containers were full

APPENDIX A

PHOTOGRAPHIC REPORT

Photo 1

Inventory of hazardous waste in berm (Mary River).

Photo 2

Various hazardous waste packaged inside the berm (Milne Inlet).

Photo 3

Removal of oversized drums from a berm (Milne Inlet).

Photo 4

Various hazardous waste in preparation for off-site shipment (Milne Inlet).

Photo 5

Handling of an oversize drum with small forklift (Milne Inlet).

Photo 6

Various hazardous waste in preparation for off-site shipment (Milne Inlet).

Photo 7

Tote tanks of used oil (Port of Valleyfield).

Photo 8

Containers of used oil and drums (Port of Valleyfield).

Photo 9

Wranglers of hydrocarbon contaminated solids (Port of Valleyfield).

Photo 10

Marine containers of hazardous waste.

Photo 11

Container of kitchen residue and garbage (Port of Valleyfield).

Photo 12

Removal of garbage from a container (Port of Valleyfield).

APPENDIX B

PERMITS & CERTIFICATES OF AUTHORIZATION

Ministère du
Développement durable,
de l'Environnement
et des Parcs
Québec

Longueuil, le 8 septembre 2009

PERMIS

Solva-Rec Environnement inc.
420, boulevard Industriel
Saint-Jean-sur-Richelieu (Québec) J3B 4S6

N/Réf. : 7610-16-01-1060901
400631521

Objet : Exploitation d'un centre de gestion de matières dangereuses résiduelles

Mesdames,
Messieurs,

À la suite de votre demande de permis datée et reçue le 23 mars 2009, complétée le 1er septembre 2009, je délivre au titulaire ci-dessus mentionné, conformément à l'article 70.11 de la *Loi sur la qualité de l'environnement* (L.R.Q., chapitre Q-2), le présent permis d'exploitation à l'égard des activités ci-dessous :

- Entreposage d'une quantité maximale de 714 300 kg de matières dangereuses résiduelles appartenant aux catégories mentionnées à l'annexe 4 du *Règlement sur les matières dangereuses* à l'exception des matières explosives ou radioactives;
- Neutralisation d'isocyanates;
- Neutralisation d'acides et de bases;
- Broyage de néons et de contenants de matières dangereuses résiduelles;
- Vidange de contenants aérosols;
- Nettoyage de contenants et de pièces contaminées;
- Consolidation de matières dangereuses résiduelles semi-liquides.

Ces activités seront réalisées sur les lots 239 et 241 du cadastre de la paroisse de Saint-Athanase et dont l'adresse civique est le 795 rue Lucien-Beaudin à Saint-Jean-sur-Richelieu dans la municipalité régionale de comté du Haut-Richelieu.

Les documents suivants font partie intégrante du présent permis d'exploitation :

- Lettre au ministère du Développement durable, de l'Environnement et des Parcs, datée du 23 mars 2009, signée par Hughes Lamer, concernant la demande de permis d'exploitation, 16 pages et 5 annexes;

- Lettre au ministère du Développement durable, de l'Environnement et des Parcs, datée du 25 juin 2009, signée par Hughes Lamer concernant la demande de permis d'exploitation, 16 pages et 1 annexe;

- Courriels datés des 28 août, 31 août et 1er septembre 2009, envoyés par Hughes Lamer et concernant des informations additionnelles relativement à de la demande de permis.

En cas de divergence entre ces documents, l'information contenue au document le plus récent prévaudra.

Le projet devra être exploité conformément à cette demande de permis d'exploitation et à ces documents.

Ce permis d'exploitation est valide pour une durée de cinq ans à compter du 1er octobre 2009.

En outre, ce permis d'exploitation ne vous dispense pas d'obtenir toute autre autorisation requise par toute loi ou tout règlement, le cas échéant.

Pour la ministre,

PP/JL/jl

Pierre Paquin
Directeur régional
de l'analyse et de l'expertise
de l'Estrie et de la Montérégie

ANNEXE 4

(a. 11, 104, 106, 110, 113, 118, 119, 131, 132, 135, 136 et 137)

CATÉGORIES ET IDENTIFICATION DES MATIÈRES DANGEREUSES

SECTION 1

CATÉGORIES DE MATIÈRES DANGEREUSES

Code	Catégorie
	Huiles et graisses minérales ou synthétiques
A01	Huiles usées dont la concentration en BPC est ≤ 3 mg/kg
A02	Huiles usées dont la concentration en BPC est > 3 mg/kg et ≤ 50 mg/kg
A03	Eaux huileuses / émulsions
A04	Graisses usées
	Solides et boues organiques
B01	Résidus de distillation, de raffinage ou de pyrolyse de composés organiques halogénés
B02	Résidus de distillation, de raffinage ou de pyrolyse de composés organiques non halogénés
B03	Boues de sédimentation ou de décantation d'hydrocarbures
B04	Résidus de produits pétroliers et d'hydrocarbures
B05	Solides ou boues organiques générés par le traitement des eaux de procédé ou des eaux usées

B06	Boue de décantation de l'industrie de la préservation du bois et produits hors d'usage
B07	Boues et résidus de préparation pharmaceutique et produits hors d'usage
B08	Boues et résidus solides de la production de pesticides et produits hors d'usage (> 200 kg ou 200 L)
B09	Boues et résidus de la formulation et de l'utilisation d'encre, de peinture, de colorants, de laques et vernis
B10	Boues des opérations de cokéfaction
B11	Boues et résidus de la formulation et de l'utilisation de résidus, latex plastifiants, colles, adhésifs et polymères
B12	Boues et résidus des opérations de décarburation et décalaminage
B13	Autres boues et solides organiques non spécifiés autrement (précisez)
	Solvants organiques
C01	Solvants organiques halogénés (halogènes organiques totaux > 0,15%)
C02	Solvants organiques non halogénés (halogènes organiques totaux ≤ 0,15%)
C03	CFC utilisé comme solvant et nettoyeur
	Solutions organiques
D01	Antigels, fluides de frein et hydraulique
D02	Autres solutions organiques (précisez)
	Solides et boues inorganiques
E01	Boues des opérations de traitement et revêtement de surface non spécifié autrement
E02	Catalyseurs usés
E03	Boues et résidus contenant des métaux
E04	Poussières métalliques
E05	Sels métalliques de trempages ou non
E06	Sels non métalliques de trempage ou non
E07	Anodes et cathodes usés

E08	Cendres
E09	Laitiers, écumes, écailles, gâteaux provenant de la production primaire des métaux
E10	Scories
E11	Sables de fonderie
E12	Filtres et matières filtrantes
E13	Solides, poussières ou boues générés par les systèmes d'épuration d'air
E14	Solides ou boues inorganiques générés par les systèmes d'épuration des eaux de procédé ou des eaux usées
E15	Batteries au plomb
E16	Batteries et autres accumulateurs
E17	Boues et résidus de la production, la formulation et l'utilisation de pigments inorganiques
E18	Boues de fluorure de calcium
E19	Sable de décapage usé
E20	Gypse issu de procédés industriels
E21	Verres activés (tubes cathodiques et autres)
E22	Autres boues et solides inorganiques non spécifiés autrement (précisez)
	Solutions aqueuses inorganiques
F01	Solutions usées de traitement et de revêtement de surface non spécifiées autrement
F02	Solutions et saumures contenant des cyanures, des sulfures, des nitrures
F03	Autres solutions inorganiques et saumures aqueuses (précisez)
	Matières dangereuses acides (pH < 2)
G01	Liquides ou boues acides organiques
G02	Liquides ou boues acides inorganiques
G03	Autres matières acides (précisez)

	Matières dangereuses caustiques (pH > 12,5)
H01	Liquides ou boues alcalines inorganiques
H02	Liquides ou boues alcalines organiques
H03	Autes matières alcalines (précisez)
	Matières et objets contenant des BPC ou contaminés par des BPC
J01	Liquides contenant des BPC à une concentration comprise entre 50 mg/kg et 10 000 mg/kg (1%)
J02	Liquides contenant des BPC à une concentration supérieure ou égale à 10 000 mg/kg (1%)
J03	Solides contenant des BPC à une concentration comprise entre 50 mg/kg et 10 000 mg/kg (1%)
J04	Solides contenant des BPC à une concentration supérieure ou égale à 10 000 mg/kg (1%)
J05	Substances contenant des BPC à une concentration comprise entre 50 mg/kg et 10 000 mg/kg (1%)
J06	Substances contenant des BPC à une concentration supérieure ou égale à 10 000 mg/kg (1%)
J07	Équipement contenant des BPC
J08	Équipement contaminé par des BPC
J09	Pièce métallique à nu contaminée par des BPC
	Matières dangereuses provenant d'un laboratoire
K01	Laboratoire de recherche ou de développement industriel ou commercial
K02	Laboratoire d'un établissement d'enseignement
K03	Autres sources (précisez)
	Matières dangereuses contaminées
L01	Équipements contaminés
L02	Contenants contaminés
L03	Autres matières contaminées

	Autres matières dangereuses
M01	Préparations pharmaceutiques, médicaments et cosmétiques hors d'usage
M02	Boues et résidus de tanneries
M03	Matières explosives non spécifiées autrement
M04	Matières radioactives non spécifiées autrement
M05	Boues de récurage et de décontamination de réservoirs et contenants non spécifiées autrement
M06	Résines échangeuses d'ions hors d'usage
M07	Autres matières non spécifiées autrement (précisez)
	Mélanges (catégories réservées aux titulaires de permis visés à l'article 70.9 de la Loi sur la qualité de l'environnement (L.R.Q., c. Q-2))
N01	Mélange acide
N02	Mélange acide à réduire
N03	Mélange neutre
N04	Mélange alcalin
N05	Mélange alcalin/neutre à réduire
N06	Mélange à oxyder
N07	Mélange oxydant
N08	Combustible à faible valeur calorifique
N09	Combustible à faible valeur calorifique, halogéné
N10	Combustible à haute valeur calorifique
N11	Combustible à haute valeur calorifique, halogéné
N12	Mélange de solvants organiques
N13	Mélange de solutions organiques
N14	Mélange de boues et solides organiques
N15	Mélange de boues et solides inorganiques

N16	Mélange de solides organiques et inorganiques
	Autres matières composant un mélange (catégories réservées aux titulaires de permis visés à l'article 70.9 de la Loi sur la qualité de l'environnement)
O01	Sols contaminés
O02	Matières non dangereuses

SECTION 2

IDENTIFICATION DE LA MATIÈRE DANGEREUSE

L'identification d'une matière dangereuse est déterminée par le code de sa catégorie, indiqué à la section 1 de la présente annexe, accompagné des numéros de sa classe et de sa division, tels qu'attribués en vertu du Réglement sur le transport des matiéres dangereuses (D. 866-2002, 02-07-10) (si la matiére dangereuse n'est pas visée par ce dernier règlement, on utilisera alors le code 0.0), ainsi que par le code indiquant son état physique tel que déterminé selon le tableau suivant:

Code	État physique
L	Liquide
S	Solide
P	Semi-solide (boue)
G	Gazeux

D. 1310-97, ann. 4.

CANLEGAL

Ministère du
Développement durable,
de l'Environnement
et des Parcs
Québec

Charlesbourg, le 11 novembre 2005

CERTIFICAT D'AUTORISATION

La Compagnie Américaine de Fer et Métaux inc. (A.I.M.)
999, avenue Industrielle
Québec (Québec) G1J 3W1

N/Réf. : 7610-03-01027-01-1
N/Interv. : 300212143

Objet : Exploitation d'une entreprise de récupération et recyclage de métaux non ferreux et d'accumulateurs au plomb

Mesdames,
Messieurs,

À la suite de votre demande de certificat d'autorisation datée du 14 mars 2005, reçue le 17 mars 2005 et complétée le 1er novembre 2005, j'autorise, conformément à l'article 22 de la Loi sur la qualité de l'environnement (L.R.Q., chapitre Q-2), le titulaire ci-dessus mentionné à réaliser le projet décrit ci-dessous :

> Exploiter une entreprise de récupération et recyclage de métaux non ferreux en vrac et d'accumulateurs au plomb, comprenant une presse pour la mise en ballots des métaux et un système d'épuration atmosphérique qui lui est rattaché, ainsi que des aires d'entreposage et de transbordement étanches ou équipées de système de récupération des fluides, pour une capacité annuelle maximale de production de 16 500 tonnes de métaux non ferreux et de 480 tonnes d'accumulateurs au plomb, dont la quantité de matières dangereuses résiduelles entreposées, incluant lesdits accumulateurs, sera inférieure en tout temps à 40 000 kg.
>
> Ces installations seront exploitées sur le lot 2 337 946 du cadastre rénové de la province de Québec, dans l'arrondissement Limoilou de la ville de Québec, Communauté métropolitaine de Québec.

N/Réf. : 7610-03-01027-01-1
N/Interv. : 300212143

Le 11 novembre 2005

Les documents suivants font partie intégrante du présent certificat d'autori-sation :

- Formulaire général de demande de certificat d'autorisation pour un projet industriel, en vertu de l'article 22 de la *Loi sur la qualité de l'environnement, L.R.Q, chapitre Q-2*, reçu sans lettre d'accompagnement le 17 mars 2005, signé par M. Robert Richard, coordonnateur environnement, en date du 14 mars 2005 et auquel étaient rattachées neuf annexes numérotées comprenant, outre certains documents administratifs nécessaires, des plans, devis, croquis des lieux et notes techniques;
- Lettre au ministère du Développement durable, de l'Environnement et des Parcs, reçue le 30 août 2005, signée en date du 25 août 2005 par M. Robert Richard, coordonnateur environnement, apportant des informations techniques, à laquelle étaient rattachés, outre certains documents administratifs nécessaires, les documents suivants :
  - Plan du manufacturier Audet Soudure (1989) inc. intitulé « RÉSERVOIR SURFACE DOUBLE PAROI », dessin n° N-4331, feuille 1 de 1, mesures au plan, vérifié, signé et scellé par un vérificateur de la firme Génécor inc., en date du 31 mars 2003, présentant des vues en plan et en coupe du réservoir;
  - Plan du manufacturier Audet Soudure (1989) inc. intitulé « RÉSERVOIR D'HUILE DOMESTIQUE À PLAT», dessin n° N-4332, feuille 1 de 1, mesures au plan, vérifié, signé et scellé par un vérificateur de la firme Génécor inc., en date du 23 avril 2003, présentant des vues en plan et en coupe du réservoir;
  - Fiche technique du manufacturier Capteur GR inc. intitulé « INTERCEPTEUR D'HUILE À CAPACITÉ DE RÉTENTION VARIABLE », mesures au plan, vérifié, signé et scellé par un vérificateur de la firme Génécor inc., en date du 31 mars 2003, présentant une vue en coupe du réservoir et le devis de conception;
  - Fiches techniques du manufacturier AAF International pour les filtres de marque AmAir® 300X et Perfect Pleat® ULTRA du dépoussiéreur de la presse à métaux;
  - Télécopie d'une lettre signée en date du 4 juin 2005 par M. Pierre Gauvin de Solutions Environnementales M.P.M. confirmant la récupération des matières dangereuses résiduelles par son entreprise chez A.I.M. Québec inc.;
  - Plan général de l'aménagement du site intitulé « A.I.M. QUEBEC », dessin n° QTER-001-D, à l'échelle 1:500, daté du 15 février 2005, vérifié, signé et scellé par M. Pierre Martin, architecte, de la firme Gerpatec inc. de Québec;

- Plan du détail des structures métalliques intitulé « MÉTAUX OUVRÉS », dossier n° 0232, feuille 16/21, échelles au plan, daté de novembre 2002, vérifié, signé et scellé par M. Pierre Martin, architecte, de la firme Gerpatec inc. de Québec;

- Plan général de l'aménagement intérieur du bâtiment intitulé « PLOMBERIE – VUE EN PLAN NIVEAU 1 – DRAINAGE ET ALIMENTATION », dossier n° 2002-LS-63, feuille P-1/4, à l'échelle 1:100, daté du 26 février 2002, vérifié, signé et scellé par M. Robert Devost, ingénieur, de la firme Génécor inc. de Québec;

- Plan général de l'aménagement intérieur du bâtiment intitulé « PLOMBERIE - 1ER ET 2IÈME ÉTAGES – DRAINAGE ET ALIMENTATION – DÉTAILS ET LÉGENDE », dossier n° 2002-LS-63, feuille P-2/4, échelles au plan, daté du 26 février 2002, vérifié, signé et scellé par M. Robert Devost, ingénieur, de la firme Génécor inc. de Québec;

- Lettre au ministère du Développement durable, de l'Environnement et des Parcs reçue le 4 octobre 2005, signée en date du 30 septembre 2005 par M. Robert Richard, coordonnateur environnement, à laquelle était rattaché, outre un document administratif nécessaire, le document pertinent suivant :

  - Lettre au ministère du Développement durable, de l'Environnement et des Parcs, signée en date du 26 septembre 2005 par M. Robert Richard, coordonnateur environnement, présentant un engagement à ne pas entreposer, presser, démanteler ou déchiqueter des véhicules hors d'usage à ses installations;

- Lettre au ministère du Développement durable, de l'Environnement et des Parcs, reçue le 1er novembre 2005, signée en date du 31 octobre 2005 par M. Robert Richard, coordonnateur environnement, à laquelle étaient rattachés les documents pertinents suivants :

  - Formulaire 8.2.2.1 de demande d'autorisation pour l'installation d'un dépoussiéreur à filtres, signé par M. Robert Richard, coordonnateur environnement, en date du 31 octobre 2005;

  - Document intitulé « RAPPORT PRÉLIMINAIRE – ÉCHANTILLONAGE DES ÉMISSIONS ATMOSPHÉRIQUES – PRESSE À MÉTAUX – AIM-QUÉBEC », n° 05-00960, préparé par la firme Consulair de Québec, daté d'octobre 2005, présentant les résultats d'échantillonnage isocinétiques à la sortie de la cheminée.

En cas de divergence entre ces documents, l'information contenue au document le plus récent prévaudra.

N/Réf. : 7610-03-01027-01-1
N/Interv. : 300212143

Le 11 novembre 2005

Le projet devra être réalisé et exploité conformément à ces documents.

En outre, ce certificat d'autorisation ne dispense pas le titulaire d'obtenir toute autre autorisation requise par toute loi ou tout règlement le cas échéant.

Pour le ministre,

LM/LR/mg

Lise Monette
Directrice régionale de l'analyse et de l'expertise de la Capitale-Nationale et de la Chaudière-Appalaches

Ministère du
Développement durable,
de l'Environnement
et des Parcs
Québec

Québec, le 29 avril 2009

CESSION DE CERTIFICAT D'AUTORISATION

Fer et Métaux Américains S.E.C.
9100, boulevard Henri-Bourassa Est
Montréal (Québec) H1E 2S4

N/Réf. : 7610-03-01027-01-6
N/Doc. : 400580354

Objet : Exploitation d'une entreprise de récupération et recyclage de métaux non ferreux et d'accumulateurs au plomb

Mesdames,
Messieurs,

À la suite de votre demande de cession datée du 21 avril 2009, reçue et complétée le 22 avril 2009, concernant le certificat d'autorisation délivré en vertu de l'article 22 de la Loi sur la qualité de l'environnement (L.R.Q., chapitre Q-2), le 11 novembre 2005 à La Compagnie Américaine de Fer et Métaux inc., j'autorise, conformément au deuxième alinéa de l'article 24 de la Loi sur la qualité de l'environnement, la cession de ce certificat d'autorisation à la compagnie Fer et Métaux Américains S.E.C.

Cette cession est délivrée à l'égard du projet décrit ci-dessous :

> Exploiter une entreprise de récupération et recyclage de métaux non ferreux en vrac et d'accumulateurs au plomb, comprenant une presse pour la mise en ballots des métaux et un système d'épuration atmosphérique qui lui est rattaché, ainsi que des aires d'entreposage et de transbordement étanches ou équipées de système de récupération des fluides, pour une capacité annuelle maximale de production de 16 500 tonnes de métaux non ferreux et de 480 tonnes d'accumulateurs au plomb, dont la quantité de

N/Réf. : 7610-03-01027-01-6
N/Doc. : 400580354

Le 29 avril 2009

matières dangereuses résiduelles entreposées, incluant lesdits accumulateurs, sera inférieure en tout temps à 40 000 kg.

Ces installations seront exploitées sur le lot 2 337 946 du cadastre rénové de la province de Québec, dans l'arrondissement Limoilou de la ville de Québec, Communauté métropolitaine de Québec.

Les documents suivants font partie intégrante de la présente cession de certificat d'autorisation :

- Lettre acheminée au ministère du Développement durable, de l'Environnement et des Parcs, signée le 21 avril 2009 par M. Mathieu Germain de Fer et Métaux Américains S.E.C., 2 pages, concernant l'engagement à respecter le certificat d'autorisation en plus des documents joints.

Le projet devra être réalisé et exploité conformément au certificat d'autorisation cédé, aux documents qui en faisaient partie, à la demande de cession et aux documents qui font partie intégrante de cette cession de certificat d'autorisation et aux conditions de cette cession.

En outre, cette cession de certificat d'autorisation ne dispense pas le titulaire d'obtenir toute autre autorisation requise par toute loi ou tout règlement le cas échéant.

Pour la ministre,

JML/MCL/nr

Jean-Marc Lachance, ing.
Directeur régional de l'analyse et
de l'expertise de la Capitale-Nationale
et de la Chaudière-Appalaches

Copie certifiée conforme remise à la compagnie La Compagnie Américaine de Fer et Métaux inc.

REÇU Le 04 MAI 2009

Ministère du
Développement durable,
de l'Environnement
et des Parcs
Québec

Longueuil, le 5 décembre 2011

PERMIS

Solva-Rec Environnement inc.
795, rue Lucien-Beaudin
Saint-Jean-sur-Richelieu (Québec) J2X 5M3

N/Réf. : 7610-16-01-1060903
400878209

Objet : Système de gestion de transport de matières dangereuses résiduelles

Mesdames,
Messieurs,

À la suite de votre demande de renouvellement de permis datée du 7 août 2011, reçue le 18 août 2011 et complétée le 23 novembre 2011, je délivre au titulaire ci-dessus mentionné, conformément aux articles 70.9-5 et 70.14 de la *Loi sur la qualité de l'environnement* (L.R.Q., chapitre Q-2), le permis à l'égard de l'activité ci-dessous :

> Transport de matières dangereuses résiduelles vers un lieu d'élimination. Les matières dangereuses résiduelles transportées seront solides, liquides ou semi solides et appartiendront aux catégories mentionnées à l'annexe 4 du *Règlement sur les matières dangereuses* à l'exception des matières et objets contenant des BPC et des matières explosives ou radioactives.

