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APPENDIX A – NWB ANNUAL REPORT FORM

NWB Annual Report

Year being reported: 2012 ▼

License No: 2BB-MRY1114 **Issued Date:** April 5, 2011
Expiry Date: April 5, 2014

Project Name: Mary River Project

Licensee: Baffinland Iron Mines Corporation

Mailing Address: Suite 1016, 120 Adelaide Street West
 Toronto, Ontario
 M5H 1T1

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

Baffinland Iron Mines Corporation

General Background Information on the Project (*optional):

Refer to Section 1.0 of the 2012 Annual Report to the Nunavut Water Board (NWB)

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼ Select ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):	Various (refer to Section 2.1 of the 2012 Annual Report)	
Water Quantity:	60	Quantity Allowable Domestic (cu.m)
	Varies	Actual Quantity Used Domestic (cu.m)
	325	Quantity Allowable Drilling (cu.m)
	Varies	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

- ☒ Solid Waste Disposal
- ☒ Sewage
- ☒ Drill Waste
- ☒ Greywater
- ☒ Hazardous
- ☐ Other:

Additional Details:

Refer to Section 2.0 of the 2012 Annual Report to the NWB

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

See Table 6.1 and Section 6.0 of the 2012 Annual Report to the NWB

Revisions to the Spill Contingency Plan

Other: (see additional details)

Additional Details:

Refer to the Summary Table which accompanies the revised Spill Contingency Plan in Appendix F.2

Revisions to the Abandonment and Restoration Plan

Other: (see additional details)

Additional Details:

Refer to the Summary Table which accompanies the revised Abandonment and Reclamation Plan in Appendix F.1

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

See Section 9.0 of the 2012 Annual Report to the NWB

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached

Additional Details:

Refer to Table 2.5 and Figures 1.3 to 1.9 (inclusive) of the 2012 Annual Report to the NWB

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached

Additional Details:

Refer to Table 2.4, Figures 1.3 and 1.5 to 1.9 (inclusive) of the 2012 Annual Report to the NWB

Results of any additional sampling and/or analysis that was requested by an Inspector

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

Inspection Report received by the Licensee (Date):

Additional Details: (Dates of Report, Follow-up by the Licensee)

Refer to Section 7.0 of the 2012 Annual Report to the NWB

Any additional comments or information for the Board to consider

The 2012 Annual Report provides further details on water use and waste disposal, construction activities, geochemical analysis of core, fuel storage, unauthorized discharges, inspection and compliance report concerns, updates to plans, progressive reclamation work, and consultations.

Date Submitted:

March 31, 2013

Submitted/Prepared by:

James Millard

Contact Information:

Tel: site 946-693-9447 cell 902-403-1337

Fax: 647-494-3619

email: jim.millard@baffinland.com

APPENDIX B – 2013 WORK PLAN



February 13, 2013

Mr. Damien Côté
Executive Director
Nunavut Water Board
PO Box 119
Gjoa Haven, NU X0B 1J0

**Re: 1) Work Plan for 2013
2) Update of Management Plans related to Type Water A Licence Application**

Dear Mr Côté,

Enclosed in Attachment 1 is Baffinland's proposed Work Plan for 2013. Baffinland holds all the necessary authorizations and permits to proceed with the activities listed in this Work Plan. The activities listed in the 2013 Work Plan have been screened by NIRB and are within the scope of the Baffinland's current authorizations (Project Certificate, IOL Commercial Lease Q10C3001, 2BB-MRY1114 Water Licence, the AANDC Land Lease for a portion of the Tote Road).

In accordance with the terms and conditions of the 2BB-MRY1114 Water Licence (Type B), Baffinland will be submitting updates of its environmental management plans related to its Type B Licence to the NWB prior to March 31st, 2013.

Once Baffinland obtains its Type A Water Licence, activities in progress at the site will comply with the terms and conditions of this new Type A Water Licence. As presented to the NWB at the Type A Water Licence Technical Meeting held in Pond Inlet on January 16 and 17, 2013, the environmental management plans required under the Type A Licence will be updated and submitted to the NWB in a timely manner shortly after issuance of the Licence. This will ensure that the management plans capture the requirements of the terms and conditions of both the Type A Water Licence and the Project Certificate. During this transition period, the terms and conditions of the Type B Licence will remain applicable. The approach Baffinland proposes for updating the management plans is described in Attachment 2.

In addition to the activities listed in the 2013 Work Plan, other scientific and engineering studies may be undertaken in support of ongoing baseline and engineering data collection as required from the Project.

As mentioned in the introductory remarks (Section 1) of the Work Plan, in the event the Project does not advance, all work items described and constructed as per the 2013 Work Plan will be subject to reclamation, as per relevant regulatory and permit obligations. Baffinland is currently preparing the closure cost estimate for the 2013 Work Plan activities and this will be submitted in the near future under separate cover.

Yours truly,



Erik Madsen

Vice-President Sustainable Development, Health, Safety & Environment

Cc: Mr. Ryan Barry, Executive Director, NIRB
Mrs. Navarana Beveridge, Executive Director, QIA
Mr. Jeff Mercer, Manager, Land Administration, Nunavut Regional Office, AANDC

Attachment 1: 2013 Work Plan

Attachment 2: Update to the Management Plans

Attachment 1 - 2013 WORK PLAN

1.0 Introduction

The following document presents the activities Baffinland intends to undertake as part of its 2013 Work Plan. In the event the Project does not advance, all work items described and constructed as per the 2013 Work Plan will be subject to reclamation, as per relevant regulatory and permit obligations.