Les véhicules servant au transport de matières dangereuses résiduelles seront remisés à l'adresse suivante :

795, rue Lucien-Beaudin
Saint-Jean-sur-Richelieu

Le document suivant fait partie intégrante du présent permis :

- Lettre adressée au ministère du Développement durable, de l'Environnement et des Parcs, datée du 7 août 2011, signée par Hugues Lamer, concernant la demande de renouvellement du permis d'exploitation, 2 pages, 4 annexes.

Le projet devra être exploité conformément à cette demande de renouvellement de permis et à ce document.

Ce permis est valide pour cinq ans à compter de la date des présentes.

En outre, ce permis ne vous dispense pas d'obtenir toute autre autorisation requise par toute loi ou tout règlement, le cas échéant.

Pour le ministre,

PP/JL/jl

Pierre Paquin
Directeur régional de l'analyse et de
l'expertise de l'Estrie et de la Montérégie

Ministère
du Développement durable,
de l'Environnement
et de la Lutte contre les
changements climatiques
Québec

Longueuil, le 8 septembre 2014

PERMIS
Loi sur la qualité de l'environnement
(RLRQ, chapitre Q-2, article 70.11)

Solva-Rec Environnement Inc.
795, rue Lucien-Beaudin
Saint-Jean-sur-Richelieu (Québec) J2X 5M3

N/Réf. : 7610-16-01-1060901
401172445

Objet : Exploitation d'un centre de gestion de matières dangereuses résiduelles

Mesdames,
Messieurs,

À la suite de votre demande de renouvellement de permis du 24 mai 2014, reçue le 3 juin 2014 et complétée le 5 septembre 2014, je délivre au titulaire mentionné ci-dessus, conformément à l'article 70.11 de la *Loi sur la qualité de l'environnement* (RLRQ, chapitre Q-2), le permis à l'égard de l'activité décrite ci-dessous :

- Entreposage d'une quantité maximale de 2 713 425 kg de matières dangereuses résiduelles appartenant aux catégories mentionnées à l'annexe 4 du *Règlement sur les matières dangereuses* à l'exception des matières explosives ou radioactives;
- Neutralisation d'isocyanates;
- Neutralisation d'acides et de bases;
- Broyage de néons et de contenants de matières dangereuses résiduelles;
- Vidange de contenants aérosols;
- Nettoyage de contenants et de pièces contaminées;
- Consolidation de matières dangereuses résiduelles semi-liquides.

Ce projet est situé à l'emplacement mentionné ci-après :

> Sur le lot 4 043 276 du cadastre du Québec (anciennement les lots 239 et 241 du cadastre officiel de la paroisse de Saint-Athanase), municipalité régionale de comté du Haut-Richelieu, dont l'adresse civique est le 795, rue Lucien-Beaudin, dans la municipalité de Saint-Jean-sur-Richelieu.

Les documents suivants font partie intégrante du présent permis :

- Lettre et documents transmis au ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques, datée du 24 mai 2014 et signée par Hugues Lamer, concernant la demande de renouvellement de permis;
- Courriel transmis le 3 septembre 2014 au ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques par Éric Benoît, concernant des précisions sur les activités d'entreposage effectuées à l'extérieur et sur des informations techniques;
- Lettre et documents transmis le 5 septembre 2014 au ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques par Hugues Lamer, concernant des informations techniques et les engagements du détecteur de COV, des registres et de l'entreposage de MDR à l'extérieur sur le terrain.

En cas de divergence entre ces documents, l'information contenue au document le plus récent prévaudra.

Le projet devra être réalisé et exploité conformément à ces documents.

Ce permis est valide pour cinq ans à compter du 8 septembre 2014, conformément à l'article 70.14 de ladite loi.

En outre, ce permis ne dispense pas le titulaire d'obtenir toute autre autorisation requise par toute loi ou tout règlement, le cas échéant.

Pour le ministre,

PP/AM/am

Pierre Paquin
Directeur régional de l'analyse et de l'expertise de l'Estrie et de la Montérégie

APPENDIX C

SHIPPING MANIFEST

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

JP48553-4

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

A Generator / consignor — Producteur / expéditeur
Registration No. / Provincial ID No. — N° d'immatriculation - d'id. provincial

Company name / Nom de l'entreprise: BAFFINLAND IRON MINES
Mailing address / Adresse postale: 2275 Upper Middle Burlington — City / Ville: Burlington — Province: Ont — Postal code / Code postal: L6H 0C3
E-mail / Courriel électronique: bdior@genv.ca (consultant) — Tel. No. / N° de tél.: 450 466 2123
Shipping site address / Adresse du lieu de l'expédition: Port of Valleyfield
City / Ville: Valleyfield — Province: QC — Postal code / Code postal: J6T 6L4

Intended Receiver / consignee — Réceptionnaire / destinataire prévu: SOLVA-REC — Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 116 584 3575
Mailing address / Adresse postale: 795 Lucien-Beaudin — City / Ville: St-Jean — Province: Qc — Postal code / Code postal: J2X 5M3
E-mail / Courriel électronique: hugues.lamer@solva-recycle.com — Tel. No. / N° de tél.: 450 347 3008
Receiving site address / Adresse du lieu de réception: 795 Lucien-Beaudin
City / Ville: St-Jean — Province: Qc — Postal code / Code postal: J2X 5M3

B Carrier — Transporteur
Registration No. / Provincial ID No. — N° d'immatriculation - d'id. provincial

Company name / Nom de l'entreprise: NSST (Claude Desgagnés)
Mailing address / Adresse postale: 6565 Hébert — City / Ville: Ste-Cath — Province: Qc — Postal code / Code postal: J7X 5M3
E-mail / Courriel électronique: daniel.desgagnes@desgagnes.com — Tel. No. / N° de tél.: 450 635 0833
Vehicle / Véhicule: J-J — Registration No. / N° d'immatriculation
Trailer - Rail car No. 1 / 1re remorque - wagon
Trailer - Rail car No. 2 / 2e remorque - wagon
Port of entry / Port d'entrée — Port of exit / Port de sortie

Carrier Certification: I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.
Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire tel qu'il figure à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.
Name of authorized person (print): / Nom de l'agent autorisé (caractères d'imprimerie): — Tel. No. / N° de tél.
Year / Année | Month / Mois | Day / Jour | Signature:

Reference Nos. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés

C Receiver / consignee — Réceptionnaire / destinataire
Registration No. / Provincial ID No. — N° d'immatriculation - d'id. provincial: 116 584 3575

Receiver / consignee information same as in Part A — Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A
☒ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise
Mailing address / Adresse postale
City / Ville — Province — Postal code / Code postal
E-mail / Courriel électronique — Tel. No. / N° de tél.
Receiving site address / Adresse du lieu de destination

Date received / Date de réception: Year / Année 14 | Month / Mois 10 | Day / Jour 06 | Time / Heure ☐ AM ☐ PM

If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire — Registration No. / Provincial ID No. / N° d'immatriculation/d'id provincial

Prov. code / Code prov.	Shipping name / Appellation réglementaire	Class / Classe	UN No. / N° ONU	Packing Group / Groupe d'emballage	Quantity shipped / Quantité expédiée	Units / Unités	Packaging/Container No. / N°	Codes	Phys. state / État phys.
	See attached Annex								

Quantity received / Quantité reçue	Units / Unités	Discrepancy / Écart	Handling Code / Code de manutention	Shipment Accepted / Envoi accepté	Shipment Refused / Envoi refusé	Pack. Corr.	Wgt. Verif.
See annex			01	X			

If handling code "Other" (specify) / Si code de manutention « autre » (préciser)

Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. / Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets.
Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): ERIC BENOIT
Signature: — Tel. No. / N° de tél.: 450 347 3008

Special handling / Manutention spéciale: ☐ Attached / Ci-joint ☐ As follows / Ci-contre:

Notice No. / N° de notification	Notice Line No. / N° de ligne de la notification	Shipment Envoi	Of / De	D or R / Code E ou R	C code / Code C	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE	H code / Code H	Y code / Code Y	National code in country of / Code du pays: Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes

International use only

Generator / consignor certification: I certify that the information contained in Part A is correct and complete. / Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.
Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): BENOIT DION — Signature: — Tel. No. / N° de tél.: 1 450 466 2123

Date shipped / Date d'expédition: Year / Année | Month / Mois | Day / Jour | Time / Heure ☐ AM ☐ PM
Scheduled arrival date / Date d'arrivée prévue: Year / Année | Month / Mois | Day / Jour

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 1 (white / blanche

ANNEXE MOVEMENT DOCUMENT REFERENCE : JP 48553-4

Rév: 09-09-2014

Line	Prov. Code	DESCRIPTION OF GOODS	Class	UN	PG	QUANTITY Gross mass(kg)	No.	Type of packaging	Physical state
CONTAINER NO. 220 7710 / BH 1990									
a.	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	1 800	1	1	L
b.	DRUM	ANTI-FREEZE	n/a	n/a	n/a	600	3	1	L
c.	DRUM	WASTE OIL	n/a	n/a	n/a	1 200	6	1	L
d.	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C.	3	1202	II	800	4	1	L
e.	DRUM	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	500	2	1	L
CONTAINER NO. 309 3885 / BH 1902									
f.	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	2 400.0	12	1	L
g.	DRUM	ANTI-FREEZE	n/a	n/a	n/a	400.0	2	1	L
h.	DRUM	WASTE OIL	n/a	n/a	n/a	400.0	2	1	L
i.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	250.0	1	5	S
CONTAINER NO. 273 0801 / BH-1899									
j.	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	2 400.0	12	1	L
k.	DRUM	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	600.0	3	1	S
l.	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250.0	1	5	S
m.	QUATREX	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	3	1202	II	700.0	2	5	L
n.	DRUM	ANTI-FREEZE	n/a	n/a	n/a	200.0	1	1	L
CONTAINER NO. 0336 355 / BH-1898									
o.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	500.0	2	5	S
p.	QUATREX	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	3	1202	II	700.0	2	5	L
q.	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C.	3	1203	II	200.0	1	1	L
r.	DRUM	WASTE OIL	n/a	n/a	n/a	1 600.0	8	1	L
s.	SALVAGE	WASTE OIL	n/a	n/a	n/a	360.0	1	1	L
t.	TOTE	WASTE OIL	n/a	n/a	n/a	950.0	1	7	L

u.	SALVAGE	OIL FILTER	n/a	n/a	n/a	150.0	1	1	S
CONTAINER NO. 739 3465 / BH 1905									
v.	TOTE	WASTE OIL	n/a	n/a	n/a	4 500.0	5	7	L
w.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	500.0	5	5	S
CONTAINER NO. 284 8775 / BH-1906									
x.	TOTE	WASTE OIL	n/a	n/a	n/a	7 500.0	8	7	L
CONTAINER NO. 322 5606 / BH-1907									
y.	TOTE	WASTE OIL	n/a	n/a	n/a	7 500.0	8	7	L
CONTAINER NO. 877 608-1 / BH-1915									
z.	TOTE	WASTE OIL	n/a	n/a	n/a	17 000.0	18	7	L
CONTAINER NO. 879 599-1 / BH-1916									
aa.	TOTE	WASTE OIL	n/a	n/a	n/a	9 500.0	10	7	L
bb.	DRUM	WASTE OIL	n/a	n/a	n/a	400.0	4	1	L
cc.	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	500.0	2	1	S
dd.	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	800.0	4	1	S
ee.	DRUM	ANTI-FREEZE	n/a	n/a	n/a	1 200.0	6	1	L
ff.	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	1 200.0	6	1	L
gg.	DRUM	AVIATION GASOLINE (JET A), UN 1863, CLASS 3 PG II, F.P. -27°c. C.C.	3	1863	II	800.0	4	1	L
hh.	SALVAGE	OIL FILTER	n/a	n/a	n/a	250.0	2	1	S
CONTAINER NO. 878 227-4 / BH-1923									
ii.	DRUM	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	400	2	1	S
jj.	DRUM	WASTE OIL	n/a	n/a	n/a	1200	6	1	L
kk.	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C	3	1203	II	800	4	1	L
ll.	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250	1	1	S
mm.	SALVAGE	OIL FILTER	n/a	n/a	n/a	200	1	1	S
CONTAINER NO. 897 574 / BH-1929									
nn.	SALVAGE	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	250	1	1	S
oo.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	1250	5	5	
pp.	SALVAGE	OIL FILTER	n/a	n/a	n/a	200	1	1	S
qq.	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C.	3	1203	II	400	2	1	L
rr.	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	1 000.0	5	5	S

ss.	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	8	2794	II	1 500.0	3	5	S
tt.	QUATREX	POLYMER, GREASE, ANTI-FREEZE	n/a	n/a	n/a	250.0	1	5	S
uu.	QUATREX	OWS FILTER	n/a	n/a	n/a	500.0	1	5	S
vv.	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250.0	1	5	S
ww.	QUATREX	WATER TREATMENT JAR	n/a	n/a	n/a	250.0	1	5	L
CONTAINER NO. 879 214-3 / BH-1920									
xx.	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	250.0	1	5	S
yy.	QUATREX	HOUSE HOLD PRODUCT, Not TDG Regulated	n/a	n/a	n/a	500.0	2	5	S
zz.	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	n/a	n/a	n/a	3 000.0	12	5	S
aaa.	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250.0	1	5	S
bbb.	TOTE	WASTE OIL	n/a	n/a	n/a	3 500.0	4	7	L
CONTAINER NO. 879 214-3 / BH-1920									
ccc.	QUATREX	HOUSE HOLD PRODUCT, Not TDG Regulated	n/a	n/a	n/a	500.0	2	5	S
ddd.	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	n/a	n/a	n/a	250.0	1	5	S
eee.	QUATREX	BENTONITE	n/a	n/a	n/a	500.0	1	5	S
fff.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	250.0	1	5	S
ggg.	QUATREX	HYDROCARBON CONTAMINATED SOIL	n/a	n/a	n/a	2 000.0	2	5	S
CONTAINER NO. 737432-0 / BH-1919									
hhh.	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	500.0	3	5	S
jjj.	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	750.0	3	5	S
kkk.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	500.0	2	5	S
CONTAINER NO. 233 438-8 / BH-1917									
lll.	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	1 500.0	7	5	S
mmm.	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	n/a	n/a	n/a	250.0	1	5	S
CONTAINER NO. 290 588-9 / BH-1918									
nnn.	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	1 250.0	5	5	S
ooo.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	750.0	3	5	S
CONTAINER NO. 122 970-8									
ppp.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	750.0	3	5	S
qqq.	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	8	2794	II	1 000.0	2	5	S
rrr.	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	1 250.0	5	5	S
sss.	DRUM	AVIATION GASOLINE (JET A), UN 1863, CLASS 3 PG II, F.P. -27°c. C.C.	3	1864	II	6 000.0	30	1	L
CONTAINER NO. 285 8325 / BH 1900									

ttt.	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	1 250.0	6	5	S
uuu.	DRUM	WASTE OIL	n/a	n/a	n/a	800.0	4	1	L
vvv.	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	8	2794	II	500.0	1	5	S
CONTAINER NO. 238 2529 / BH 1903									
6	TOTE	WASTE OIL	n/a	n/a	n/a	5 500.0	6	7	L
4	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	800.0	4	1	L
CONTAINER NO. 294 2637 / BH 1897									
6	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	1 250.0	6	5	S
2	TOTE	WASTE OIL	n/a	n/a	n/a	1 800.0	2	7	L
CONTAINER NO. 294 2637 / BH 1897									
2	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	3	1202	II	400.0	2	1	L
3	DRUM	HC CONTAMINATED WATER	n/a	n/a	n/a	600.0	3	1	L
1	QUATREX	HC CONTAMINATED WATER (IN PAILS)	n/a	n/a	n/a	500.0	1	5	L
1	DRUM	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	200.0	1	1	S
3	QUATREX	HYDROCARBON CONTAMINATED SOLID	n/a	n/a	n/a	750.0	3	5	S
1	DRUM	ANTI-FREEZE	n/a	n/a	n/a	200.0	1	1	L
1	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	8	2794	II	500.0	1	5	S

Prepared by : Benoit Dion Baffinland Iron Mines *Location :* Milne Inlet *Date : 09-09-2014*

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

JP48554-2

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

A Generator / consignor / Producteur / expéditeur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: NVG 1000073

Company name / Nom de l'entreprise: BAFFINLAND IRON MINES - Mary River

Mailing address / Adresse postale: 2275 Upper Middle Road Oakville, ON L6H 0C3

E-mail / Courrier électronique: jim.millard@baffinland.com

Tel. No. / N° de tél.: 416 364 8870

Shipping site address / Adresse du lieu de l'expédition: Milne Inlet site

City / Ville: Milne Inlet

Province: Nu

Postal code / Code postal: X0A0H0

B Carrier / Transporteur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: NVC 70 0002

Company name / Nom de l'entreprise: Nunavut Sealift and Supply (NSSI)

Mailing address / Adresse postale: 6565 boul. Hébert, Ste-Catherine, Qc, J5C 1G5

City / Ville:

Province:

Postal code / Code postal:

E-mail / Courrier électronique: daniel.desgagnes@desgagnes.com; franbert.c

Tel. No. / N° de tél.: 450 635 0833

Vehicle / Véhicule: Registration No. / N° d'immatriculation: Prov.

Trailer - Rail car No. 1 / 1re remorque - wagon:

Trailer - Rail car No. 2 / 2e remorque - wagon:

Port of entry / Point d'entrée: International use only

Port of exit / Point de sortie: International use only

Carrier Certification: I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.
Attestation du transporteur : J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.

Name of authorized person (print): / Nom de l'agent autorisé (caractères d'imprimerie) :

Tel. No. / N° de tél.: 450 635 0833

Year / Année | Month / Mois | Day / Jour | Signature :

C Receiver / consignee / Réceptionnaire / destinataire

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 116 584 3575

Receiver / consignee information same as in Part A. / Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A
☒ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise:

Mailing address / Adresse postale:

City / Ville: Province: Postal code / Code postal:

E-mail / Courrier électronique: Tel. No. / N° de tél.:

Receiving site address / Adresse du lieu de destination:

Reference No. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifeste utilisés

Date received / Date de réception: Year / Année 14 | Month / Mois 10 | Day / Jour 06 | Time / Heure ☐ A.M. ☐ P.M.

If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire

Registration No. / Provincial ID No. / N° d'immatriculation/d'id provincial

Prov. code / Code prov.	Shipping name / Appellation d'expédition	Class / Classe Sub. class(es) / Classe(s) sub.	UN No. / N°NU	Packing / Rck. gr. / Gr. d'emballage / de risque	Quantity shipped / Quantité expédiée	Units / L or / ou Kg / Unités	Packaging / Conteneur No. / N°	Codes	Phys. state / Etat phys.
(i)	See attached annex								
(ii)									
(iii)									
(iv)									

Quantity received / Quantité reçue	Units / L or / ou Kg / Unités	Comments / Commentaires	Handling Code / Code de manutention	Shipment / Envoi Accepted / Accepté	Refused / Refusé	Decont. Pack. / Cont.	Veh. / Véh.
See annex			01	X			

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier)

Notice No / N° de notification	Notice Line No / N° de ligne de la notification	Shipment / Envoi	Gt / De	D or R code / Code E ou R	C code / Code C	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE	H code / Code H	Y code / Code Y	National code in country of / Code du pays: Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes
(i)											
(ii)											
(iii)											
(iv)											

International use only

Receiver / consignee certification : I certify that the information contained in Part C is correct and complete. / Attestation du réceptionnaire / destinataire : J'atteste que tous les renseignements à la partie C sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): ERIC BENOIT

Signature:

Tel. No. / N° de tél.: 450 347 3008

Special handling / Manutention spéciale: ☐ Attached / Ci-joint: ☐ As follows / Ci-contre :

Generator / consignor certification: I certify that the information contained in Part A is correct and complete.
Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): BENOIT DION

Signature:

Tel. No. / N° de tél.: 4504662123

Date shipped / Date d'expédition: Year / Année | Month / Mois | Day / Jour | Time / Heure ☐ A.M. ☐ P.M.

Scheduled arrival date / Date d'arrivée prévue: Year / Année | Month / Mois | Day / Jour

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 1 (white / blanche)

ANNEXE MOVEMENT DOC. DECLARATION REFERENCE : JP 485554-2

Rév: 10-01-2014

Line	Provincial code	No. & Kind of packages		DESCRIPTION OF GOODS (UN Number, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	Class	UN	PG	QUANTITY KG	Type of packaging	Physical state
CONTAINER NO. 11218-3										
a.	A01	16	TOTE	WASTE OIL	n/a	n/a	n/a	14 400	1	L
b.	O01	3	QUATREX	CONTAMINATED SOIL	n/a	n/a	n/a	3 000	5	S
CONTAINER NO. TDRU 117174-0										
c.	A01	5	DRUM	WASTE OIL	n/a	n/a	n/a	1 000.0	1	L
d.	B03	1	QUATREX	OILY CONTAINERS	n/a	n/a	n/a	300.0	5	S
e.	A04	4	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	1 200.0	5	S
f.	O01	3	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	900.0	5	S
g.	B03	1	OVERSIZE	CONTAINATED SOLID (HOSES)	n/a	n/a	n/a	200.0	1	S
h.	O02	1	DRUM	FOAM (NOT TDG REGULATED)	n/a	n/a	n/a	200.0	1	S
i.	D04	4	DRUM	DIESEL FUEL	3	UN 1202	II	800.0	1	L
j.	D01	3	DRUM	COOLANT	n/a	n/a	n/a	600.0	1	L
k.	A03	18	DRUM	CONTAMINATED WATER	n/a	n/a	n/a	3 600.0	1	L
l.	A05	1	OVERSIZE	OIL FILTER	n/a	n/a	n/a	200.0	1	S
CONTAINER NO. DLMU 131400-0										
m.	B03	13	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	3 250.0	5	S
n.	O02	1	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	250.0	5	S
o.	A04	1	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	200.0	5	S
p.	E15	1	QUATREX	BATTERIES, WET, FILLED WITH ACID	8	UN 2794	II	200.0	5	S
q.	B03	1	QUATREX	ABSORBANT PADS	n/a	n/a	n/a	150.0	5	S
CONTAINER NO. 187031-0										
r.	A01	2	TOTE	WASTE OIL	n/a	n/a	n/a	900.0	7	L
s.	B03	15	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	3 750.0	5	S
t.	M07	1	QUATREX	AEROSOLS, FLAMMABLE	2.1	UN 1950	II	150.0	5	G
u.	O02	2	QUATREX	CONTAMINATED LINER	n/a	n/a	n/a	300.0	5	S
CONTAINER NO. 357 126										
v.	O02	1	QUATREX	EMPTY JAR	n/a	n/a	n/a	200.0	5	S
x.	B03	1	QUATREX	OILY RAGS	n/a	n/a	n/a	150.0	5	S
y.	O02	1	QUATREX	CONTAMINATED LINER	n/a	n/a	n/a	150.0	5	S
z.	B03	1	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	350.0	5	S
aa.	D03	1	QUATREX	DIESEL FUEL	3	UN 1202	III	250.0	5	L
CONTAINER NO. 628738-5										
bb.	A01	1	OVERSIZE	WASTE OIL	n/a	n/a	n/a	250	1	L

cc.	A03	28	DRUM	CONTAMINATED WATER	n/a	n/a	n/a	5600	1	L
dd.	A05	6	OVERSIZE	OIL FILTER	n/a	n/a	n/a	1500	1	S
ee.	A05	2	OVERSIZE	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	500	1	S
ff.	D03	1	DRUM	DIESEL FUEL	3	UN 1202	III	200	1	L
gg.	O02	1	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	200	5	S
CONTAINER NO. DLMU 723214-7										
hh.	B03	12	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	3 000.0	5	S
ii.	E15	3	QUATREX	BATTERIES, WET, FILLED WITH ACID	8	UN 2794	III	600.0	5	S
jj.	A04	1	QUATREX	GREASE/ANTI-FREEZE	n/a	n/a	n/a	400.0	5	S
kk.	B03	1	QUATREX	CONTAMINATED OILY SOLID (OWS FILTER)	n/a	n/a	n/a	400.0	5	S
ll.	B03	1	QUATREX	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250.0	5	S
CONTAINER NO. 734148										
mm.	A01	2	OVERSIZE	WASTE OIL	n/a	n/a	n/a	500	1	L
nn	A01	3	TOTE	WASTE OIL	n/a	n/a	n/a	2700	7	L
oo.	B03	1	QUATREX	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250	5	S
pp.	B03	3	OVERSIZE	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	600	1	S
qq.	B03	2	DRUM	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	150	1	S
rr.	B03	2	QUATREX	CONTAMINATED OILY SOLID (PAILS)	n/a	n/a	n/a	100	5	S
ss.	A01	10	DRUM	WASTE OIL	n/a	n/a	n/a	2000	1	L
tt.	A03	1	OVERSIZE	CONTAMINATED WATER	n/a	n/a	n/a	250	1	L
uu.	A05	1	OVERSIZE	OIL FILTER	n/a	n/a	n/a	250	1	S
vv.	O02	1	DRUM	FOAM (NOT TDG REGULATED)	n/a	n/a	n/a	200	1	S
xx.	O02	1	QUATREX	FOAM (NOT TDG REGULATED)	n/a	n/a	n/a	350	5	S
yy.	D01	1	DRUM	COOLANT	n/a	n/a	n/a	200	1	L
zz.	M07	1	QUATREX	PAINT RELATED MATERIAL	3	UN 1263	II	200	5	S
aaa.	D03	1	OVERSIZE	DIESEL FUEL	3	UN 1202	II	250	1	L
bbb.	B03	1	QUATREX	CONTAMINATED SOLID (DEBRIS & SNOW)	n/a	n/a	n/a	200	5	S
ccc.	B03	1	OVERSIZE	CONTAMINATED SOLID	n/a	n/a	n/a	250	1	S
CONTAINER NO. 809682										
ddd.	E15	1	QUATREX	BATTERIES, WET, FILLED WITH ACID	8	UN 2794	II	600.0	5	S
eee.	A04	1	QUATREX	KITCHEN GREASE	n/a	n/a	n/a	250.0	5	S
fff.	B03	7	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	250.0	5	S
ggg.	B03	1	QUATREX	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	800.0	5	S
hhh.	A01	3	TOTE	WASTE OIL	n/a	n/a	n/a	2 700.0	7	L
iii.	O02	1	QUATREX	CONTAMINATED LINER	n/a	n/a	n/a	70.0	5	S
jjj.	A05	2	OVERSIZE	OIL FILTER	n/a	n/a	n/a	500.0	1	S
kkk.	B03	1	OVERSIZE	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	250.0	1	S
lll.	O02	1	QUATREX	CONTAMINATED JAR	n/a	n/a	n/a	250.0	5	S
mmm.	A03	1	DRUM	CONTAMINATED WATER	n/a	n/a	n/a	200.0	1	L
CONTAINER NO. 865 984-8										

nnn	O02	4	QUATREX	ASH FROM BURNING PROCESS	n/a	n/a	n/a	1200	5	S
ooo.	B03	6	QUATREX	CONTAMINATED SOLID (HOSES)	n/a	n/a	n/a	1500	5	S
ppp.	A03	1	QUATREX	GREASE/ANTI-FREEZE	n/a	n/a	n/a	400	5	S
qqq.	B03	4	QUATREX	CONTAMINATED SOLID	n/a	n/a	n/a	1000	5	S
rrr.	A01	2	TOTE	WASTE OIL	n/a	n/a	n/a	1800	7	L

Prepared by : Benoit Dion Baffinland Iron Mines *Location :* Milne Inlet *Date : 10-01-2014*

IMDG DECLARATION

Shipper/consignor BAFFINLAND IRON MINES MARY RIVER PROJECT MILNE INLET, Nunavut	Reference number(s) Page of Pages
Consignee NEAS/VALPORT (hold for pick-up) Port of Valleyfield 950 Boul. Gérard-Cadieux, Valleyfield	Carrier NSSI (Con Claude Desgagnés) 6565 Boul. Hébert, Ste-Catherine QC, J5C 1B5
CONTAINER/VEHICLE PACKING CERTIFICATE **DECLARATION** It is declared that the packing of the goods into the container/vehicle has been carried out in accordance with the applicable provisions. **TO BE COMPLETED FOR SHIPMENTS IN CONTAINERS OR VEHICLES** Container/Vehicle #:	Name/status, company/organization of signatory BENOIT DION, QE, FOR BIM Place and date Milne Inlet, Nu, 01-10-2014 Signature on behalf of packer
Vessel No. and Date — Port of loading: Milne Inlet Port of discharge: Valleyfield	(Reserved for text, instructions or other matter)

No. & Kind of Packages	DESCRIPTION OF GOODS (UN Number, PSN, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY Gross mass (kg)	Net mass (kg)	Cube (m³)
	See attached Annex			

Additional Information / Seal Number(s):

Emergency Telephone No. / 24-Hour Number: Canutech 1(613) 996-6666 / (450) 466 2123

SHIPPER'S DECLARATION

I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

Name/status of declarant: BENOIT DION, QE FOR BIM

Place and date: Brossard, 01-10-2014

Signature on behalf of shipper

ANNEXE IMO DECLARATION REFERENCE : JP 48554-2

Rév: 10-01-2014

No. & Kind of packages		DESCRIPTION OF GOODS (UN Number, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY	
			Gross mass(kg)	Cube (m^3)
CONTAINER NO. 11218-3				
16	TOTE	WASTE OIL	14 400	13.0
3	QUATREX	CONTAMINATED SOIL	3 000	3.0
CONTAINER NO. TDRU 117174-0				
5	DRUM	WASTE OIL	1 000.0	1.02
1	QUATREX	OILY CONTAINERS	300.0	0.76
4	QUATREX	KITCHEN GREASE	1 200.0	3.04
3	QUATREX	CONTAMINATED SOLID	900.0	2.28
1	OVERSIZE	CONTAINATED SOLID (HOSES)	200.0	0.36
1	DRUM	FIRE FOAM (NOT TDG REGULATED)	200.0	0.2
4	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C.	800.0	0.82
3	DRUM	COOLANT	600.0	0.615
18	DRUM	CONTAMINATED WATER	3 600.0	3.69
1	OVERSIZE	OIL FILTER	200.0	0.36
CONTAINER NO. DLMU 131400-0				
13	QUATREX	CONTAMINATED SOLID	3 250.0	9.88
1	QUATREX	ASH FROM BURNING PROCESS	250.0	0.76
1	QUATREX	KITCHEN GREASE	200.0	0.76
1	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	200.0	0.76
1	QUATREX	ABSORBANT PADS	150.0	0.76
CONTAINER NO. 187031-0				
2	TOTE	WASTE OIL	900.0	2
15	QUATREX	CONTAMINATED SOLID	3 750.0	11.4
1	QUATREX	AEROSOLS, UN 1950, CLASS 2.1	150.0	0.76
2	QUATREX	CONTAMINATED LINER	300.0	1.6
CONTAINER NO. 357 126				
1	QUATREX	EMPTY JAR	200.0	0.76
1	QUATREX	OILY RAGS	150.0	0.76

1	QUATREX	CONTAMINATED LINER	150.0	0.76
1	QUATREX	CONTAMINATED SOLID	350.0	0.76
1	QUATREX	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	250.0	0.76
CONTAINER NO. 628738-5				
1	OVERSIZE	WASTE OIL	250	0.36
28	DRUM	CONTAMINATED WATER	5600	5.74
6	OVERSIZE	OIL FILTER	1500	2.16
2	OVERSIZE	CONTAMINATED SOLID (HOSES)	500	1.5
1	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C.	200	0.205
1	QUATREX	ASH FROM BURNING PROCESS	200	0.76
CONTAINER NO. DLMU 723214-7				
12	QUATREX	CONTAMINATED SOLID	3 000.0	9.88
3	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	600.0	2.28
1	QUATREX	GREASE/ANTI-FREEZE	400.0	0.76
1	QUATREX	CONTAMINATED OILY SOLID (OWS FILTER)	400.0	0.76
1	QUATREX	CONTAMINATED SOLID (HOSES)	250.0	0.76
CONTAINER NO. 734148				
2	OVERSIZE	WASTE OIL	500	1.5
3	TOTE	WASTE OIL	2700	3
1	QUATREX	CONTAMINATED SOLID (HOSES)	250	0.76
3	OVERSIZE	CONTAMINATED SOLID (HOSES)	600	1.08
2	DRUM	CONTAMINATED SOLID (HOSES)	150	0.41
2	QUATREX	CONTAMINATED OILY SOLID (PAILS)	100	1.5
10	DRUM	WASTE OIL	2000	2.05
1	OVERSIZE	CONTAMINATED WATER	250	0.36
1	OVERSIZE	OIL FILTER	250	0.36
1	DRUM	FOAM (NOT TDG REGULATED)	200	0.2
1	QUATREX	FOAM (NOT TDG REGULATED)	350	0.76
1	DRUM	COOLANT	200	0.2
1	QUATREX	PAINT RELATED MATERIAL, UN 1263, CLASS 3, PG II, F.P. 38°c. C.C.	200	0.76
1	OVERSIZE	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C.	250	0.36
1	QUATREX	CONTAMINATED SOLID (DEBRIS & SNOW)	200	0.76
1	OVERSIZE	CONTAMINATED SOLID	250	0.36
CONTAINER NO. 809682				
1	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	600.0	0.76

1	QUATREX	KITCHEN GREASE	250.0	0.76
7	QUATREX	CONTAMINATED SOLID	250.0	1750
1	QUATREX	CONTAMINATED SOLID (HOSES)	800.0	1.6
3	TOTE	WASTE OIL	2 700.0	2.28
1	QUATREX	CONTAMINATED LINER	70.0	0.76
2	OVERSIZE	OIL FILTER	500.0	1.5
1	OVERSIZE	CONTAMINATED SOLID (HOSES)	250.0	0.36
1	QUATREX	CONTAMINATED JAR	250.0	0.76
1	DRUM	CONTAMINATED WATER	200.0	0.2
CONTAINER NO. 865 984-8				
4	QUATREX	ASH FROM BURNING PROCESS	1200	3.04
6	QUATREX	CONTAMINATED SOLID (HOSES)	1500	4.56
1	QUATREX	GREASE/ANTI-FREEZE	400	0.76
4	QUATREX	CONTAMINATED SOLID	1000	3.04
2	TOTE	WASTE OIL	1800	2

Prepared by : Benoit Dion Baffinland Iron Mines *Location :* Milne Inlet *Date : 10-01-2014*

IMDG DECLARATION

Shipper/consignor BAFFINLAND IRON MINES MARY RIVER PROJECT MILNE INLET, NUNAVUT	Reference number(s) # JP46340-8 Page 1 of 2 Pages
Consignee PORT OF SAINTE-CATHERINE 6565 boul. Hébert, Ste-Catherine QC, J5C 1B5	Carrier NSSI 6565 boul. Hébert, Ste-Catherine QC, J5C 1B5
CONTAINER/VEHICLE PACKING CERTIFICATE **DECLARATION** It is declared that the packing of the goods into the container/vehicle has been carried out in accordance with the applicable provisions. **TO BE COMPLETED FOR SHIPMENTS IN CONTAINERS OR VEHICLES** Container/Vehicle #:	Name/status, company/organization of signatory BENOIT DION, QE for BIM Place and date Milne Inlet, Nu Signature on behalf of packer
Vessel No. and Date Port of loading Milne Inlet Port of discharge Ste-Catherine	(Reserved for text instructions or other matter)

No. & Kind of Packages	DESCRIPTION OF GOODS (UN Number, PSN, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY Gross mass (kg)	Net mass (kg)	Cube (m^3)
	See Attached Annex			

Additional Information / Seal Number(s):

Emergency Telephone No. / 24-Hour Number:

SHIPPER'S DECLARATION I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.	Name/status of declarant Benoit Dion, QE for BIM Place and date Milne Inlet Signature on behalf of shipper

ANNEXE IMO DECLARATION REFERENCE : JP 46340-8

Rév: 08-12-2014

No. & Kind of packages		DESCRIPTION OF GOODS (UN Number, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY	
			Gross mass(kg)	Cube (m^3)
1	QUATREX	HC CONTAMINATED SOLID (HOSES)	250	0.8
13	SALVAGE	HC CONTAMINATED SOLID (HOSES)	2 600	4.7
2	QUATREX	WATER TREATMENT JAR	500	1.52
3	QUATREX	POLYMER, GREASE. ANTI-FREEZE	800	1.5
2	QUATREX	WASTE, BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8 P.G. III	1 200	1.5
3	QUATREX	COMPUTER ELECTRONIC PARTS	600	2.3
2	QUATREX	USED ACTIVATED CARBON	1 200	1.52
8	QUATREX	ASH FROM BURNING PROCESS	2 400	6.08
7	SALVAGE	ASH FROM BURNING PROCESS	1 400	2.52
1	SALVAGE	BATTERIES, DRY. CONTAINING POTASSIUM HYDROXIDE, SOLID, UN 3028, CLASS 8, P.G. 111	250	0.36
21	TOTE	WASTE OIL	21 000	21
15	TOTE	HYDROCARBON CONTAMINATED WATER	15 000.0	15
9	SALVAGE	OIL FILTER	1 800.0	3.24
2	QUATREX	AEROSOLS, UN 1950, CLASS 2.1	500.0	1.52

Prepared by : Benoit Dion Baffinland Iron Mines *Location :* Milne Inlet *Date :*

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

JP46340-8

1/2

A Generator / consignor / Producteur / expéditeur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: NUG 1000023

Company name / Nom de l'entreprise: BAFFINLAND IRON MINES - MARY RIVER

Mailing address / Adresse postale: 2775 Upper Middle road, City / Ville: Oak, Province: Ont, Postal code / Code postal: L6H0C3

E-mail / Courriel électronique: jim.millard@baffinland.com Tel. No. / N° de tél.: 416 364 8820

Shipping site address / Adresse du lieu de l'expédition: Milne Inlet site

City / Ville: Milne Inlet, Province: Nu, Postal code / Code postal: X0A 0H0

Intended Receiver / consignee / Réceptionnaire / destinataire prévu: SOLVA-REC

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 116 584 3575

Mailing address / Adresse postale: 795 Lemian Boulevard, City / Ville: Dorval, Province: Qc, Postal code / Code postal: J9X 3B5

E-mail / Courriel électronique: Tel. No. / N° de tél.: 450 347 3008

Receiving site address / Adresse du lieu de l'expédition: SAME

City / Ville: Province: Postal code / Code postal:

B Carrier / Transporteur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: NUC 200002

Company name / Nom de l'entreprise: Nunavut Sealift and Supply (NSSI)

Mailing address / Adresse postale: 6565 boul. Hébert, City / Ville: Ste-Catherine, Province: Qc, Postal code / Code postal: J5C 1B5

E-mail / Courriel électronique: daniel.desgagnes@transportdesgagnes.com Tel. No. / N° de tél.: 450 635 0833

Vehicle / Véhicule	Registration No. / N° d'immatriculation	Prov.
Trailer - Rail car No. 1 / 1re remorque - wagon		
Trailer - Rail car No. 2 / 2e remorque - wagon		

Port of entry / Point d'entrée: International use only

Port of exit / Point de sortie: International use only

Carrier Certification: I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.
Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie): Tel. No. / N° de tél.: 450 635 0833

Year / Année | Month / Mois | Day / Jour | Signature:

Reference No. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés: QE14-246

C Receiver / consignee / Réceptionnaire / destinataire

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 116 584 3575

Receiver / consignee information same as in Part A / Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A: ☒ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise:

Mailing address / Adresse postale:

City / Ville: Province: Postal code / Code postal:

E-mail / Courriel électronique: Tel. No. / N° de tél.:

Receiving site address / Adresse du lieu de destination:

Date received / Date de réception: Year / Année 14 | Month / Mois 10 | Day / Jour 06 | Time / Heure ☐ A.M. ☐ P.M.

If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire

Registration No. / Provincial ID No. / N° d'immatriculation / d'id provincial

Prov. code / Code prov.	Shipping name / Appellation réglementaire	Class / Classe Sub. class(es) / Classe(s) sub.	UN No. / N° NU	Packing / risk gr. / Gr. d'emballage / de risque	Quantity shipped / Quantité expédiée	Units / L or / ou Kg / Unités	Packaging / Contenant No. / N°	Codes int.-ext.	Phys. state / État phys.
(i)	See attached Annex								
(ii)									
(iii)									
(iv)									

Quantity received / Quantité reçue	Units / L or / ou Kg / Unités	Comments / Commentaires	Handling Code / Code de manutention	Shipment / Envoi Accepted / Accepté	Refused / Refusé	Decont. Pack. Cont.	Veh. Véh.
See comments			01	X			

Notice No. / N° de notification	Notice Line No. / N° de ligne de la notification	Shipment Envoi	Off / De	D or R code / Code E ou R	C code / Code C	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE	H code / Code H	Y code / Code Y	National code in country of / Code du pays: Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes
(i)											
(ii)											
(iii)											
(iv)											

International use only

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier)

Receiver / consignee certification: I certify that the information contained in Part C is correct and complete.
Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): ERIC BENOIT

Signature: Tel. No. / N° de tél.: 450 347 3008

Special handling / Manutention spéciale: ☐ Attached / Ci-joint ☐ As follows / Ci-contre :

Generator / consignor certification: I certify that the information contained in Part A is correct and complete.
Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): BÉNOIT DION

Signature: Tel. No. / N° de tél.: 450 466 2123

Date shipped / Date d'expédition: Year / Année | Month / Mois | Day / Jour | Time / Heure ☐ A.M. ☐ P.M.

Scheduled arrival date / Date d'arrivée prévue: Year / Année | Month / Mois | Day / Jour

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 1 (white / blanche)

ANNEX MOVEMENT DOCUMENT : JP 46340-8

RÉV : 08-12-2014

Line	Prov. code	SHIPPING NAME	Class	UN	PG	QUANTITY Gross mass(kg)	No.	Type (packaging)	Physical state
a.	L03	HC CONTAMINATED SOLID (HOSES)	-	-	-	250	1	5	S
b.	L03	HC CONTAMINATED SOLID (HOSES)	-	-	-	2 600	13	1	S
c.	N-A	WATER TREATMENT JAR	-	-	-	500	2	5	S
d.	A04	POLYMER, GREASE. ANTI-FREEZE	-	-	-	800	3	5	S
e.	E15	WASTE, BATTERIES, WET, FILLED WITH ACID	8	UN 2794	III	1 200	2	5	S
f.	N-A	COMPUTER ELECTRONIC PARTS	-	-	-	600	3	5	S
g.	B05	USED ACTIVATED CARBON	-	-	-	1 200	2	5	S
h.	E08	ASH FROM BURNING PROCESS	-	-	-	2 400	8	5	S
i.	E08	ASH FROM BURNING PROCESS	-	-	-	1 400	7	1	S
j.	E15	BATTERIES, DRY. CONTAINING POTASSIUM HYDROXIDE,SOLID	8	UN 3028	III	250	1	1	S
k.	A01	WASTE OIL	-	-	-	21 000	21	2	L
l.	A05	OIL FILTER	-	-	-	1 800.0	9	1	S
m.	A03	HYDROCARBON CONTAMINATED WATER	-	-	-	15 000.0	15	2	L
n.	L02	WASTE, AEROSOL, FLAMMABLE	2.1	UN 1950	-	500.0	2	5	S

IMDG DECLARATION

Shipper/consignor Baffinland Iron Mines 2275 Upper Middle Road Oakville, Ontario, L6H 0C3 via: Milne Inlet, Nunavut	Reference number(s) Page 1 of 2 Pages
Consignee Port of Valleyfield (via) Solva-Rec Env. Lucien-Beaudin, St-Jean QC, J2X 5M3	Carrier NSSI 6565 Boul. Hébert, Ste-Catherine, QC J5C 1B5
CONTAINER/VEHICLE PACKING CERTIFICATE **DECLARATION** It is declared that the packing of the goods into the container/vehicle has been carried out in accordance with the applicable provisions. **TO BE COMPLETED FOR SHIPMENTS IN CONTAINERS OR VEHICLES** Container/Vehicle #:	Name/status, company/organization of signatory QE for Baffinland Iron Mines Place and date Mtl, Sept. 9th 2014 Signature on behalf of packer (Reserved for text, instructions or other matter)
Vessel No. and Date Port of loading Claude Desgagnés Milne Inlet, Nu Port of discharge Valleyfield	

No. & Kind of Packages	DESCRIPTION OF GOODS (UN Number, PSN, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY Gross mass (kg)	Net mass (kg)	Cube (m^3)
	SEE ATTACHED ANNEX			

Additional Information / Seal Number(s):

Emergency Telephone No. / 24-Hour Number: (450) 466 2173

SHIPPER'S DECLARATION

I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations.

Name/status of declarant: BENOIT DION, QE for BIM

Place and date: Montreal, September 9th 2014

Signature on behalf of shipper

ANNEXE IMO DECLARATION REFERENCE : JP 48553-4

Rév: 09-09-2014

No. & Kind of packages		DESCRIPTION OF GOODS (UN Number, Hazard Class, Packing Group, Flash Point, Marine Pollutant)	QUANTITY	
			Gross mass(kg)	Cube (m^3)
CONTAINER NO. 220 7710 / BH 1990				
1	DRUM	HC CONTAMINATED WATER	1 800	1.9
3	DRUM	ANTI-FREEZE	600	0.6
6	DRUM	WASTE OIL	1 200	1.2
4	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C.	800	0.8
2	DRUM	HYDROCARBON CONTAMINATED SOLID	500	1.5
CONTAINER NO. 309 3885 / BH 1902				
12	DRUM	HC CONTAMINATED WATER	2 400.0	2.4
2	DRUM	ANTI-FREEZE	400.0	0.4
2	DRUM	WASTE OIL	400.0	0.4
1	QUATREX	HYDROCARBON CONTAMINATED SOLID	250.0	0.76
CONTAINER NO. 273 0801 / BH-1899				
12	DRUM	HC CONTAMINATED WATER	2 400.0	2.4
3	DRUM	HYDROCARBON CONTAMINATED SOLID	600.0	0.6
1	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	250.0	0.76
2	QUATREX	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	700.0	1.52
1	DRUM	ANTI-FREEZE	200.0	0.2
CONTAINER NO. 0336 355 / BH-1898				
2	QUATREX	HYDROCARBON CONTAMINATED SOLID	500.0	1.52
2	QUATREX	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	700.0	1.52
1	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C.	200.0	0.2
8	DRUM	WASTE OIL	1 600.0	1.6
1	SALVAGE	WASTE OIL	360.0	0.36
1	TOTE	WASTE OIL	950.0	1
1	SALVAGE	OIL FILTER	150.0	0.36
CONTAINER NO. 739 3465 / BH 1905				
5	TOTE	WASTE OIL	4 500.0	5
3	QUATREX	HYDROCARBON CONTAMINATED SOLID	500.0	1.52

CONTAINER NO. 284 8775 / BH-1906				
8	TOTE	WASTE OIL	7 500.0	8
CONTAINER NO. 322 5606 / BH-1907				
8	TOTE	WASTE OIL	7 500.0	8
CONTAINER NO. 877 608-1 / BH-1915				
18	TOTE	WASTE OIL	17 000.0	18
CONTAINER NO. 879 599-1 / BH-1916				
10	TOTE	WASTE OIL	9 500.0	10
4	DRUM	WASTE OIL	400.0	0.4
2	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	500.0	1.52
4	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	800.0	1.6
6	DRUM	ANTI-FREEZE	1 200.0	1.2
6	DRUM	HC CONTAMINATED WATER	1 200.0	1.2
4	DRUM	AVIATION GASOLINE (JET A), UN 1863, CLASS 3 PG II, F.P. -27°c. C.C.	800.0	0.8
2	SALVAGE	OIL FILTER	250.0	0.72
CONTAINER NO. 878 227-4 / BH-1923				
2	DRUM	HYDROCARBON CONTAMINATED SOLID	400	0.4
6	DRUM	WASTE OIL	1200	1.2
4	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C.	800	0.8
1	SALVAGE	HYDROCARBON CONTAMINATED SOLID (HOSES)	250	0.36
1	SALVAGE	OIL FILTER	200	0.36
CONTAINER NO. 897 574 / BH-1929				
1	SALVAGE	HYDROCARBON CONTAMINATED SOLID	250	0.36
5	QUATREX	HYDROCARBON CONTAMINATED SOLID	1250	3.5
1	SALVAGE	OIL FILTER	200	0.36
2	DRUM	WASTE GASOLINE, UN 1203, CLASS 3, PG II, F.P. -39°c. C.C.	400	0.4
5	QUATREX	ASH FROM BURNING PROCESS	1 000.0	3.5
3	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	1 500.0	2.1
1	QUATREX	POLYMER, GREASE, ANTI-FREEZE	250.0	0.76
1	QUATREX	OWS FILTER	500.0	0.76
1	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	250.0	0.76
1	QUATREX	WATER TREATMENT JAR	250.0	0.76
CONTAINER NO. 879 214-3 / BH-1920				
1	QUATREX	KITCHEN GREASE	250.0	0.76
2	QUATREX	HOUSE HOLD PRODUCT, Not TDG Regulated	500.0	1.52
12	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	3 000.0	9.12

1	QUATREX	HYDROCARBON CONTAMINATED SOLID (HOSES)	250.0	0.76
4	TOTE	WASTE OIL	3 500.0	4
CONTAINER NO. 879 214-3 / BH-1920				
2	QUATREX	HOUSE HOLD PRODUCT, Not TDG Regulated	500.0	1.52
1	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	250.0	0.76
1	QUATREX	BENTONITE	500.0	0.76
1	QUATREX	HYDROCARBON CONTAMINATED SOLID	250.0	0.76
2	QUATREX	HYDROCARBON CONTAMINATED SOIL	2 000.0	1.52
CONTAINER NO. 737432-0 / BH-1919				
3	QUATREX	KITCHEN GREASE	500.0	1.52
3	QUATREX	ASH FROM BURNING PROCESS	750.0	2.1
2	QUATREX	HYDROCARBON CONTAMINATED SOLID	500.0	1.52
CONTAINER NO. 233 438-8 / BH-1917				
7	QUATREX	KITCHEN GREASE	1 500.0	1.4
1	QUATREX	HYDROCARBON CONTAMINATED SOLID (PAILS)	250.0	0.76
CONTAINER NO. 290 588-9 / BH-1918				
5	QUATREX	KITCHEN GREASE	1 250.0	3.5
3	QUATREX	HYDROCARBON CONTAMINATED SOLID	750.0	2.1
CONTAINER NO. 122 970-8				
3	QUATREX	HYDROCARBON CONTAMINATED SOLID	750.0	2.1
2	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	1 000.0	1.52
5	QUATREX	ASH FROM BURNING PROCESS	1 250.0	3.5
30	DRUM	AVIATION GASOLINE (JET A), UN 1863, CLASS 3 PG II, F.P. -27°c. C.C.	6 000.0	6
CONTAINER NO. 285 8325 / BH 1900				
6	QUATREX	HYDROCARBON CONTAMINATED SOLID	1 250.0	1.2
4	DRUM	WASTE OIL	800.0	0.8
1	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	500.0	0.76
CONTAINER NO. 238 2529 / BH 1903				
6	TOTE	WASTE OIL	5 500.0	6
4	DRUM	HC CONTAMINATED WATER	800.0	0.8
CONTAINER NO. 294 2637 / BH 1897				
6	QUATREX	HYDROCARBON CONTAMINATED SOLID	1 250.0	4.2
2	TOTE	WASTE OIL	1 800.0	2
CONTAINER NO. 294 2637 / BH 1897				
2	DRUM	FUEL, UN 1202, CLASS 3, PG II, F.P. 39° C C.C. (IN UN CERTIFIED PAILS)	400.0	0.4
3	DRUM	HC CONTAMINATED WATER	600.0	0.6

1	QUATREX	HC CONTAMINATED WATER (IN PAILS)	500.0	0.76
1	DRUM	HYDROCARBON CONTAMINATED SOLID	200.0	0.2
3	QUATREX	HYDROCARBON CONTAMINATED SOLID	750.0	2.1
1	DRUM	ANTI-FREEZE	200.0	0.2
1	QUATREX	BATTERIES, WET, FILLED WITH ACID, UN 2794, CLASS 8, PG II	500.0	0.76

Prepared by : Benoit Dion Baffinland Iron Mines *Location :* Milne Inlet *Date : 09-09-2014*

APPENDIX D

CERTIFICATES OF RECYCLING

APPENDIX D

CERTIFICATES OF RECYCLING

Solva-Rec Environnement

Date
24/10/2014
Certificat de traitement
020112

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Batterie au plomb	E15-8.0-S	1,00	QUATREX	514,00
Absorbant contaminé huileux	L03-0.0-S	13,00	QUATREX	5 270,00
Huile végétale	D02-0.0-L	5,00	QUATREX	1 390,00
Absorbant cont. huileux	L03-0.0-S	3,00	BARIL205	417,00
Eaux huileuses et émulsions	A03-0.0-L	2,00	BARIL205	341,00
Absorbant cont. huileux	L03-0.0-S	1,00	UNITE	128,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 24/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
11/11/2014
Certificat de traitement
020389

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	3,00	QUATREX	544,00
Eaux huileuses et émulsions	A03-0.0-L	2,00	TOTE	2 003,00
Huile végétale	D02-0.0-L	2,00	QUATREX	259,00
Équip. cont.	L01-0.0-S	1,00	QUATREX	92,00
Mat. dang. sol. cont.	M07-0.0-S	4,00	QUATREX	1 670,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	TOTE	1 195,00
Mat. dang. gazeuse tox.	M07-2.3-G	20,00	UNITE	104,00
Boue org. de produits pétroliers	B04-0.0-P	3,00	OVER-SIZE	586,00
Graisse usée	A04-0.0-P	12,00	BARIL60L	155,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

11/11/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
18/11/2014
Certificat de traitement
020508

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	4,00	QUATREX	821,00
Liq. org.	D02-0.0-L	1,00	BARIL205	188,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 18/11/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
13/11/2014
Certificat de traitement
020427

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Aérosols infl.	M07-2.1-G	1,00	QUATREX	61,00
Absorbant contaminé huileux	L03-0.0-S	8,00	QUATREX	1 605,00
Équip. cont.	L01-0.0-S	3,00	QUATREX	336,00
Cendre sol. inorg.	E08-0.0-S	1,00	BARIL205	100,00
Filtres & mat. filtrantes	E12-0.0-S	1,00	QUATREX	158,00
Équip. cont.	L01-0.0-S	2,00	QUATREX	173,00
LP mat. apparentées aux peintures	K03-3.0-L	6,00	QUATREX	2 145,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

13/11/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
17/11/2014
Certificat de traitement
020475

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Diesel	C02-3.0-L	2,00	BARIL205	408,00
Essence	D03-3.0-L	7,00	BARIL205	1 439,00
Eaux huileuses et émulsions	A03-0.0-L	6,00	BARIL205	1 241,00
Équip. cont.	L01-0.0-S	2,00	OVER-SIZE	340,00
Filtre à huile	A05-0.0-S	2,00	OVER-SIZE	262,00
Diesel	C02-3.0-L	4,00	OVER-SIZE	858,00
Graisse usée	A04-0.0-P	1,00	BARIL135	12,00
Liq. org.	D02-0.0-L	1,00	OVER-SIZE	276,00
Huile usée -10%	A01-0.0-L	4,00	BARIL205	900,00
Huile usée -10%	A01-0.0-L	1,00	OVER-SIZE	216,00
Huile végétale	D02-0.0-L	1,00	OVER-SIZE	116,00
Carburéacteur	D03-3.0-L	28,00	BARIL205	5 927,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 17/11/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
14/11/2014
Certificat de traitement
020461

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Essence	D03-3.0-L	1,00	BARIL205	168,00
Boue org. de produits pétroliers	B04-0.0-P	1,00	TOTE	656,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	BARIL205	194,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	TOTE	837,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	TOTE	1 153,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	TOTE	436,00
Huile usée -10%	A01-0.0-L	3,00	BARIL205	610,00
Huile usée -10%	A01-0.0-L	13,00	TOTE	11 273,00
Carburéacteur	D03-3.0-L	9,00	BARIL205	1 897,00
Filtre à huile	A05-0.0-S	2,00	OVER-SIZE	286,00
Filtres & mat. filtrantes	E12-0.0-S	1,00	QUATREX	77,00
Équip. cont.	L01-0.0-S	1,00	TOTE	189,00
LP mat. apparentées aux peintures	K03-3.0-L	1,00	QUATREX	286,00
Sol. inorg.	E22-0.0-S	8,00	BARIL205	418,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

14/11/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
10/11/2014
Certificat de traitement
020376

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax.*

Description du produit	Code	Qte	Format	Poids KG
Aérosols infl.	M07-2.1-G	1,00	QUATREX	109,00
Absorbant contaminé huileux	L03-0.0-S	5,00	QUATREX	1 092,00
Équip. cont.	L01-0.0-S	1,00	QUATREX	117,00
Équip. cont.	L01-0.0-S	2,00	QUATREX	175,00
Huile végétale	D02-0.0-L	4,00	QUATREX	1 146,00
Huile usée -10%	A01-0.0-L	2,00	TOTE	1 754,00
Filtres & mat. filtrantes	E12-0.0-S	2,00	QUATREX	351,00
LP mat. apparentées aux peintures	K03-3.0-L	2,00	QUATREX	315,00
Mat. dang. gazeuse tox.	M07-2.3-G	20,00	UNITE	116,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date 10/11/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
12/11/2014
Certificat de traitement
020414

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Aérosols infl.	M07-2.1-G	2,00	OVER-SIZE	128,00
Glycol et eau (+30%)	D01-0.0-L	1,00	BARIL205	231,00
Glycol et eau (+30%)	D01-0.0-L	1,00	OVER-SIZE	212,00
Batterie au plomb	E15-8.0-S	2,00	QUATREX	953,00
Absorbant contaminé huileux	L03-0.0-S	5,00	QUATREX	964,00
Absorbant cont. huileux	L03-0.0-S	1,00	OVER-SIZE	98,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	BARIL205	178,00
Huile usée -10%	A01-0.0-L	3,00	OVER-SIZE	787,00
Huile usée -10%	A01-0.0-L	1,00	TOTE	842,00
Équip. cont.	L01-0.0-S	1,00	OVER-SIZE	191,00
Équip. cont.	L01-0.0-S	1,00	QUATREX	153,00
Mat. dang. sol. cont.	M07-0.0-S	10,00	QUATREX	8 412,00
Boue org. de produits pétroliers	B04-0.0-P	1,00	TOTE	634,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

12/11/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
10/11/2014
Certificat de traitement
020381

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Batterie au plomb	E15-8.0-S	1,00	QUATREX	248,00
Filtre à huile	A05-0.0-S	1,00	QUATREX	167,00
Mat. non dang. sol	O02-0.0-S	15,00	QUATREX	6 538,00
Nitrate d'ammonium	E22-5.1-S	1,00	QUATREX	206,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 10/11/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
06/10/2014
Certificat de traitement
019818

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Liq. org.	D02-0.0-L	1,00	BARIL205	34,00
Diesel	C02-3.0-L	4,00	BARIL205	774,00
Glycol et eau	D01-0.0-L	2,00	BARIL205	385,00
Absorbant cont. huileux	L03-0.0-S	1,00	OVER-SIZE	196,00
Eaux huileuses et émulsions	A03-0.0-L	9,00	BARIL205	1 829,00
Huile usée -10%	A01-0.0-L	6,00	BARIL205	1 123,00
Filtre à huile	A05-0.0-S	1,00	OVER-SIZE	106,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

06/10/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
06/10/2014
Certificat de traitement
019820

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Diesel	C02-3.0-L	2,00	BARIL205	298,00
Glycol et eau	D01-0.0-L	1,00	BARIL205	186,00
Absorbant cont. huileux	L03-0.0-S	2,00	OVER-SIZE	515,00
Eaux huileuses et émulsions	A03-0.0-L	12,00	BARIL205	2 569,00
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	573,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

06/10/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
06/10/2014
Certificat de traitement
019822

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	527,00
Huile usée -10%	A01-0.0-L	6,00	TOTE	5 806,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTES Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 06/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
06/10/2014
Certificat de traitement
019824

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0.0-L	8,00	TOTE	7 329,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 06/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 Fax (450) 347-1270 www.solva-rec.com

solva Rec Environnement

Date
06/10/2014
Certificat de traitement
019829

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Eaux huileuses et émulsions	A03-0.0-L	4,00	BARIL205	777,00
Huile usée -10%	A01-0.0-L	6,00	TOTE	5 336,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 06/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
07/10/2014
Certificat de traitement
019834

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	3,00	QUATREX	263,00
Huile végétale	D02-0.0-L	5,00	QUATREX	1 428,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 07/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
07/10/2014
Certificat de traitement
019835

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Batterie au plomb	E15-8.0-S	1,00	QUATREX	626,00
Absorbant contaminé huileux	L03-0.0-S	6,00	QUATREX	904,00
Huile usée -10%	A01-0.0-L	4,00	BARIL205	763,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 07/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
08/10/2014
Certificat de traitement
019836

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	330,00
Huile végétale	D02-0.0-L	6,00	QUATREX	1 861,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

08/10/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
08/10/2014
Certificat de traitement
019837

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	417,00
Huile végétale	D02-0.0-L	3,00	QUATREX	693,00
Cendre sol. inorg.	E08-0.0-S	3,00	QUATREX	1 024,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 08/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
06/10/2014
Certificat de traitement
019821

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Diesel	C02-3.0-L	2,00	BARIL205	410,00
Essence	D03-3.0-L	1,00	BARIL205	84,00
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	353,00
Huile usée -10%	A01-0.0-L	8,00	BARIL205	1 661,00
Huile usée -10%	A01-0.0-L	1,00	OVER-SIZE	254,00
Huile usée -10%	A01-0.0-L	1,00	TOTE	1 010,00
Filtre à huile	A05-0.0-S	4,00	OVER-SIZE	469,00
Liq. infl.	C02-3.0-L	1,00	OVER-SIZE	247,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

06/10/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
09/10/2014
Certificat de traitement
019884

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0.0-L	16,00	TOTE	16 611,00
Eaux huileuses et émulsions	A03-0.0-L	6,00	TOTE	5 479,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 09/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
09/10/2014
Certificat de traitement
019823

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0.0-L	8,00	TOTE	7 642,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

09/10/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
08/10/2014
Certificat de traitement
019865

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0.0-L	22,00	TOTE	20 140,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 08/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
09/10/2014
Certificat de traitement
019819

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Glycol et eau	D01-0.0-L	1,00	BARIL205	275,00
Absorbant contaminé huileux	L03-0.0-S	1,00	QUATREX	129,00
Huile usée -10%	A01-0.0-L	2,00	BARIL205	133,00
Eaux huileuses et émulsions	A03-0.0-L	12,00	BARIL205	2 630,00
Liq. org.	D02-0.0-L	1,00	BARIL205	31,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

09/10/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
08/10/2014
Certificat de traitement
019838

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Sol, inorg.	E22-0.0-S	1,00	QUATREX	690,00
Absorbant contaminé huileux	L03-0.0-S	2,00	QUATREX	2 894,00
LP NR	K03-0.0-S	5,00	QUATREX	671,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 08/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
09/10/2014
Certificat de traitement
019839

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0.0-L	2,00	TOTE	1 956,00
Absorbant contaminé huileux	L03-0.0-S	6,00	QUATREX	1 027,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

09/10/2014

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
07/10/2014
Certificat de traitement
019833

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Glycol et eau	D01-0.0-L	1,00	OVER-SIZE	331,00
Batterie au plomb	E15-8.0-S	1,00	QUATREX	289,00
Absorbant contaminé huileux	L03-0.0-S	3,00	QUATREX	896,00
Absorbant cont. huileux	L03-0.0-S	1,00	OVER-SIZE	286,00
Eaux huileuses et émulsions	A03-0.0-L	3,00	BARIL205	525,00
Liq. infl., N.S.A.	C02-3.0-L	1,00	BARIL205	113,00
Liq. infl.	C02-3.0-L	1,00	OVER-SIZE	160,00
Eaux huileuses et émulsions	A03-0.0-L	1,00	OVER-SIZE	268,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 07/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
07/10/2014
Certificat de traitement
019857

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Absorbant contaminé huileux	L03-0.0-S	20,00	QUATREX	3 780,00
Huile végétale	D02-0.0-L	2,00	QUATREX	492,00
LP NR	K03-0.0-S	3,00	QUATREX	1 092,00
LP NR	K03-0.0-S	5,00	QUATREX	702,00
Cendre sol. inorg.	E08-0.0-S	11,00	QUATREX	2 197,00
Filtres & mat. filtrantes	E12-0.0-S	1,00	QUATREX	226,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

07/10/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
10/10/2014
Certificat de traitement
019895

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10%	A01-0,0-L	4,00	TOTE	2 916,00
Eaux huileuses et émulsions	A03-0,0-L	20,00	TOTE	20 414,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 10/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva-Rec Environnement

Date
10/10/2014
Certificat de traitement
019899

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel. (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Aérosols infl.	M07-2.1-G	1,00	OVER-SIZE	60,00
Aérosols infl.	M07-2.1-G	2,00	QUATREX	292,00
Essence	D03-3.0-L	4,00	BARIL205	291,00
Batterie au plomb	E15-8.0-S	4,00	QUATREX	2 057,00
Absorbant cont. huileux	L03-0.0-S	22,00	OVER-SIZE	4 279,00
Huile usée -10%	A01-0.0-L	4,00	OVER-SIZE	720,00
Filtre à huile	A05-0.0-S	14,00	OVER-SIZE	2 661,00
Équipement informatique/électronique	L01-0.0-S	3,00	QUATREX	529,00
Sol. inorg.	E22-0.0-S	2,00	QUATREX	384,00
Cendre sol. inorg.	E08-0.0-S	7,00	OVER-SIZE	1 815,00
Piles alcalines	E16-8.0-S	155,00	KG	155,00
LP NR	K03-0.0-S	2,00	QUATREX	308,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste — Date: 10/10/2014

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

Solva Rec Environnement

Date
16/10/2014
Certificat de traitement
019968

Certificat de traitement des matières résiduelles dangereuses

Nom du client:
Baffinland Iron Mines - Mary River Proj.
Adresse:
2775, Upper Middle Road
Oakville, ON, CANADA
L6H 0C3

Tel.: (416) 364-8820 po *Fax:*

Description du produit	Code	Qte	Format	Poids KG
Cendre sol. inorg.	E08-0.0-S	2,00	OVER-SIZE	624,00
Diesel	C02-3.0-L	1,00	TOTE	632,00
Diesel	C02-3.0-L	4,00	BARIL205	765,00
Essence	D03-3.0-L	2,00	BARIL205	136,00
Glycol et eau	D01-0.0-L	7,00	BARIL205	1 546,00
Absorbant cont. huileux	L03-0.0-S	3,00	OVER-SIZE	563,00
Absorbant cont. huileux	L03-0.0-S	8,00	BARIL205	1 194,00
Eaux huileuses et émulsions	A03-0.0-L	5,00	BARIL205	1 016,00
Eaux huileuses et émulsions	A03-0.0-L	2,00	TOTE	2 042,00
Huile usée -10%	A01-0.0-L	14,00	BARIL205	2 647,00
Huile usée -10%	A01-0.0-L	1,00	TOTE	958,00
Filtre à huile	A05-0.0-S	1,00	BARIL205	127,00
Filtre à huile	A05-0.0-S	2,00	OVER-SIZE	437,00

Ce document certifie que les produits mentionné au bon de connaissement de Solva-Rec Environnement Inc. ci-haut mentionné ont été reçu et que la disposition de ces produits se fera selon les normes environnementales en vigueur pour le traitement des matières résiduelles dangereuses.

This document certifies that the products mentioned in the Solva-Rec Environnement Inc. bill of lading number listed above were receiving and disposed of in accordance with environmental laws now in effect for the treatment of dangerous residual materials.

CHIMISTE Sébastien Leclerc 2012-220 QUÉBEC

Éric Benoit, Chimiste / Sébastien Leclerc, Chimiste

16/10/2014
Date

795 rue Lucien-Beaudin, Saint Jean sur Richelieu, QC, Canada J2X 5M3
(450) 347-3008 (450) 347-1270 www.solva-rec.com

APPENDIX E.2

INCINERATOR ASH TESTING RESULTS 2014 (HISTORICAL AND CURRENT)

Baffinland

APPENDIX E.2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2014 QIA AND NWB ANNUAL REPORT
ANNUAL INVENTORY AND STATUS OF 2014 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
Non Sampled	0	0	N/A	~50	12.87	In containment
Landfill	92	23.68	Landfilled	13	3.35	Landfilled
Hazardous	1	0.26	Reburned	0	N/A	N/A
Total	93	23.94	N/A	63	16.22	N/A

2014 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
Non Evaluated	276	37.61	In containment	0	N/A	N/A
Landfill	119	16.22	Landfilled	179	24.39	In containment
Unidentifiable	10	1.36	In containment	6	0.82	In containment
Reburnable	12	1.64	In containment	71	9.68	In containment
Hazardous	8	1.09	In containment	95	12.95	In containment
Total	425	57.92	N/A	351	47.84	N/A

2014 QIA AND NWB ANNUAL REPORT
ANNUAL EXCEEDANCES OF HISTORICAL AND 2014 PRODUCED INCINERATOR ASH

Sample ID	Sample Date	Analyte	Minimum Detection Limit	Guideline	Result	Status
MRY-ASH-15	2014-04-07	Cr	0.01 mg/L	0.01 mg/L	5.35 mg/L	Reburned

Note: TCLP residual analysis tests were performed by Exova and ALS Laboratories and compared to Process Residuals Discharge Minimum (GN, 2011) to determine if ash was Landfill compliant. 2014 produced incinerator ash volume: 85 Gal per barrel *0.8, historically produced incinerator ash volume: 45 Gal per barrel *0.8. Volumes converted to m^3

EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1400237
Date Submitted: 2014-01-08
Date Reported: 2014-01-13
Project:
COC #: 776010

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

Exova (Ottawa) is certified and accredited for specific parameters by:
CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by:
SCC, Standards Council of Canada (to ISO 17025)

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only.

EXOVA OTTAWA

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1400237
Date Submitted: 2014-01-08
Date Reported: 2014-01-13
Project:
COC #: 776010

				Lab I.D.	1081279	1081280	1081281	1081282
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2013-12-03	2013-12-11	2013-12-29	2013-12-27
				Sample I.D.	MP-ASH-1	MP-ASH-2	MP-ASH-3	MP-ASH-4
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		<0.1	<0.1	<0.1	<0.1
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L	LQC-5	<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L	LQC-2.5	<0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L	LQC-100.0	0.2	0.5	0.5	2.7
	Cd	0.001	mg/L	LQC-0.5	<0.001	<0.001	<0.001	<0.001
	Cr	0.5	mg/L	LQC-5.0	<0.5		<0.5	<0.5
		1	mg/L	LQC-5.0		<1		
	Pb	0.01	mg/L	LQC-5.0	<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L	LQC-1.0	<0.01			
		0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1
	Zn	0.1	mg/L		<0.1	<0.1	<0.1	<0.1

				Lab I.D.	1081283	1081284	1081285
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type			
				Sampling Date	2013-12-27	2013-12-29	2013-12-31
				Sample I.D.	MP-ASH-5	MP-ASH-6	MP-ASH-7
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
General Chemistry	Moisture	0.1	%		<0.1	<0.1	<0.1
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L	LQC-5	<0.001	<0.001	<0.001
	As	0.01	mg/L	LQC-2.5	<0.01	<0.01	<0.01
	Ba	0.1	mg/L	LQC-100.0	2.0	1.4	0.5
	Cd	0.001	mg/L	LQC-0.5	<0.001	<0.001	0.053
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1

Guideline = REG 558 *** = Guideline Exceedence**
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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1400237
Date Submitted: 2014-01-08
Date Reported: 2014-01-13
Project:
COC #: 776010

				Lab I.D.	1081283	1081284	1081285
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type			
				Sampling Date	2013-12-27	2013-12-29	2013-12-31
				Sample I.D.	MP-ASH-5	MP-ASH-6	MP-ASH-7
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
Metals	Cr	0.5	mg/L	LQC-5.0	<0.5		
	Pb	0.01	mg/L	LQC-5.0	<0.01	<0.01	<0.01
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1
	Zn	0.1	mg/L		<0.1	<0.1	<0.1

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EXOVA OTTAWA

Certificate of Analysis

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#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1400237
Date Submitted: 2014-01-08
Date Reported: 2014-01-13
Project:
COC #: 776010

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 263558 **Analysis Date** 2014-01-09 **Method** C SM2540B			
Moisture			80-120
Run No 263612 **Analysis Date** 2014-01-10 **Method** EPA 200.8			
Ag	<0.001 mg/L	96	89-111
As	<0.01 mg/L	95	81-119
Ba	<0.1 mg/L	96	91-109
Cd	<0.001 mg/L	96	86-114
Cr	<0.5 mg/L	95	89-111
Pb	<0.01 mg/L	99	89-111
Se	<0.01 mg/L	102	77-123
Zn	<0.1 mg/L	94	89-111
Run No 263616 **Analysis Date** 2014-01-10 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	99	70-130

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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1401767
Date Submitted: 2014-01-31
Date Reported: 2014-02-07
Project:
COC #: 776031

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1401767
Date Submitted: 2014-01-31
Date Reported: 2014-02-07
Project:
COC #: 776031

				Lab I.D.	1085197	1085198	1085199
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type			
				Sampling Date	2014-01-28	2014-01-28	2014-01-28
				Sample I.D.	MP-ASH-8	MP-ASH-9	MP-ASH-10
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
General Chemistry	Moisture	0.1	%		0.9	0.3	0.2
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L	LQC-5	<0.001	<0.001	<0.001
	As	0.01	mg/L	LQC-2.5	<0.01	<0.01	<0.01
	Ba	0.1	mg/L	LQC-100.0	1.3	2.7	0.8
	Cd	0.001	mg/L	LQC-0.5	<0.001	<0.001	<0.001
	Cr	1	mg/L	LQC-5.0	<1	<1	<1
	Pb	0.01	mg/L	LQC-5.0	<0.01	<0.01	<0.01
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1
	Zn	0.1	mg/L		<0.1	<0.1	<0.1

Guideline = REG 558 *** = Guideline Exceedence**
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EXOVA OTTAWA

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1401767
Date Submitted: 2014-01-31
Date Reported: 2014-02-07
Project:
COC #: 776031

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 264588 **Analysis Date** 2014-02-06 **Method** C SM2540B			
Moisture			80-120
Run No 264649 **Analysis Date** 2014-02-07 **Method** EPA 200.8			
Ag	<0.001 mg/L	102	89-111
As	<0.01 mg/L	105	81-119
Ba	<0.1 mg/L	103	91-109
Cd	<0.001 mg/L	98	86-114
Cr	<1 mg/L	102	89-111
Pb	<0.01 mg/L	101	89-111
Se	<0.1 mg/L	105	77-123
Zn	<0.1 mg/L	101	89-111
Run No 264656 **Analysis Date** 2014-02-07 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	105	70-130

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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1409301
Date Submitted: 2014-05-21
Date Reported: 2014-05-27
Project:
COC #: 776134

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1409301
Date Submitted: 2014-05-21
Date Reported: 2014-05-27
Project:
COC #: 776134

				Lab I.D.	1104720	1104721	1104722
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type	-	-	-
				Sampling Date	2014-04-14	2014-04-28	2014-04-28
				Sample I.D.	MP-ASH-22	MP-ASH-23	MP-ASH-24
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
General Chemistry	Moisture	0.1	%		0.3	0.2	0.2
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.9	2.3	0.8
	Cd	0.001	mg/L		<0.001	<0.001	<0.001
	Cr	0.01	mg/L		0.22	0.66	0.22
	Pb	0.01	mg/L		0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	0.02
	Zn	0.1	mg/L		<0.1	<0.1	<0.1

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EXOVA OTTAWA

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Exova

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#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1409301
Date Submitted: 2014-05-21
Date Reported: 2014-05-27
Project:
COC #: 776134

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 269628 **Analysis Date** 2014-05-23 **Method** C SM2540B			
Moisture			80-120
Run No 269737 **Analysis Date** 2014-05-26 **Method** EPA 200.8			
Ag	<0.001 mg/L	102	94-106
As	<0.01 mg/L	100	93-106
Ba	<0.1 mg/L	104	91-109
Cd	<0.001 mg/L	100	93-107
Cr	<0.01 mg/L	104	94-106
Pb	<0.01 mg/L	107	70-130
Se	<0.01 mg/L	103	91-108
Zn	<0.1 mg/L	102	94-106
Run No 269755 **Analysis Date** 2014-05-26 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	90	70-130

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

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EXOVA OTTAWA

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

				Lab I.D.	1117824	1117825	1117826	1117827
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-1	MRY-ASH-2	MRY-ASH-3	MRY-ASH-4
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		17.9	9.7	6.8	14.2
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.02	0.02	0.02	0.05
	Ba	0.1	mg/L		<0.1	<0.1	<0.1	0.1
	Cd	0.001	mg/L		<0.001	0.002	0.005	0.003
	Cr	0.01	mg/L		0.13	0.03	0.01	0.10
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		<0.1	86.2	1.7	1.2

				Lab I.D.	1117828	1117829	1117830	1117831
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-5	MRY-ASH-6	MRY-ASH-7	MRY-ASH-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		0.3	0.5	1.3	0.9
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.07	<0.01	<0.01	0.02
	Ba	0.1	mg/L		<0.1	<0.1	0.5	<0.1
	Cd	0.001	mg/L		0.097	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	0.05	0.06
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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EXOVA OTTAWA

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Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

				Lab I.D.	1117828	1117829	1117830	1117831
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-5	MRY-ASH-6	MRY-ASH-7	MRY-ASH-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		2.9	<0.1	<0.1	<0.1

				Lab I.D.	1117832	1117833	1117834	1117835
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-9	MRY-ASH-10	MRY-ASH-21	MRY-ASH-22
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		4.3	3.4	1.7	0.2
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	0.12	<0.01	0.04
	Ba	0.1	mg/L		<0.1	0.1	0.8	0.1
	Cd	0.001	mg/L		0.002	0.045	<0.001	0.007
	Cr	0.01	mg/L		<0.01	0.06	0.21	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.2	7.3	<0.1	0.2

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EXOVA OTTAWA

Certificate of Analysis

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#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

				Lab I.D.	1117836
				Sample Matrix	REG 347 LCH
				Sample Type	
				Sampling Date	2014-07-04
				Sample I.D.	MRY-ASH-23
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
General Chemistry	Moisture	0.1	%		18.3
Mercury	Hg	0.001	mg/L		<0.001
Metals	Ag	0.001	mg/L		<0.001
	As	0.01	mg/L		0.08
	Ba	0.1	mg/L		<0.1
	Cd	0.001	mg/L		0.004
	Cr	0.01	mg/L		<0.01
	Pb	0.01	mg/L		<0.01
	Se	0.01	mg/L		<0.01
	Zn	0.1	mg/L		0.1

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EXOVA OTTAWA

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Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 272675 **Analysis Date** 2014-07-15 **Method** EPA 200.8			
Ag	<0.001 mg/L	99	94-106
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	99	91-109
Cd	<0.001 mg/L	97	93-107
Cr	<0.01 mg/L	102	94-106
Pb	<0.01 mg/L	103	70-130
Se	<0.01 mg/L	97	91-108
Zn	<0.1 mg/L	100	94-106
Run No 272694 **Analysis Date** 2014-07-15 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 272735 **Analysis Date** 2014-07-15 **Method** C SM2540B			
Moisture			80-120
Run No 272763 **Analysis Date** 2014-07-16 **Method** EPA 200.8			
Ag	<0.001 mg/L	97	94-106

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EXOVA OTTAWA

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Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413975
Date Submitted: 2014-07-09
Date Reported: 2014-07-16
Project:
COC #: 776242

QC Summary

Analyte	Blank	QC % Rec	QC Limits
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	99	91-109
Cd	<0.001 mg/L	100	93-107
Cr	<0.01 mg/L	102	94-106
Pb	<0.01 mg/L	100	70-130
Se	<0.01 mg/L	99	91-108
Zn	<0.1 mg/L	100	94-106
Run No 272778 **Analysis Date** 2014-07-16 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	100	70-130

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1414769
Date Submitted: 2014-07-17
Date Reported: 2014-07-24
Project:
COC #: 787666

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

Exova (Ottawa) is certified and accredited for specific parameters by:
CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

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EXOVA OTTAWA

Certificate of Analysis

Exova

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Attention: Mr. Jim Millard
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Invoice to: Baffinland Iron Mines Corporation

Report Number: 1414769
Date Submitted: 2014-07-17
Date Reported: 2014-07-24
Project:
COC #: 787666

				Lab I.D.	1120040	1120041	1120042	1120043
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-11	MRY-ASH-12	MRY-ASH-13	MRY-ASH-14
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		7.7	8.4	1.7	12.3
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.07	0.06	<0.01	0.06
	Ba	0.1	mg/L		0.1	0.1	0.2	0.1
	Cd	0.001	mg/L		0.006	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	0.31	0.02
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.3	0.8	<0.1	<0.1

				Lab I.D.	1120044	1120045	1120046	1120047
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-15	MRY-ASH-16	MRY-ASH-17	MRY-ASH-18
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		16.0	0.3	0.4	2.6
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		<0.1	0.1	<0.1	0.3
	Cd	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		5.35	0.37	<0.01	0.65
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		0.01	<0.01	<0.01	<0.01

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Report Number: 1414769
Date Submitted: 2014-07-17
Date Reported: 2014-07-24
Project:
COC #: 787666

				Lab I.D.	1120044	1120045	1120046	1120047
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-04	2014-07-04	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-15	MRY-ASH-16	MRY-ASH-17	MRY-ASH-18
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		<0.1	<0.1	<0.1	<0.1

				Lab I.D.	1120048	1120049
				Sample Matrix	REG 347 LCH	REG 347 LCH
				Sample Type		
				Sampling Date	2014-07-04	2014-07-04
				Sample I.D.	MRY-ASH-19	MRY-ASH-20
Group	**Analyte**	**MRL**	**Units**	**Guideline**		
General Chemistry	Moisture	0.1	%		0.4	0.6
Mercury	Hg	0.001	mg/L		<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001
	As	0.01	mg/L		0.01	0.35
	Ba	0.1	mg/L		0.2	0.1
	Cd	0.001	mg/L		<0.001	0.058
	Cr	0.01	mg/L		0.06	<0.01
	Pb	0.01	mg/L		<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01
	Zn	0.1	mg/L		<0.1	0.3

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Report Number: 1414769
Date Submitted: 2014-07-17
Date Reported: 2014-07-24
Project:
COC #: 787666

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 273074 **Analysis Date** 2014-07-22 **Method** C SM2540B			
Moisture			80-120
Run No 273173 **Analysis Date** 2014-07-23 **Method** EPA 200.8			
Ag	<0.001 mg/L	95	94-106
As	<0.01 mg/L	99	93-106
Ba	<0.1 mg/L	102	91-109
Cd	<0.001 mg/L	99	93-107
Cr	<0.01 mg/L	96	94-106
Pb	<0.01 mg/L	100	70-130
Se	<0.01 mg/L	98	91-108
Zn	<0.1 mg/L	95	94-106
Run No 273198 **Analysis Date** 2014-07-23 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	98	70-130

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EXOVA ENVIRONMENTAL ONTARIO

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Attention: Mr. Jim Millard
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Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413976
Date Submitted: 2014-07-09
Date Reported: 2014-07-21
Project:
COC #: 776243

Dear Jim Millard:

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Report Comments:

APPROVAL: _____

Lorna Wilson
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Report Number: 1413976
Date Submitted: 2014-07-09
Date Reported: 2014-07-21
Project:
COC #: 776243

				Lab I.D.	1117837	1117838	1117839	1117841
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-24	MRY-ASH-25	MRY-ASH-26	MRY-ASH-28
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		2.8	0.8	13.6	21.8
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.06	0.10	0.08	0.10
	Ba	0.1	mg/L		<0.1	0.2	<0.1	<0.1
	Cd	0.001	mg/L		0.018	0.054	0.002	<0.001
	Cr	0.01	mg/L		0.01	<0.01	0.02	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		4.5	8.5	0.7	<0.1

				Lab I.D.	1117842	1117843	1117844	1117845
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-29	MRY-ASH-30	MRY-ASH-31	MRY-ASH-32
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		4.1	1.5	0.4	3.8
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.06	0.05	0.01	<0.01
	Ba	0.1	mg/L		0.4	<0.1	0.2	<0.1
	Cd	0.001	mg/L		0.192	0.005	0.001	<0.001
	Cr	0.01	mg/L		0.05	0.17	0.02	0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	0.02	<0.01

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EXOVA OTTAWA

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Project:
COC #: 776243

				Lab I.D.	1117842	1117843	1117844	1117845
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-29	MRY-ASH-30	MRY-ASH-31	MRY-ASH-32
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L			1.4	<0.1	<0.1
		1	mg/L		31			

				Lab I.D.	1117846	1117847	1117848	1117849
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-33	MRY-ASH-34	MRY-ASH-35	MRY-ASH-36
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		4.5	3.0	3.2	2.8
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	<0.01	0.16	0.09
	Ba	0.1	mg/L		<0.1	0.2	<0.1	0.1
	Cd	0.001	mg/L		0.006	0.002	0.006	0.054
	Cr	0.01	mg/L		0.07	<0.01	0.05	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L			3.7		4.2
		1	mg/L		13		14	

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EXOVA OTTAWA

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				Lab I.D.	1117850	1117851	1117852	1117853
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-37	MRY-ASH-38	MRY-ASH-39	MRY-ASH-40
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		0.4	0.9	5.1	3.0
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.14	0.06	0.05	0.04
	Ba	0.1	mg/L		0.2	0.1	<0.1	<0.1
	Cd	0.001	mg/L		0.007	0.006	0.009	0.003
	Cr	0.01	mg/L		<0.01	0.02	0.01	0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		4.2	2.5		2.1
		1	mg/L				20	

				Lab I.D.	1117854	1117855	1117856	1117857
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-41	MRY-ASH-42	MRY-ASH-43	MRY-ASH-44
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		10.0	2.0	1.2	18.7
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	0.14	0.04	<0.01
	Ba	0.1	mg/L		<0.1	0.3	0.3	<0.1
	Cd	0.001	mg/L		0.008	0.250	0.002	<0.001
	Cr	0.01	mg/L		<0.01	0.02	<0.01	1.00
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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Project:
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				Lab I.D.	1117854	1117855	1117856	1117857
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-07-05	2014-07-05	2014-07-05	2014-07-05
				Sample I.D.	MRY-ASH-41	MRY-ASH-42	MRY-ASH-43	MRY-ASH-44
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		2.6		0.9	<0.1
		1	mg/L			24		

				Lab I.D.	1117858
				Sample Matrix	REG 347 LCH
				Sample Type	
				Sampling Date	2014-07-05
				Sample I.D.	MRY-ASH-45
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
General Chemistry	Moisture	0.1	%		0.8
Mercury	Hg	0.001	mg/L		<0.001
Metals	Ag	0.001	mg/L		<0.001
	As	0.01	mg/L		0.07
	Ba	0.1	mg/L		<0.1
	Cd	0.001	mg/L		0.015
	Cr	0.01	mg/L		<0.01
	Pb	0.01	mg/L		<0.01
	Se	0.01	mg/L		<0.01
	Zn	0.1	mg/L		1.5

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Date Submitted: 2014-07-09
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Project:
COC #: 776243

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 272735 **Analysis Date** 2014-07-15 **Method** C SM2540B			
Moisture			80-120
Run No 272763 **Analysis Date** 2014-07-16 **Method** EPA 200.8			
Ag	<0.001 mg/L	97	94-106
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	99	91-109
Cd	<0.001 mg/L	100	93-107
Cr	<0.01 mg/L	102	94-106
Pb	<0.01 mg/L	100	70-130
Se	<0.01 mg/L	99	91-108
Zn	<0.1 mg/L	98	94-106
Run No 272778 **Analysis Date** 2014-07-16 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	100	70-130
Run No 272847 **Analysis Date** 2014-07-17 **Method** EPA 200.8			
Ag	<0.001 mg/L	101	94-106

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Project:
COC #: 776243

QC Summary

Analyte	Blank	QC % Rec	QC Limits
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	102	91-109
Cd	<0.001 mg/L	101	93-107
Cr	<0.01 mg/L	100	94-106
Pb	<0.01 mg/L	102	70-130
Se	<0.01 mg/L	101	91-108
Zn	<0.1 mg/L	98	94-106
Run No 272927 **Analysis Date** 2014-07-18 **Method** C SM2540B			
Moisture			80-120
Run No 272938 **Analysis Date** 2014-07-18 **Method** EPA 200.8			
Ag	<0.001 mg/L	98	94-106
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	97	91-109
Cd	<0.001 mg/L	97	93-107
Cr	<0.01 mg/L	94	94-106
Pb	<0.01 mg/L	98	70-130
Se	<0.01 mg/L	97	91-108

Guideline = *** = Guideline Exceedence**
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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

EXOVA OTTAWA

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1413976
Date Submitted: 2014-07-09
Date Reported: 2014-07-21
Project:
COC #: 776243

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Zn	<0.1 mg/L	94	94-106
Run No 272939 **Analysis Date** 2014-07-18 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 273012 **Analysis Date** 2014-07-21 **Method** EPA 200.8			
Zn	<1 mg/L	98	94-106

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1421691
Date Submitted: 2014-10-08
Date Reported: 2014-10-14
Project:
COC #: 776517

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____
Lorna Wilson
Laboratory Supervisor, Inorganics

All analysis is completed in Ottawa, Ontario (unless otherwise indicated).

Exova Ottawa is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on our CALA scope of accreditation. It can be found at http://www.cala.ca/scopes/2602.pdf.

Exova (Ottawa) is certified and accredited for specific parameters by OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils). Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by SCC, Standards Council of Canada (to ISO 17025)

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1421691
Date Submitted: 2014-10-08
Date Reported: 2014-10-14
Project:
COC #: 776517

				Lab I.D.	1138831	1138832	1138833	1138834
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type	Ash	Ash	Ash	Ash
				Sampling Date	2013-07-26	2013-07-26	2013-07-26	2013-07-26
				Sample I.D.	MP-AB-25	MP-AB-26	MP-AQ-01	MP-AQ-02
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		0.1	0.6	0.5	4.7
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.17	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.3	0.6	0.7	0.3
	Cd	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		0.26	0.99	0.41	0.60
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		0.03	0.04	<0.01	0.02
	Zn	0.1	mg/L		<0.1	<0.1	<0.1	<0.1

				Lab I.D.	1138835
				Sample Matrix	REG 347 LCH
				Sample Type	Ash
				Sampling Date	2013-07-26
				Sample I.D.	MP-AQ-03
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
General Chemistry	Moisture	0.1	%		9.9
Mercury	Hg	0.001	mg/L		<0.001
Metals	Ag	0.001	mg/L		<0.001
	As	0.01	mg/L		<0.01
	Ba	0.1	mg/L		0.1
	Cd	0.001	mg/L		<0.001
	Cr	0.01	mg/L		0.85
	Pb	0.01	mg/L		<0.01
	Se	0.01	mg/L		0.03

Guideline = *** = Guideline Exceedence**

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1421691
Date Submitted: 2014-10-08
Date Reported: 2014-10-14
Project:
COC #: 776517

				Lab I.D.	1138835
				Sample Matrix	REG 347 LCH
				Sample Type	Ash
				Sampling Date	2013-07-26
				Sample I.D.	MP-AQ-03
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
Metals	Zn	0.1	mg/L		<0.1

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1421691
Date Submitted: 2014-10-08
Date Reported: 2014-10-14
Project:
COC #: 776517

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 277691 **Analysis Date** 2014-10-09 **Method** C SM2540B			
Moisture			80-120
Run No 277776 **Analysis Date** 2014-10-10 **Method** EPA 200.8			
Ag	<0.001 mg/L	96	89-111
As	<0.01 mg/L	104	81-119
Ba	<0.1 mg/L	102	91-109
Cd	<0.001 mg/L	101	86-114
Cr	<0.01 mg/L	93	89-111
Pb	<0.01 mg/L	104	89-111
Se	<0.01 mg/L	103	77-123
Zn	<0.1 mg/L	98	89-111
Run No 277795 **Analysis Date** 2014-10-10 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	92	70-130

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

Exova (Ottawa) is certified and accredited for specific parameters by:
CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by:
SCC, Standards Council of Canada (to ISO 17025)

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132319	1132320	1132321	1132322
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-08-31	2014-08-31	2014-08-31	2014-08-31
				Sample I.D.	2014-comp-1	2014-comp-2	2014-comp-3	2014-comp-4
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		21.9	14.3	49.4	35.3
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	0.09	<0.01	<0.01
	Ba	0.1	mg/L		0.2	0.2	0.2	0.2
	Cd	0.001	mg/L		0.003	0.010	<0.001	0.002
	Cr	0.01	mg/L		<0.01	0.02	0.13	0.18
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		2.6	7.0	<0.1	0.8

				Lab I.D.	1132323	1132324	1132325	1132326
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-08-31	2014-08-31	2014-08-31	2014-08-31
				Sample I.D.	2014-comp-5	2014-comp-6	2014-comp-7	2014-comp-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		40.8	28.1	29.6	26.6
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.02	0.03	<0.01	0.01
	Ba	0.1	mg/L		0.2	0.4	0.5	0.3
	Cd	0.001	mg/L		0.002	0.009	<0.001	0.001
	Cr	0.01	mg/L		0.22	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132323	1132324	1132325	1132326
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-08-31	2014-08-31	2014-08-31	2014-08-31
				Sample I.D.	2014-comp-5	2014-comp-6	2014-comp-7	2014-comp-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		<0.1	2.6	8.0	0.3

				Lab I.D.	1132327	1132328	1132329	1132330
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-08-31	2014-08-31	2014-08-31	2014-08-31
				Sample I.D.	2014-comp-9	2014-comp-10	2014-comp-11	2014-comp-12
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		62.1	44.8	29.1	11.4
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01	0.10
	Ba	0.1	mg/L		0.3	0.2	0.6	0.2
	Cd	0.001	mg/L		0.001	0.001	0.008	0.001
	Cr	0.01	mg/L		<0.01	<0.01	0.01	0.02
	Pb	0.01	mg/L		<0.01	<0.01	0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.7	0.1		0.1
		1	mg/L				22	

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132331	1132332	1132333	1132334
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-08-31	2014-08-31	2014-08-31	2014-09-01
				Sample I.D.	2014-comp-13	2014-comp-14	2014-comp-15	2014-comp-16
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		27.6	25.4	23.0	41.0
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.2	0.4	0.2	0.2
	Cd	0.001	mg/L		0.002	0.035	<0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.8		<0.1	0.4
		1	mg/L			17		

				Lab I.D.	1132335	1132336	1132337	1132338
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-01	2014-09-01	2014-09-01	2014-09-01
				Sample I.D.	2014-comp-17	2014-comp-18	2014-comp-19	2014-comp-20
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		22.0	44.6	23.3	9.6
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	0.02	0.05
	Ba	0.1	mg/L		0.2	0.2	0.8	0.3
	Cd	0.001	mg/L		0.002	0.005	0.054	0.024
	Cr	0.01	mg/L		<0.01	<0.01	0.01	0.03
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132335	1132336	1132337	1132338
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-01	2014-09-01	2014-09-01	2014-09-01
				Sample I.D.	2014-comp-17	2014-comp-18	2014-comp-19	2014-comp-20
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.2	0.2	10.7	
		1	mg/L					33

				Lab I.D.	1132339	1132340	1132341	1132342
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-01	2014-09-01	2014-09-01	2014-09-01
				Sample I.D.	2014-comp-21	2014-comp-22	2014-comp-23	2014-comp-24
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		30.1	26.5	13.8	14.3
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.02	0.04	<0.01	0.03
	Ba	0.1	mg/L		0.2	0.1	0.8	0.2
	Cd	0.001	mg/L		0.006	<0.001	0.007	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		3.4	<0.1	7.1	<0.1

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132343	1132344	1132345	1132346
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-01	2014-09-01	2014-09-01	2014-09-01
				Sample I.D.	2014-comp-25	2014-comp-26	2014-comp-27	2014-comp-28
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		34.1	12.5	26.1	24.5
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	0.11	<0.01	0.02
	Ba	0.1	mg/L		0.1	0.2	0.3	0.2
	Cd	0.001	mg/L		<0.001	0.021	0.002	<0.001
	Cr	0.01	mg/L		0.06	<0.01	0.02	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		<0.1	21.2		0.6
		1	mg/L				67	

				Lab I.D.	1132347
				Sample Matrix	REG 347 LCH
				Sample Type	
				Sampling Date	2014-08-31
				Sample I.D.	2014-comp-29
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
General Chemistry	Moisture	0.1	%		58.5
Mercury	Hg	0.001	mg/L		<0.001
Metals	Ag	0.001	mg/L		<0.001
	As	0.01	mg/L		<0.01
	Ba	0.1	mg/L		0.2
	Cd	0.001	mg/L		0.014
	Cr	0.01	mg/L		<0.01
	Pb	0.01	mg/L		<0.01

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

				Lab I.D.	1132347
				Sample Matrix	REG 347 LCH
				Sample Type	
				Sampling Date	2014-08-31
				Sample I.D.	2014-comp-29
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
Metals	Se	0.01	mg/L		<0.01
	Zn	0.1	mg/L		1.1

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Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419298
Date Submitted: 2014-09-09
Date Reported: 2014-09-16
Project:
COC #: 776495

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 276064 **Analysis Date** 2014-09-11 **Method** C SM2540B			
Moisture			80-120
Run No 276100 **Analysis Date** 2014-09-12 **Method** EPA 200.8			
Ag	<0.001 mg/L	98	94-106
As	<0.01 mg/L	101	93-106
Ba	<0.1 mg/L	99	91-109
Cd	<0.001 mg/L	99	93-107
Cr	<0.01 mg/L	101	94-106
Pb	<0.01 mg/L	105	70-130
Se	<0.01 mg/L	103	91-108
Zn	<0.1 mg/L	98	94-106
Run No 276184 **Analysis Date** 2014-09-15 **Method** EPA 200.8			
Zn	<1 mg/L	98	94-106
Run No 276240 **Analysis Date** 2014-09-15 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	100	70-130

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client:	Baffinland Iron Mines Corporation #300 - 2275 Upper Middle Road East Oakville, ON L6H 0C3
Attention:	Mr. Jim Millard
PO#:	
Invoice to:	Baffinland Iron Mines Corporation

Report Number:	1419298
Date Submitted:	2014-09-09
Date Reported:	2014-09-16
Project:	
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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419957
Date Submitted: 2014-09-17
Date Reported: 2014-09-25
Project:
COC #: 776501

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

All analysis is completed in Ottawa, Ontario (unless otherwise indicated).

Exova (Ottawa) is certified and accredited for specific parameters by:
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Exova (Mississauga) is accredited for specific parameters by:
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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
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L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419957
Date Submitted: 2014-09-17
Date Reported: 2014-09-25
Project:
COC #: 776501

				Lab I.D.	1134190	1134191	1134192	1134193
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-10	2014-09-10	2014-09-10	2014-09-10
				Sample I.D.	MP-HA-comp-1	MP-HA-comp-2	MP-HA-comp-3	MP-HA-comp-4
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		57.3	6.8	26.9	42.3
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	0.04	<0.01
	Ba	0.1	mg/L		<0.1	0.1	<0.1	0.2
	Cd	0.001	mg/L		<0.001	<0.001	0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	0.05	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		<0.1	<0.1	4.2	0.4

				Lab I.D.	1134194	1134195	1134196	1134197
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-10	2014-09-10	2014-09-12	2014-09-12
				Sample I.D.	MP-HA-comp-5	MP-HA-comp-6	MP-HA-comp-7	MP-HA-comp-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		46.2	44.3	18.8	41.1
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		<0.1	0.7	0.3	0.8
	Cd	0.001	mg/L		0.049	0.007	<0.001	0.030
	Cr	0.01	mg/L		<0.01	0.11	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	0.05	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419957
Date Submitted: 2014-09-17
Date Reported: 2014-09-25
Project:
COC #: 776501

				Lab I.D.	1134194	1134195	1134196	1134197
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-10	2014-09-10	2014-09-12	2014-09-12
				Sample I.D.	MP-HA-comp-5	MP-HA-comp-6	MP-HA-comp-7	MP-HA-comp-8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		3.3		1.1	5.7
		1	mg/L			40		

				Lab I.D.	1134198	1134199	1134200	1134201
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-12	2014-09-15	2014-09-15	2014-09-15
				Sample I.D.	MP-HA-comp-9	MP-HA-comp-10	MP-HA-comp-11	MP-HA-comp-12
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		5.8	7.8	6.8	5.1
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.32	<0.01	<0.01	0.04
	Ba	0.1	mg/L		<0.1	<0.1	0.2	<0.1
	Cd	0.001	mg/L		0.003	<0.001	0.049	<0.001
	Cr	0.01	mg/L		0.04	<0.01	0.02	0.02
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		2.8	<0.1	6.1	1.6

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419957
Date Submitted: 2014-09-17
Date Reported: 2014-09-25
Project:
COC #: 776501

				Lab I.D.	1134202	1134203
				Sample Matrix	REG 347 LCH	REG 347 LCH
				Sample Type		
				Sampling Date	2014-09-15	2014-09-15
				Sample I.D.	MP-HA-comp-13	MP-HA-comp-14
Group	**Analyte**	**MRL**	**Units**	**Guideline**		
General Chemistry	Moisture	0.1	%		8.8	12.7
Mercury	Hg	0.001	mg/L		<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001
	As	0.01	mg/L		0.16	<0.01
	Ba	0.1	mg/L		<0.1	0.2
	Cd	0.001	mg/L		0.018	0.005
	Cr	0.01	mg/L		0.08	0.01
	Pb	0.01	mg/L		<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01
	Zn	0.1	mg/L		2.0	
		1	mg/L			17

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419957
Date Submitted: 2014-09-17
Date Reported: 2014-09-25
Project:
COC #: 776501

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 276506 **Analysis Date** 2014-09-19 **Method** C SM2540B			
Moisture			80-120
Run No 276638 **Analysis Date** 2014-09-22 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	92	70-130
Run No 276703 **Analysis Date** 2014-09-23 **Method** EPA 200.8			
Ag	<0.001 mg/L	100	94-106
As	<0.01 mg/L	99	93-106
Ba	<0.1 mg/L	93	91-109
Cd	<0.001 mg/L	97	93-107
Cr	<0.01 mg/L	102	94-106
Pb	<0.01 mg/L	102	70-130
Se	<0.01 mg/L	97	91-108
Zn	<0.1 mg/L	100	94-106
Run No 276816 **Analysis Date** 2014-09-24 **Method** EPA 200.8			
Zn	<1 mg/L	94	94-106

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EXOVA ENVIRONMENTAL ONTARIO

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PO#:	
Invoice to:	Baffinland Iron Mines Corporation

Report Number:	1419957
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Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419962
Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

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L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419962
Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

				Lab I.D.	1134211	1134212	1134213	1134214
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-13	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-001	MS-ASH-002	MS-ASH-003	MS-ASH-004
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		16.1	36.9	21.8	2.2
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	0.03	0.02	0.07
	Ba	0.1	mg/L		<0.1	<0.1	<0.1	<0.1
	Cd	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		0.63	0.01	0.13	0.06
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		<0.1	<0.1	<0.1	<0.1

				Lab I.D.	1134215	1134216	1134217	1134218
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-13	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-005	MS-ASH-006	MS-ASH-007	MS-ASH-008
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		4.3	1.6	19.2	0.6
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.03	0.06	0.03	0.06
	Ba	0.1	mg/L		<0.1	0.1	<0.1	0.1
	Cd	0.001	mg/L		<0.001	0.002	<0.001	<0.001
	Cr	0.01	mg/L		0.04	<0.01	<0.01	0.03
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

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L6H 0C3
Attention: Mr. Jim Millard
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Report Number: 1419962
Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

				Lab I.D.	1134215	1134216	1134217	1134218
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-13	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-005	MS-ASH-006	MS-ASH-007	MS-ASH-008
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		<0.1	0.3	0.2	0.1

				Lab I.D.	1134219	1134220	1134221	1134222
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-13	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-009	MS-ASH-010	MS-ASH-011	MS-ASH-012
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		0.7	1.0	1.2	<0.1
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.18	0.04	0.13	0.03
	Ba	0.1	mg/L		<0.1	<0.1	<0.1	1.0
	Cd	0.001	mg/L		0.004	0.066	0.009	<0.001
	Cr	0.01	mg/L		0.02	<0.01	0.02	0.84
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		2.5	3.0	4.5	<0.1

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1419962
Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

				Lab I.D.	1134223	1134224	1134225	1134226
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-13	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-013	MS-ASH-014	MS-ASH-015	MS-ASH-016
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		10.2	0.7	0.1	0.1
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.02	0.04	0.04	<0.01
	Ba	0.1	mg/L		<0.1	0.1	0.2	0.2
	Cd	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		0.04	<0.01	0.06	1.97
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		<0.1	0.2	<0.1	<0.1

				Lab I.D.	1134227	1134228	1134229
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type			
				Sampling Date	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-017	MS-ASH-019	MS-ASH-020
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
General Chemistry	Moisture	0.1	%		<0.1	4.3	16.9
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001
	As	0.01	mg/L		0.33	0.03	0.09
	Ba	0.1	mg/L		0.1	<0.1	<0.1
	Cd	0.001	mg/L		0.418	0.115	0.006
	Cr	0.01	mg/L		0.03	0.02	0.02
	Pb	0.01	mg/L		<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01

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Invoice to: Baffinland Iron Mines Corporation

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Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

				Lab I.D.	1134227	1134228	1134229
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type			
				Sampling Date	2014-09-13	2014-09-13	2014-09-13
				Sample I.D.	MS-ASH-017	MS-ASH-019	MS-ASH-020
Group	**Analyte**	**MRL**	**Units**	**Guideline**			
Metals	Zn	0.1	mg/L		3.4	0.5	12.7

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EXOVA ENVIRONMENTAL ONTARIO

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Attention: Mr. Jim Millard
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Report Number: 1419962
Date Submitted: 2014-09-18
Date Reported: 2014-09-23
Project:
COC #: 776502

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 276506 **Analysis Date** 2014-09-19 **Method** C SM2540B			
Moisture			80-120
Run No 276626 **Analysis Date** 2014-09-22 **Method** EPA 200.8			
Ag	<0.001 mg/L	100	94-106
As	<0.01 mg/L	98	93-106
Ba	<0.1 mg/L	100	91-109
Cd	<0.001 mg/L	99	93-107
Cr	<0.01 mg/L	98	94-106
Pb	<0.01 mg/L	103	70-130
Se	<0.01 mg/L	101	91-108
Zn	<0.1 mg/L	98	94-106
Run No 276638 **Analysis Date** 2014-09-22 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	92	70-130

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1420581
Date Submitted: 2014-09-25
Date Reported: 2014-10-01
Project:
COC #: 776503

Dear Jim Millard:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Lorna Wilson
Laboratory Supervisor, Inorganics

All analysis is completed in Ottawa, Ontario (unless otherwise indicated).

Exova (Ottawa) is certified and accredited for specific parameters by:
CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAFRA, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by:
SCC, Standards Council of Canada (to ISO 17025)

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only.

Guideline values listed on this report are provided for ease of use (informational purposes) only. Exova recommends consulting the official provincial or federal guideline as required.

EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1420581
Date Submitted: 2014-09-25
Date Reported: 2014-10-01
Project:
COC #: 776503

				Lab I.D.	1135914	1135915	1135916	1135917
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-20	2014-09-20	2014-09-20	2014-09-19
				Sample I.D.	MP-MI_HA-Comp 1	MP-MI-Comp 2	MP-MI_HA-Comp 3	MP-MI-Comp 4
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		36.0	24.5	39.1	9.9
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.3	<0.1	<0.1	0.1
	Cd	0.001	mg/L		0.001	<0.001	<0.001	<0.001
	Cr	0.01	mg/L		0.02	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		5.9	<0.1	3.1	0.4

				Lab I.D.	1135918	1135919	1135920	1135921
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-19	2014-09-19	2014-09-18	2014-09-18
				Sample I.D.	MP-MI-Comp 5	MP-MI-Comp 6	MP-MI-Comp 7	MP-MI-Comp 8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		25.2	40.1	52.8	39.0
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.2	0.2	0.1	0.2
	Cd	0.001	mg/L		0.022	0.004	0.003	0.004
	Cr	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

Guideline = *** = Guideline Exceedence**
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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

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#300 - 2275 Upper Middle Road East
Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1420581
Date Submitted: 2014-09-25
Date Reported: 2014-10-01
Project:
COC #: 776503

				Lab I.D.	1135918	1135919	1135920	1135921
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-19	2014-09-19	2014-09-18	2014-09-18
				Sample I.D.	MP-MI-Comp 5	MP-MI-Comp 6	MP-MI-Comp 7	MP-MI-Comp 8
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		4.0	0.3	2.5	0.3

				Lab I.D.	1135922	1135923	1135924	1135925
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-18	2014-09-15	2014-09-15	2014-09-15
				Sample I.D.	MP-MI-Comp 9	MP-MI-Comp 10	MP-MI-Comp 11	MP-MI-Comp 12
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		19.2	25.9	46.0	25.8
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.1	0.1	0.3	0.3
	Cd	0.001	mg/L		<0.001	0.002	<0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.7	2.0	0.6	0.5

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EXOVA ENVIRONMENTAL ONTARIO

Certificate of Analysis

Exova

Client: Baffinland Iron Mines Corporation
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Oakville, ON
L6H 0C3
Attention: Mr. Jim Millard
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Invoice to: Baffinland Iron Mines Corporation

Report Number: 1420581
Date Submitted: 2014-09-25
Date Reported: 2014-10-01
Project:
COC #: 776503

				Lab I.D.	1135926	1135927	1135928	1135929
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-17	2014-09-17	2014-09-17	2014-09-16
				Sample I.D.	MP-MI-Comp 13	MP-MI_HA-Comp 14	MP-MI_HA-Comp 15	MP-MI_HA-Comp 16
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		35.8	31.9	35.3	26.8
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.01	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		0.1	<0.1	0.1	<0.1
	Cd	0.001	mg/L		<0.001	0.005	<0.001	<0.001
	Cr	0.01	mg/L		<0.01	<0.01	0.02	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.2	5.4	1.3	1.2

				Lab I.D.	1135930	1135931	1135932	1135933
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-16	2014-09-16	2014-09-16	2014-09-16
				Sample I.D.	MP-MI-Comp 17	MP-MI-Comp 18	MP-MI-Comp 19	MP-MI-Comp 20
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
General Chemistry	Moisture	0.1	%		40.4	24.2	30.4	30.4
Mercury	Hg	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.001	mg/L		<0.001	<0.001	<0.001	<0.001
	As	0.01	mg/L		0.02	<0.01	<0.01	<0.01
	Ba	0.1	mg/L		<0.1	<0.1	0.2	0.1
	Cd	0.001	mg/L		<0.001	<0.001	0.001	0.001
	Cr	0.01	mg/L		<0.01	0.01	<0.01	<0.01
	Pb	0.01	mg/L		<0.01	<0.01	<0.01	<0.01
	Se	0.01	mg/L		<0.01	<0.01	<0.01	<0.01

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Date Reported: 2014-10-01
Project:
COC #: 776503

				Lab I.D.	1135930	1135931	1135932	1135933
				Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
				Sample Type				
				Sampling Date	2014-09-16	2014-09-16	2014-09-16	2014-09-16
				Sample I.D.	MP-MI-Comp 17	MP-MI-Comp 18	MP-MI-Comp 19	MP-MI-Comp 20
Group	**Analyte**	**MRL**	**Units**	**Guideline**				
Metals	Zn	0.1	mg/L		0.1	<0.1		5.1
		1	mg/L				31	

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EXOVA ENVIRONMENTAL ONTARIO

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L6H 0C3
Attention: Mr. Jim Millard
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Report Number: 1420581
Date Submitted: 2014-09-25
Date Reported: 2014-10-01
Project:
COC #: 776503

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 277163 **Analysis Date** 2014-09-30 **Method** M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 277173 **Analysis Date** 2014-10-01 **Method** EPA 200.8			
Ag	<0.001 mg/L	102	94-106
As	<0.01 mg/L	99	93-106
Ba	<0.1 mg/L	103	91-109
Cd	<0.001 mg/L	101	93-107
Cr	<0.01 mg/L	101	94-106
Pb	<0.01 mg/L	105	70-130
Se	<0.01 mg/L	100	91-108
Zn	<0.1 mg/L	99	94-106
Run No 277203 **Analysis Date** 2014-10-01 **Method** C SM2540B			
Moisture			80-120

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

Date Received: 22-OCT-14
Report Date: 24-OCT-14 11:34 (MT)
Version: FINAL REV. 2

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1536049

Project P.O. #: 4500004579
Job Reference:
C of C Numbers:
Legal Site Desc:

Comments: WS/WT TCLP RESULTS Resending to email distribution group

Wayne Smith, C.Chem., C.E.T.
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
L1536049-1 MS-ASH-018 Sampled By: AM,BB on 22-SEP-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.43		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	<2.5		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-2 MS-ASH-021 Sampled By: AM,BB on 22-SEP-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.29		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	0.082		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	2.9		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	0.0104		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-3 MS-ASH-022 Sampled By: AM,BB on 22-SEP-14 Matrix: SOIL							
Physical Tests							
% Moisture	1.32		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	0.053		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	3.1		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669

* 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
L1536049-3 MS-ASH-022 Sampled By: AM,BB on 22-SEP-14 Matrix: SOIL							
TCLP Metals							
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-4 MS-ASH-023 Sampled By: AM,BB on 23-SEP-14 Matrix: SOIL							
Physical Tests							
% Moisture	1.16		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	<2.5		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	0.0059		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-5 MS-ASH-024 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.64		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	3.0		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	0.0204		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-6 MS-ASH-025 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.19		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	4.5		2.5	mg/L		23-OCT-14	R3018669

* 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
L1536049-6 MS-ASH-025 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
TCLP Metals							
Cadmium (Cd)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-7 MS-ASH-026 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.81		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	0.108		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	<2.5		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	0.0412		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-8 MS-ASH-027 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.34		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	0.124		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	2.6		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	0.0430		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669
L1536049-9 MS-ASH-028 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
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
L1536049-9 MS-ASH-028 Sampled By: AM,BB on 12-OCT-14 Matrix: SOIL							
Physical Tests							
% Moisture	0.44		0.10	%	22-OCT-14	23-OCT-14	R3012248
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Barium (Ba)	<0.50		0.50	mg/L		23-OCT-14	R3018669
Boron (B)	3.3		2.5	mg/L		23-OCT-14	R3018669
Cadmium (Cd)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Chromium (Cr)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Lead (Pb)	<0.050		0.050	mg/L		23-OCT-14	R3018669
Mercury (Hg)	<0.00010		0.00010	mg/L	23-OCT-14	23-OCT-14	R3016949
Selenium (Se)	<0.25		0.25	mg/L		23-OCT-14	R3018669
Silver (Ag)	<0.0050		0.0050	mg/L		23-OCT-14	R3018669
Uranium (U)	<0.25		0.25	mg/L		23-OCT-14	R3018669

* 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	Boron (B)	MS-B	L1536049-1, -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
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: L1536049 Report Date: 24-OCT-14

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 R3012248								
WG1978847-3 DUP		**L1535431-1**						
% Moisture		11.8	12.1		%	2.8	30	23-OCT-14
WG1978847-2 LCS								
% Moisture			95.9		%		70-130	23-OCT-14
WG1978847-1 MB								
% Moisture			<0.10		%		0.1	23-OCT-14
HG-TCLP-WT	**Waste**							
Batch R3016949								
WG1979891-3 DUP		**L1536049-1**						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	23-OCT-14
WG1979891-2 LCS								
Mercury (Hg)			112.0		%		70-130	23-OCT-14
WG1979891-1 MB								
Mercury (Hg)			<0.00010		mg/L		0.0001	23-OCT-14
WG1979891-4 MS		**L1536049-2**						
Mercury (Hg)			113.0		%		70-130	23-OCT-14
MET-TCLP-WT	**Waste**							
Batch R3018669								
WG1979896-6 CVS								
Silver (Ag)			101.1		%		70-130	23-OCT-14
Arsenic (As)			96.7		%		70-130	23-OCT-14
Boron (B)			100.6		%		70-130	23-OCT-14
Barium (Ba)			96.0		%		70-130	23-OCT-14
Cadmium (Cd)			96.6		%		70-130	23-OCT-14
Chromium (Cr)			98.5		%		70-130	23-OCT-14
Lead (Pb)			99.3		%		70-130	23-OCT-14
Selenium (Se)			97.0		%		70-130	23-OCT-14
Uranium (U)			98.3		%		70-130	23-OCT-14
WG1979896-4 DUP		**WG1979896-3**						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	23-OCT-14
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	23-OCT-14
Boron (B)		3.3	3.4		mg/L	1.8	40	23-OCT-14
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	23-OCT-14
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	23-OCT-14
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	23-OCT-14
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	23-OCT-14

Quality Control Report

Workorder: L1536049 Report Date: 24-OCT-14

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 R3018669								
WG1979896-4 DUP		**WG1979896-3**						
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	23-OCT-14
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	23-OCT-14
WG1979896-2 LCS								
Silver (Ag)			98.0		%		70-130	23-OCT-14
Arsenic (As)			99.4		%		70-130	23-OCT-14
Boron (B)			96.8		%		70-130	23-OCT-14
Barium (Ba)			94.6		%		70-130	23-OCT-14
Cadmium (Cd)			96.1		%		70-130	23-OCT-14
Chromium (Cr)			97.6		%		70-130	23-OCT-14
Lead (Pb)			97.5		%		70-130	23-OCT-14
Selenium (Se)			97.4		%		70-130	23-OCT-14
Uranium (U)			96.8		%		70-130	23-OCT-14
WG1979896-1 MB								
Silver (Ag)			<0.0050		mg/L		0.005	23-OCT-14
Arsenic (As)			<0.050		mg/L		0.05	23-OCT-14
Boron (B)			<2.5		mg/L		2.5	23-OCT-14
Barium (Ba)			<0.50		mg/L		0.5	23-OCT-14
Cadmium (Cd)			<0.0050		mg/L		0.005	23-OCT-14
Chromium (Cr)			<0.050		mg/L		0.05	23-OCT-14
Lead (Pb)			<0.050		mg/L		0.05	23-OCT-14
Selenium (Se)			<0.25		mg/L		0.25	23-OCT-14
Uranium (U)			<0.25		mg/L		0.25	23-OCT-14
WG1979896-5 MS		**WG1979896-3**						
Silver (Ag)			99.5		%		50-150	23-OCT-14
Arsenic (As)			107.9		%		50-150	23-OCT-14
Boron (B)			N/A	MS-B	%		-	23-OCT-14
Cadmium (Cd)			97.7		%		50-150	23-OCT-14
Chromium (Cr)			103.4		%		50-150	23-OCT-14
Lead (Pb)			98.6		%		50-150	23-OCT-14
Selenium (Se)			99.9		%		50-150	23-OCT-14
Uranium (U)			99.3		%		50-150	23-OCT-14

Quality Control Report

Workorder: L1536049 Report Date: 24-OCT-14

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

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.

Quality Control Report

Workorder: L1536049 Report Date: 24-OCT-14

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

Contact: Jim Millard

Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
% Moisture							
	1	22-SEP-14	23-OCT-14 13:08	14	31	days	EHTR
	2	22-SEP-14	23-OCT-14 13:09	14	31	days	EHTR
	3	22-SEP-14	23-OCT-14 13:10	14	31	days	EHTR
	4	23-SEP-14	23-OCT-14 13:11	14	30	days	EHTR

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
EHTR: Exceeded ALS recommended hold time prior to sample receipt.
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Notes*:
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1536049 were received on 22-OCT-14 10:00.

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

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1536049-COFC

COC Number: 14 -

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Baffinland Iron Mines Corp.	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Millard, Myers, Knight	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Mary River Project Baffin Island, NU	☐ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	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
Phone:	647-253-0596 ext 6010	Email 1 or Fax BIM Group 1 Email 2	Specify Date Required for E2,E or P:

Invoice To		Invoice Distribution	
	Same as Report To ☑ Yes ☐ No		
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:	Baffinland Iron Mines Corp.	Email 1 or Fax AP@baffinland.com	
Contact:	Accounts Payable	Email 2	
Project Information		**Oil and Gas Required Fields (client use)**	
ALS Quote #:		Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:	RH	Location:	
ALS Lab Work Order # (lab use only)	L1536049 BT12	ALS Contact: Farhad Khalili	Sampler: AM, BB

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Toxicity Characteristic Leaching Procedure (TCLP)	Number of Containers
1	MS-ASH-018	22-Sep-14	12:00	Waste	R	1
2	MS-ASH-021	22-Sep-14	12:00	Waste	R	1
3	MS-ASH-022	22-Sep-14	12:00	Waste	R	1
4	MS-ASH-023	23-Sep-14	12:00	Waste	R	1
5	MS-ASH-024	12-Oct-14	12:00	Waste	R	1
6	MS-ASH-025	12-Oct-14	12:00	Waste	R	1
7	MS-ASH-026	12-Oct-14	12:00	Waste	R	1
8	MS-ASH-027	12-Oct-14	12:00	Waste	R	1
9	MS-ASH-028	12-Oct-14	12:00	Waste	R	1

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☐ No	Three Day Turnaround (25% surcharge)
Are samples for human drinking water use? ☐ Yes ☐ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes ☐	No ☐
Ice packs	Yes ☑	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			12.2		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date: Oct 20/14	Time: 16:30	Received by:	Date: 20-Oct-14	Time: 16:40	Received by:	Date: 22-Oct-14	Time: 1000

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.

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

Date Received: 13-NOV-14
Report Date: 20-NOV-14 15:33 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1545921

Project P.O. #: 4500005452
Job Reference:
C of C Numbers:
Legal Site Desc:

Wayne Smith, C.Chem., C.E.T.
Account Manager

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1545921-1 MS-ASH-029 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.68		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.78		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	3.81		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	21.2		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0172		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-2 MS-ASH-030 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.53		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.65		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	0.91		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	0.063		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	4.5		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0432		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-3 MS-ASH-031 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.92		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.83		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	0.80		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							

* 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
L1545921-3 MS-ASH-031 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
TCLP Metals							
Arsenic (As)	0.075		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	<2.5		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0091		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	0.079		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-4 MS-ASH-032 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.71		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.89		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	0.75		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	0.062		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	3.1		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0141		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-5 MS-ASH-033 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	10.90		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.52		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	2.98		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	0.057		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	25.8		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0238		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276

* 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
L1545921-5 MS-ASH-033 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
TCLP Metals							
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-6 MS-ASH-034 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.53		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.73		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	0.85		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	4.8		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0051		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-7 MS-ASH-035 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.92		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.51		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	1.51		0.10	%	13-NOV-14	14-NOV-14	R3074849
TCLP Metals							
Arsenic (As)	0.099		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	<2.5		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0303		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276

* 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
L1545921-7 MS-ASH-035 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
TCLP Metals							
L1545921-8 MS-ASH-036 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.46		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	6.26		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	1.04		0.10	%	13-NOV-14	14-NOV-14	R3075328
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084276
Boron (B)	3.2		2.5	mg/L		17-NOV-14	R3084276
Cadmium (Cd)	0.0228		0.0050	mg/L		17-NOV-14	R3084276
Chromium (Cr)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084276
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084276
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084276
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084276
L1545921-9 MS-ASH-037 Sampled By: B.B. on 11-NOV-14 @ 12:00 Matrix: WASTE							
Sample Preparation							
Initial pH	11.08		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Final pH	5.63		0.10	pH units	16-NOV-14	16-NOV-14	R3079722
Physical Tests							
% Moisture	3.21		0.10	%	13-NOV-14	14-NOV-14	R3075328
TCLP Metals							
Arsenic (As)	0.428		0.050	mg/L		17-NOV-14	R3084277
Barium (Ba)	<0.50		0.50	mg/L		17-NOV-14	R3084277
Boron (B)	10.3		2.5	mg/L		17-NOV-14	R3084277
Cadmium (Cd)	<0.0050		0.0050	mg/L		17-NOV-14	R3084277
Chromium (Cr)	0.209		0.050	mg/L		17-NOV-14	R3084277
Lead (Pb)	<0.050		0.050	mg/L		17-NOV-14	R3084277
Mercury (Hg)	<0.00010		0.00010	mg/L	18-NOV-14	18-NOV-14	R3085795
Selenium (Se)	<0.25		0.25	mg/L		17-NOV-14	R3084277
Silver (Ag)	<0.0050		0.0050	mg/L		17-NOV-14	R3084277
Uranium (U)	<0.25		0.25	mg/L		17-NOV-14	R3084277

* 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	Barium (Ba)	MS-B	L1545921-9
Matrix Spike	Chromium (Cr)	MS-B	L1545921-9

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
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: L1545921 Report Date: 20-NOV-14

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 R3074849								
WG1994555-3 DUP		**L1545760-8**						
% Moisture		12.9	12.2		%	5.4	30	14-NOV-14
WG1994555-2 LCS								
% Moisture			96.0		%		70-130	14-NOV-14
WG1994555-1 MB								
% Moisture			<0.10		%		0.1	14-NOV-14
Batch R3075328								
WG1995064-3 DUP		**L1544064-7**						
% Moisture		15.8	15.2		%	4.0	30	14-NOV-14
WG1995064-2 LCS								
% Moisture			105.4		%		70-130	14-NOV-14
WG1995064-1 MB								
% Moisture			<0.10		%		0.1	14-NOV-14
HG-TCLP-WT	**Waste**							
Batch R3085795								
WG1996991-4 DUP		**WG1996991-3**						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	18-NOV-14
WG1996991-2 LCS								
Mercury (Hg)			102.0		%		70-130	18-NOV-14
WG1996991-1 MB								
Mercury (Hg)			<0.00010		mg/L		0.0001	18-NOV-14
WG1996991-6 MS		**WG1996991-5**						
Mercury (Hg)			111.0		%		70-130	18-NOV-14
MET-TCLP-WT	**Waste**							
Batch R3084276								
WG1996840-6 CVS								
Silver (Ag)			102.6		%		70-130	17-NOV-14
Arsenic (As)			97.0		%		70-130	17-NOV-14
Boron (B)			106.0		%		70-130	17-NOV-14
Barium (Ba)			97.5		%		70-130	17-NOV-14
Cadmium (Cd)			100.8		%		70-130	17-NOV-14
Chromium (Cr)			100.2		%		70-130	17-NOV-14
Lead (Pb)			98.9		%		70-130	17-NOV-14
Selenium (Se)			94.3		%		70-130	17-NOV-14
Uranium (U)			98.0		%		70-130	17-NOV-14
WG1996840-4 DUP		**WG1996840-3**						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	17-NOV-14

Quality Control Report

Workorder: L1545921 Report Date: 20-NOV-14

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 R3084276								
WG1996840-4 DUP		**WG1996840-3**						
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-NOV-14
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	17-NOV-14
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	17-NOV-14
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	17-NOV-14
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-NOV-14
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-NOV-14
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-NOV-14
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-NOV-14
WG1996840-2 LCS								
Silver (Ag)			105.7		%		70-130	17-NOV-14
Arsenic (As)			103.7		%		70-130	17-NOV-14
Boron (B)			103.9		%		70-130	17-NOV-14
Barium (Ba)			103.7		%		70-130	17-NOV-14
Cadmium (Cd)			104.1		%		70-130	17-NOV-14
Chromium (Cr)			104.3		%		70-130	17-NOV-14
Lead (Pb)			103.7		%		70-130	17-NOV-14
Selenium (Se)			99.3		%		70-130	17-NOV-14
Uranium (U)			103.7		%		70-130	17-NOV-14
WG1996840-1 MB								
Silver (Ag)			<0.0050		mg/L		0.005	17-NOV-14
Arsenic (As)			<0.050		mg/L		0.05	17-NOV-14
Boron (B)			<2.5		mg/L		2.5	17-NOV-14
Barium (Ba)			<0.50		mg/L		0.5	17-NOV-14
Cadmium (Cd)			<0.0050		mg/L		0.005	17-NOV-14
Chromium (Cr)			<0.050		mg/L		0.05	17-NOV-14
Lead (Pb)			<0.050		mg/L		0.05	17-NOV-14
Selenium (Se)			<0.25		mg/L		0.25	17-NOV-14
Uranium (U)			<0.25		mg/L		0.25	17-NOV-14
WG1996840-5 MS		**WG1996840-3**						
Silver (Ag)			98.6		%		50-150	17-NOV-14
Arsenic (As)			98.3		%		50-150	17-NOV-14
Boron (B)			98.0		%		50-150	17-NOV-14
Cadmium (Cd)			99.2		%		50-150	17-NOV-14
Chromium (Cr)			102.9		%		50-150	17-NOV-14

Quality Control Report

Workorder: L1545921 Report Date: 20-NOV-14

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 R3084276								
WG1996840-5 MS		**WG1996840-3**						
Lead (Pb)			104.9		%		50-150	17-NOV-14
Selenium (Se)			113.8		%		50-150	17-NOV-14
Uranium (U)			96.0		%		50-150	17-NOV-14
Batch R3084277								
WG1996841-6 CVS								
Silver (Ag)			102.6		%		70-130	17-NOV-14
Arsenic (As)			97.0		%		70-130	17-NOV-14
Boron (B)			106.0		%		70-130	17-NOV-14
Barium (Ba)			97.5		%		70-130	17-NOV-14
Cadmium (Cd)			100.8		%		70-130	17-NOV-14
Chromium (Cr)			100.2		%		70-130	17-NOV-14
Lead (Pb)			98.9		%		70-130	17-NOV-14
Selenium (Se)			94.3		%		70-130	17-NOV-14
Uranium (U)			98.0		%		70-130	17-NOV-14
WG1996841-4 DUP		**WG1996841-3**						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	17-NOV-14
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-NOV-14
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	17-NOV-14
Barium (Ba)		1.12	1.10		mg/L	2.6	40	17-NOV-14
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	17-NOV-14
Chromium (Cr)		0.263	0.256		mg/L	2.6	40	17-NOV-14
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-NOV-14
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-NOV-14
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-NOV-14
WG1996841-2 LCS								
Silver (Ag)			103.5		%		70-130	17-NOV-14
Arsenic (As)			102.1		%		70-130	17-NOV-14
Boron (B)			103.0		%		70-130	17-NOV-14
Barium (Ba)			99.9		%		70-130	17-NOV-14
Cadmium (Cd)			101.3		%		70-130	17-NOV-14
Chromium (Cr)			101.8		%		70-130	17-NOV-14
Lead (Pb)			102.0		%		70-130	17-NOV-14
Selenium (Se)			99.5		%		70-130	17-NOV-14
Uranium (U)			101.7		%		70-130	17-NOV-14

Quality Control Report

Workorder: L1545921 Report Date: 20-NOV-14

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 R3084277								
WG1996841-1 MB								
Silver (Ag)			<0.0050		mg/L		0.005	17-NOV-14
Arsenic (As)			<0.050		mg/L		0.05	17-NOV-14
Boron (B)			<2.5		mg/L		2.5	17-NOV-14
Barium (Ba)			<0.50		mg/L		0.5	17-NOV-14
Cadmium (Cd)			<0.0050		mg/L		0.005	17-NOV-14
Chromium (Cr)			<0.050		mg/L		0.05	17-NOV-14
Lead (Pb)			<0.050		mg/L		0.05	17-NOV-14
Selenium (Se)			<0.25		mg/L		0.25	17-NOV-14
Uranium (U)			<0.25		mg/L		0.25	17-NOV-14
WG1996841-5 MS		**WG1996841-3**						
Silver (Ag)			99.2		%		50-150	17-NOV-14
Arsenic (As)			98.1		%		50-150	17-NOV-14
Boron (B)			116.0		%		50-150	17-NOV-14
Barium (Ba)			N/A	MS-B	%		-	17-NOV-14
Cadmium (Cd)			100.0		%		50-150	17-NOV-14
Chromium (Cr)			N/A	MS-B	%		-	17-NOV-14
Lead (Pb)			98.3		%		50-150	17-NOV-14
Selenium (Se)			91.3		%		50-150	17-NOV-14
Uranium (U)			99.6		%		50-150	17-NOV-14

Quality Control Report

Workorder: L1545921 Report Date: 20-NOV-14

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

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.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental
www.alsglobal.com

Canada Toll Free: 1 800 668 9878

L1545921-COFC

COC Number: 14 -

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Baffinland Iron Mines Corp.	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Millard, Myers, Knight	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Mary River Project Baffin Island, NU	☐ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	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
Phone:	647-253-0596 ext 6010	Email 1 or Fax BIM Group 1 Email 2	Specify Date Required for E2,E or P:

Invoice To		Invoice Distribution
	Same as Report To ☑ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
	Copy of Invoice with Report ☐ Yes ☑ No	
Company:	Baffinland Iron Mines Corp.	Email 1 or Fax AP@baffinland.com
Contact:	Accounts Payable	Email 2

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	242455	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only) L1545921 & PT8 **ALS Contact:** Farhad Khalili **Sampler:** BB

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Toxicity Characteristic Leaching Procedure (TCLP)	Number of Containers
1	MS-ASH-029	11-Nov-14	12:00	Waste	R	1
2	MS-ASH-030	11-Nov-14	12:00	Waste	R	1
3	MS-ASH-031	11-Nov-14	12:00	Waste	R	1
4	MS-ASH-032	11-Nov-14	12:00	Waste	R	1
5	MS-ASH-033	11-Nov-14	12:00	Waste	R	1
6	MS-ASH-034	11-Nov-14	12:00	Waste	R	1
7	MS-ASH-035	11-Nov-14	12:00	Waste	R	1
8	MS-ASH-036	11-Nov-14	12:00	Waste	R	1
9	MS-ASH-037	11-Nov-14	12:00	Waste	R	1

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☐ No

Are samples for human drinking water use? ☐ Yes ☐ No

Special Instructions / Specify Criteria to add on report (client Use)

Three Day Turnaround (25% surcharge)

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes ☐	No ☐
Ice packs	Yes ☑	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☑				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			14.9		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Bill Bunsten	Date: Nov 12/2014	Time: 08:00	Received by:	Date:	Time:	Received by:	Date: 13 Nov 14	Time: 1900

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326e v09 FrontM04 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 COC form**.

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

Date Received: 23-NOV-14
Report Date: 02-DEC-14 13:53 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1550926

Project P.O. #: 4500005452
Job Reference:
C of C Numbers:
Legal Site Desc:

Wayne Smith, C.Chem., C.E.T.
Account Manager

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1550926-1 MS-ASH-38 Sampled By: B.B. on 22-NOV-14 @ 13:15 Matrix: WASTE							
Sample Preparation							
Initial pH	11.26		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Final pH	5.12		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Physical Tests							
% Moisture	4.30		0.10	%	27-NOV-14	28-NOV-14	R3110232
TCLP Metals							
Arsenic (As)	<0.050	LTIS	0.050	mg/L		01-DEC-14	R3111583
Barium (Ba)	<0.50	LTIS	0.50	mg/L		01-DEC-14	R3111583
Boron (B)	2.6	LTIS	2.5	mg/L		01-DEC-14	R3111583
Cadmium (Cd)	<0.0050	LTIS	0.0050	mg/L		01-DEC-14	R3111583
Chromium (Cr)	<0.050	LTIS	0.050	mg/L		01-DEC-14	R3111583
Lead (Pb)	<0.050	LTIS	0.050	mg/L		01-DEC-14	R3111583
Mercury (Hg)	<0.00010		0.00010	mg/L	01-DEC-14	01-DEC-14	R3111712
Selenium (Se)	<0.25	LTIS	0.25	mg/L		01-DEC-14	R3111583
Silver (Ag)	<0.0050	LTIS	0.0050	mg/L		01-DEC-14	R3111583
Uranium (U)	<0.25	LTIS	0.25	mg/L		01-DEC-14	R3111583
L1550926-2 MS-ASH-39 Sampled By: B.B. on 22-NOV-14 @ 13:20 Matrix: WASTE							
Sample Preparation							
Initial pH	11.20		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Final pH	6.07		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Physical Tests							
% Moisture	0.38		0.10	%	27-NOV-14	28-NOV-14	R3110232
TCLP Metals							
Arsenic (As)	0.129		0.050	mg/L		01-DEC-14	R3111583
Barium (Ba)	<0.50		0.50	mg/L		01-DEC-14	R3111583
Boron (B)	5.6		2.5	mg/L		01-DEC-14	R3111583
Cadmium (Cd)	0.0063		0.0050	mg/L		01-DEC-14	R3111583
Chromium (Cr)	<0.050		0.050	mg/L		01-DEC-14	R3111583
Lead (Pb)	<0.050		0.050	mg/L		01-DEC-14	R3111583
Mercury (Hg)	<0.00010		0.00010	mg/L	01-DEC-14	01-DEC-14	R3111712
Selenium (Se)	<0.25		0.25	mg/L		01-DEC-14	R3111583
Silver (Ag)	<0.0050		0.0050	mg/L		01-DEC-14	R3111583
Uranium (U)	<0.25		0.25	mg/L		01-DEC-14	R3111583
L1550926-3 MS-ASH-40 Sampled By: B.B. on 22-NOV-14 @ 13:25 Matrix: WASTE							
Sample Preparation							
Initial pH	11.24		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Final pH	6.07		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Physical Tests							
% Moisture	0.21		0.10	%	27-NOV-14	28-NOV-14	R3110232
TCLP Metals							

* 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
L1550926-3 MS-ASH-40 Sampled By: B.B. on 22-NOV-14 @ 13:25 Matrix: WASTE							
TCLP Metals							
Arsenic (As)	0.056		0.050	mg/L		01-DEC-14	R3111583
Barium (Ba)	<0.50		0.50	mg/L		01-DEC-14	R3111583
Boron (B)	3.9		2.5	mg/L		01-DEC-14	R3111583
Cadmium (Cd)	<0.0050		0.0050	mg/L		01-DEC-14	R3111583
Chromium (Cr)	<0.050		0.050	mg/L		01-DEC-14	R3111583
Lead (Pb)	<0.050		0.050	mg/L		01-DEC-14	R3111583
Mercury (Hg)	<0.00010		0.00010	mg/L	01-DEC-14	01-DEC-14	R3111712
Selenium (Se)	<0.25		0.25	mg/L		01-DEC-14	R3111583
Silver (Ag)	<0.0050		0.0050	mg/L		01-DEC-14	R3111583
Uranium (U)	<0.25		0.25	mg/L		01-DEC-14	R3111583
L1550926-4 MS-ASH-41 Sampled By: B.B. on 22-NOV-14 @ 13:30 Matrix: WASTE							
Sample Preparation							
Initial pH	11.46		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Final pH	6.57		0.10	pH units	02-DEC-14	02-DEC-14	R3112464
Physical Tests							
% Moisture	<0.10		0.10	%	27-NOV-14	28-NOV-14	R3110232
TCLP Metals							
Arsenic (As)	0.055	LTIS	0.050	mg/L		01-DEC-14	R3111583
Barium (Ba)	<0.50	LTIS	0.50	mg/L		01-DEC-14	R3111583
Boron (B)	2.5	LTIS	2.5	mg/L		01-DEC-14	R3111583
Cadmium (Cd)	<0.0050	LTIS	0.0050	mg/L		01-DEC-14	R3111583
Chromium (Cr)	<0.050	LTIS	0.050	mg/L		01-DEC-14	R3111583
Lead (Pb)	<0.050	LTIS	0.050	mg/L		01-DEC-14	R3111583
Mercury (Hg)	<0.00010		0.00010	mg/L	01-DEC-14	01-DEC-14	R3111712
Selenium (Se)	<0.25	LTIS	0.25	mg/L		01-DEC-14	R3111583
Silver (Ag)	<0.0050	LTIS	0.0050	mg/L		01-DEC-14	R3111583
Uranium (U)	<0.25	LTIS	0.25	mg/L		01-DEC-14	R3111583

* 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	Barium (Ba)	MS-B	L1550926-1, -2, -3, -4

Sample Parameter Qualifier key listed:

Qualifier	Description
LTIS	Limited sample was available for TCLP inorganics and semi-volatiles extraction (< 100 grams). Extraction fluid volume and/or other elements of the TCLP method were scaled down proportionately to permit analysis. Test results from modified TCLP procedures may be unsuitable for regulatory purposes.
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-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: L1550926 Report Date: 02-DEC-14

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 R3110232								
WG2003910-3 DUP		**L1551531-14**						
% Moisture		12.0	11.5		%	3.8	30	28-NOV-14
WG2003910-2 LCS								
% Moisture			95.3		%		70-130	28-NOV-14
WG2003910-1 MB								
% Moisture			<0.10		%		0.1	28-NOV-14
HG-TCLP-WT	**Waste**							
Batch R3111712								
WG2005890-3 DUP		**L1552079-1**						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	01-DEC-14
WG2005890-2 LCS								
Mercury (Hg)			105.5		%		70-130	01-DEC-14
WG2005890-1 MB								
Mercury (Hg)			<0.00010		mg/L		0.0001	01-DEC-14
WG2005890-4 MS		**L1551687-1**						
Mercury (Hg)			128.0		%		70-130	01-DEC-14
MET-TCLP-WT	**Waste**							
Batch R3111583								
WG2005773-6 CVS								
Silver (Ag)			100.6		%		70-130	01-DEC-14
Arsenic (As)			99.2		%		70-130	01-DEC-14
Boron (B)			101.8		%		70-130	01-DEC-14
Barium (Ba)			98.6		%		70-130	01-DEC-14
Cadmium (Cd)			98.7		%		70-130	01-DEC-14
Chromium (Cr)			99.6		%		70-130	01-DEC-14
Lead (Pb)			101.3		%		70-130	01-DEC-14
Selenium (Se)			97.6		%		70-130	01-DEC-14
Uranium (U)			99.9		%		70-130	01-DEC-14
WG2005773-4 DUP		**WG2005773-3**						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	01-DEC-14
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	01-DEC-14
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	01-DEC-14
Barium (Ba)		0.69	0.62		mg/L	10	40	01-DEC-14
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	01-DEC-14
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	01-DEC-14
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	01-DEC-14

Quality Control Report

Workorder: L1550926 Report Date: 02-DEC-14

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 R3111583								
WG2005773-4 DUP		**WG2005773-3**						
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	01-DEC-14
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	01-DEC-14
WG2005773-2 LCS								
Silver (Ag)			98.3		%		70-130	01-DEC-14
Arsenic (As)			98.3		%		70-130	01-DEC-14
Boron (B)			93.8		%		70-130	01-DEC-14
Barium (Ba)			95.3		%		70-130	01-DEC-14
Cadmium (Cd)			95.9		%		70-130	01-DEC-14
Chromium (Cr)			97.5		%		70-130	01-DEC-14
Lead (Pb)			98.0		%		70-130	01-DEC-14
Selenium (Se)			96.3		%		70-130	01-DEC-14
Uranium (U)			97.9		%		70-130	01-DEC-14
WG2005773-1 MB								
Silver (Ag)			<0.0050		mg/L		0.005	01-DEC-14
Arsenic (As)			<0.050		mg/L		0.05	01-DEC-14
Boron (B)			<2.5		mg/L		2.5	01-DEC-14
Barium (Ba)			<0.50		mg/L		0.5	01-DEC-14
Cadmium (Cd)			<0.0050		mg/L		0.005	01-DEC-14
Chromium (Cr)			<0.050		mg/L		0.05	01-DEC-14
Lead (Pb)			<0.050		mg/L		0.05	01-DEC-14
Selenium (Se)			<0.25		mg/L		0.25	01-DEC-14
Uranium (U)			<0.25		mg/L		0.25	01-DEC-14
WG2005773-5 MS		**WG2005773-3**						
Silver (Ag)			97.2		%		50-150	01-DEC-14
Arsenic (As)			101.5		%		50-150	01-DEC-14
Boron (B)			115.4		%		50-150	01-DEC-14
Barium (Ba)			N/A	MS-B	%		-	01-DEC-14
Cadmium (Cd)			95.6		%		50-150	01-DEC-14
Chromium (Cr)			95.4		%		50-150	01-DEC-14
Lead (Pb)			103.5		%		50-150	01-DEC-14
Selenium (Se)			95.0		%		50-150	01-DEC-14
Uranium (U)			96.9		%		50-150	01-DEC-14

Quality Control Report

Workorder: L1550926 Report Date: 02-DEC-14

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

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

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1550926-COFC

COC Number: 14 -

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Baffinland Iron Mines Corp.	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Millard, Myers, Knight	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Mary River Project Baffin Island, NU	☐ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	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
Phone:	647-253-0596 ext 6010	Email 1 or Fax BIM Group 1 Email 2	Specify Date Required for E2,E or P:

Invoice To		Invoice Distribution
	Same as Report To ☑ Yes ☐ No	
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Company:	Baffinland Iron Mines Corp.	Email 1 or Fax AP@baffinland.com
Contact:	Accounts Payable	Email 2

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:		Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only)	L1550926 B173	ALS Contact: Farhad Khalili	Sampler: BB

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Toxicity Characteristic Leaching Procedure	Number of Containers
	MS-ASH-38	22-Nov-14	13:15	Waste	R	1
	MS-ASH-39	22-Nov-14	13:20	Waste	R	1
	MS-ASH-40	22-Nov-14	13:25	Waste	R	1
	MS-ASH-41	22-Nov-14	13:30	Waste	R	1

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☐ No	Three Day Turnaround (25% surcharge)
Are samples for human drinking water use? ☐ Yes ☐ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐		SIF Observations	Yes ☐ No ☐
Ice packs	Yes ☒ No ☐	Custody seal intact	Yes ☐ No ☐
Cooling Initiated ☐			

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			5.3		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date: 27/11/14	Time: 9:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326a v09 Front/04 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 COC form**.

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

Date Received: 12-DEC-14
Report Date: 17-DEC-14 12:51 (MT)
Version: FINAL

Client Phone: 416-364-8820

Certificate of Analysis

Lab Work Order #: L1557862

Project P.O. #: 4500005452
Job Reference: MINE SITE
C of C Numbers:
Legal Site Desc:

Wayne Smith, C.Chem., C.E.T.
Account Manager

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1557862-1 MS-ASH-42 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
Sample Preparation							
Initial pH	11.47		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Final pH	6.81		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Physical Tests							
% Moisture	0.20		0.10	%	12-DEC-14	13-DEC-14	R3119814
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Barium (Ba)	<0.50		0.50	mg/L		17-DEC-14	R3121630
Boron (B)	5.4		2.5	mg/L		17-DEC-14	R3121630
Cadmium (Cd)	0.0111		0.0050	mg/L		17-DEC-14	R3121630
Chromium (Cr)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Lead (Pb)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Mercury (Hg)	<0.00010		0.00010	mg/L	17-DEC-14	17-DEC-14	R3121560
Selenium (Se)	<0.25		0.25	mg/L		17-DEC-14	R3121630
Silver (Ag)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Uranium (U)	<0.25		0.25	mg/L		17-DEC-14	R3121630
L1557862-2 MS-ASH-43 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
Sample Preparation							
Initial pH	11.14		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Final pH	6.55		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Physical Tests							
% Moisture	<0.10		0.10	%	12-DEC-14	13-DEC-14	R3119814
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Barium (Ba)	<0.50		0.50	mg/L		17-DEC-14	R3121630
Boron (B)	5.6		2.5	mg/L		17-DEC-14	R3121630
Cadmium (Cd)	0.0135		0.0050	mg/L		17-DEC-14	R3121630
Chromium (Cr)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Lead (Pb)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Mercury (Hg)	<0.00010		0.00010	mg/L	17-DEC-14	17-DEC-14	R3121560
Selenium (Se)	<0.25		0.25	mg/L		17-DEC-14	R3121630
Silver (Ag)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Uranium (U)	<0.25		0.25	mg/L		17-DEC-14	R3121630
L1557862-3 MS-ASH-44 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
Sample Preparation							
Initial pH	11.24		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Final pH	5.46		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Physical Tests							
% Moisture	<0.10		0.10	%	12-DEC-14	13-DEC-14	R3119814
TCLP Metals							

* 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
L1557862-3 MS-ASH-44 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
TCLP Metals							
Arsenic (As)	0.050		0.050	mg/L		17-DEC-14	R3121630
Barium (Ba)	<0.50		0.50	mg/L		17-DEC-14	R3121630
Boron (B)	3.3		2.5	mg/L		17-DEC-14	R3121630
Cadmium (Cd)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Chromium (Cr)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Lead (Pb)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Mercury (Hg)	<0.00010		0.00010	mg/L	17-DEC-14	17-DEC-14	R3121560
Selenium (Se)	<0.25		0.25	mg/L		17-DEC-14	R3121630
Silver (Ag)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Uranium (U)	<0.25		0.25	mg/L		17-DEC-14	R3121630
L1557862-4 MS-ASH-45 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
Sample Preparation							
Initial pH	11.26		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Final pH	6.36		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Physical Tests							
% Moisture	<0.10		0.10	%	12-DEC-14	13-DEC-14	R3119814
TCLP Metals							
Arsenic (As)	0.104		0.050	mg/L		17-DEC-14	R3121630
Barium (Ba)	<0.50		0.50	mg/L		17-DEC-14	R3121630
Boron (B)	6.0		2.5	mg/L		17-DEC-14	R3121630
Cadmium (Cd)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Chromium (Cr)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Lead (Pb)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Mercury (Hg)	<0.00010		0.00010	mg/L	17-DEC-14	17-DEC-14	R3121560
Selenium (Se)	<0.25		0.25	mg/L		17-DEC-14	R3121630
Silver (Ag)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Uranium (U)	<0.25		0.25	mg/L		17-DEC-14	R3121630
L1557862-5 MS-ASH-46 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
Sample Preparation							
Initial pH	11.36		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Final pH	6.39		0.10	pH units	16-DEC-14	16-DEC-14	R3120962
Physical Tests							
% Moisture	<0.10		0.10	%	12-DEC-14	13-DEC-14	R3119814
TCLP Metals							
Arsenic (As)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Barium (Ba)	<0.50		0.50	mg/L		17-DEC-14	R3121630
Boron (B)	4.5		2.5	mg/L		17-DEC-14	R3121630
Cadmium (Cd)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Chromium (Cr)	<0.050		0.050	mg/L		17-DEC-14	R3121630

* 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
L1557862-5 MS-ASH-46 Sampled By: BILL BOWDEN on 07-DEC-14 @ 14:00 Matrix: SOLID							
TCLP Metals							
Lead (Pb)	<0.050		0.050	mg/L		17-DEC-14	R3121630
Mercury (Hg)	<0.00010		0.00010	mg/L	17-DEC-14	17-DEC-14	R3121560
Selenium (Se)	<0.25		0.25	mg/L		17-DEC-14	R3121630
Silver (Ag)	<0.0050		0.0050	mg/L		17-DEC-14	R3121630
Uranium (U)	<0.25		0.25	mg/L		17-DEC-14	R3121630

* 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	Boron (B)	MS-B	L1557862-1, -2, -3, -4, -5

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-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: L1557862 Report Date: 17-DEC-14

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 R3119814								
WG2013209-3 DUP		**L1557897-10**						
% Moisture		15.5	15.2		%	2.5	30	13-DEC-14
WG2013209-2 LCS								
% Moisture			93.5		%		70-130	13-DEC-14
WG2013209-1 MB								
% Moisture			<0.10		%		0.1	13-DEC-14
HG-TCLP-WT	**Waste**							
Batch R3121560								
WG2015485-3 DUP		**L1557115-18**						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	20	17-DEC-14
WG2015485-2 LCS								
Mercury (Hg)			99.0		%		70-130	17-DEC-14
WG2015485-1 MB								
Mercury (Hg)			<0.00010		mg/L		0.0001	17-DEC-14
WG2015485-4 MS		**L1557115-20**						
Mercury (Hg)			101.0		%		70-130	17-DEC-14
MET-TCLP-WT	**Waste**							
Batch R3121630								
WG2015310-6 CVS								
Silver (Ag)			103.6		%		70-130	17-DEC-14
Arsenic (As)			100.4		%		70-130	17-DEC-14
Boron (B)			98.3		%		70-130	17-DEC-14
Barium (Ba)			96.1		%		70-130	17-DEC-14
Cadmium (Cd)			99.4		%		70-130	17-DEC-14
Chromium (Cr)			104.2		%		70-130	17-DEC-14
Lead (Pb)			98.6		%		70-130	17-DEC-14
Selenium (Se)			97.5		%		70-130	17-DEC-14
Uranium (U)			96.3		%		70-130	17-DEC-14
WG2015310-4 DUP		**WG2015310-3**						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	17-DEC-14
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-DEC-14
Boron (B)		5.6	6.1		mg/L	8.9	40	17-DEC-14
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	17-DEC-14
Cadmium (Cd)		0.0114	0.0123		mg/L	8.0	40	17-DEC-14
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-DEC-14
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	17-DEC-14

Quality Control Report

Workorder: L1557862 Report Date: 17-DEC-14

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 R3121630								
WG2015310-4 DUP		**WG2015310-3**						
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-DEC-14
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	17-DEC-14
WG2015310-2 LCS								
Silver (Ag)			99.1		%		70-130	17-DEC-14
Arsenic (As)			92.3		%		70-130	17-DEC-14
Boron (B)			91.9		%		70-130	17-DEC-14
Barium (Ba)			94.6		%		70-130	17-DEC-14
Cadmium (Cd)			93.9		%		70-130	17-DEC-14
Chromium (Cr)			93.3		%		70-130	17-DEC-14
Lead (Pb)			94.1		%		70-130	17-DEC-14
Selenium (Se)			90.7		%		70-130	17-DEC-14
Uranium (U)			92.9		%		70-130	17-DEC-14
WG2015310-1 MB								
Silver (Ag)			<0.0050		mg/L		0.005	17-DEC-14
Arsenic (As)			<0.050		mg/L		0.05	17-DEC-14
Boron (B)			<2.5		mg/L		2.5	17-DEC-14
Barium (Ba)			<0.50		mg/L		0.5	17-DEC-14
Cadmium (Cd)			<0.0050		mg/L		0.005	17-DEC-14
Chromium (Cr)			<0.050		mg/L		0.05	17-DEC-14
Lead (Pb)			<0.050		mg/L		0.05	17-DEC-14
Selenium (Se)			<0.25		mg/L		0.25	17-DEC-14
Uranium (U)			<0.25		mg/L		0.25	17-DEC-14
WG2015310-5 MS		**WG2015310-3**						
Silver (Ag)			95.1		%		50-150	17-DEC-14
Arsenic (As)			135.0		%		50-150	17-DEC-14
Boron (B)			N/A	MS-B	%		-	17-DEC-14
Cadmium (Cd)			84.0		%		50-150	17-DEC-14
Chromium (Cr)			92.5		%		50-150	17-DEC-14
Lead (Pb)			94.1		%		50-150	17-DEC-14
Selenium (Se)			94.3		%		50-150	17-DEC-14
Uranium (U)			93.3		%		50-150	17-DEC-14

Quality Control Report

Workorder: L1557862 Report Date: 17-DEC-14

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

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

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1557862-COFC

COC Number: 14 -

Page 1 of 1

Report To		Report Format / Distribution		(Rush Turnaround Time (TAT) is not available for all tests)
Company:	Baffinland Iron Mines Corp. - ALS ENV Account 23642	Select Report Format:	☑ PDF ☑ EXCEL ☑ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Jim Millard, Trevor Myers, Allan Knight	Quality Control (QC) Report with Report	☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	2275 Upper Middle Rd. E., Suite #300 Oakville, ON, L6H 0C3	☑ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
		Select Distribution:	☐ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	647-253-0596 EXT 6010	Email 1 or Fax	bimcore@alsglobal.com	Specify Date Required for E2,E or P:
		Email 2		

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Company:		Email 1 or Fax	ap@baffinland.com
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q42455	Approver ID:	Cost Center:
Job #:	MINE SITE	GL Account:	Routing Code:
PO / AFE:	4500005452 RH	Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only) L1557862 B399 | ALS Contact: Wayne Smith | Sampler: Bill Bowden

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BIM-TCLP-MET1-WT (TCLP Hg,Ag,As,Ba,Cd,Cr,Pb,Se,Zn) -	Number of Containers
1	MS-ASH-42	7-Dec-14	14:00	Solid	R	1
2	MS-ASH-43	7-Dec-14	14:00	Solid	R	1
3	MS-ASH-44	7-Dec-14	14:00	Solid	R	1
4	MS-ASH-45	7-Dec-14	14:00	Solid	R	1
5	MS-ASH-46	7-Dec-14	14:00	Solid	R	1

Drinking Water (DW) Samples[1] (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? ☐ Yes ☑ No	Site Specific Criteria - Account Manager to update as required.	Frozen ☐ SIF Observations Yes ☐ No ☐
Are samples for human drinking water use? ☐ Yes ☑ No		Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐
		Cooling Initiated ☐
		INITIAL COOLER TEMPERATURES °C:	FINAL COOLER TEMPERATURES °C: 12.2

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Allan Knight	Date: 10-Dec-14	Time: 06:15	Received by:	Date:	Time:	Received by:	Date: 12-DEC-14	Time: 1000

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION — WHITE - LABORATORY COPY — YELLOW - CLIENT COPY

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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 COC form**.