2.0 Overview of Site Activities for March 2013 to December 2013

This 2013 Work Plan provides for:

- 1) The development and construction of infrastructure required for site capture at Milne Port and the Mine Site for the launching of the 18 MT Mary River Project.
- 2) Ongoing environmental baseline data collection and geotechnical drilling in order to sustain the development of the 18 MT Project. These activities will resume at the Milne Port site, along the Tote Road, at the Mine Site, at numerous quarry sites and at other Project development areas.

The specific scope of activities to be undertaken at each Project site is presented in Section 3 of this Work Plan. The Work Plan is presented within the context of the applicable regulatory authorizations and schedule.

Baffinland holds, or will soon hold, all the permits and authorizations required to carry out the 2013 Work Plan. The main regulatory instruments that allow for the 2013 Work Plan activities include:

- Project Certificate
 - All works and activities proposed have been screened by the NIRB and have been considered in the Project Certificate issued by the NIRB on December 28, 2012.
- Type B Water Licence
 - The current Type B Water Licence (2BB-MRY1114) authorizes Baffinland to operate the existing sewage treatment plants, incinerators, landfill, wastewater treatment and other facilities regulated by the Nunavut Water Board. A request for a modification to this licence will be submitted shortly for the construction of an additional 5ML fuel tank construction within the existing secondary containment as well as for the construction of a second PWSP pond at Milne Port (these work items are discussed in section 3.1.2 of this letter). The Type B Water Licence also authorizes Baffinland to undertake mineral exploration and geotechnical drilling programs. Prior to March 31st, 2013, Baffinland will submit to the NWB an update of all the environmental management plans associated with the Type B water Licence.
- Type A Water Licence
 - The final hearings for the Type A Water Licence associated with the Project Certificate are scheduled for April 23 to 25, 2013, in Pond Inlet. Baffinland expects that the Type A Water Licence will be granted by mid June 2013. The scope of the Type A Water Licence exceeds the requirement of the 2013 Work Plan for all

activities considered in this 2013 Work Plan. Following the issuance of the Type A Water Licence, Baffinland will submit to the NWB updates for the environmental management plans associated with this Water Licence.

- Use and Storage of Explosives
 - Baffinland's Explosives Contractor will obtain the necessary permits and authorizations from NRCan for the use and storage of explosive at the Project sites. It is anticipated that these permits will be obtained prior to commencement of the 2013 Work Plan (expected in mid April 2013).
- Quarry Permits
 - Schedule 'B' Quarry Concession Agreement under IOL Commercial Lease Q10C3001.
 - It is anticipated that quarrying of rock and gravel from permitted quarry locations (as shown on Schedule "A1" of this Lease) will continue. In addition, Baffinland will be applying for access and quarry permits to extract rock and gravel material adjacent and near the existing Milne Inlet Tote Road by means of an Amendment to the existing Schedule 'B' to the Lease.
 - The Project Certificate included the detailed assessment of 5 quarries. Two of these quarries will be developed at the onset of the 2013 Work Plan:
 - Quarry Q1 located at Milne Inlet – a site specific Quarry Management Plan was provided in the FEIS (Volume 3, Appendix 3B, Attachment 6: Operation and Management Plan Milne Inlet Quarry). The surface area of the quarry is 200,000 m² and the volume of material to be extracted is approximately 300,000 m³.
 - Quarry QMR2 located at the Mary River Mine Site - a site specific Quarry Management Plan was provided in the FEIS (Volume 3, Appendix 3B, Attachment 6: Operation and Management Plan Mary River Mine Site Quarry). The surface area of the quarry is 252,700 m² and the volume of material to be extracted is approximately 538,000 m³.
 - AANDC Land Use Permit and Quarry Permit to access existing and possibly new borrow and rock quarries adjacent and near the Tote Road.

3.0 Scope of 2013 Construction Activities

3.1 Pre-Sealift Activities – mid April to June 30, 2013

Construction activities are anticipated to commence in April 2013. Equipment already on site will be used to begin earthworks and site preparation. Beginning in April 2013, key activities will include:

3.1.1 Mary River Mine Site

- Operate the Mary River Exploration Camp and increase occupancy as of mid April 2013. The camp with its associated sewage treatment plant and incinerator will operate in accordance to the terms and conditions of Baffinland's Type B Water Licence.
- Fly in pre-packaged explosives to the Mary River airstrip and transport to explosives

magazines at Milne Port for storage and use in quarry operations.

- Construct camp pad and begin installation of construction camp.

3.1.2 Tote Road

Routine maintenance of the Tote Road will continue in 2013. The following activities will be undertaken prior to the sealift:

- Open the Tote Road (snow clearing) in early April;
- Relocate crusher train from the Mary River mine site to Milne quarry site (the crusher will be transported across river ice at four locations where box culverts are now in place);
- Follow up on the requirements pursuant to the Fisheries Authorization for the Tote Road Not Net Loss and Monitoring Program, QIA lease, and AANDC land permit and quarry permit requirements;
- Implementation of a freshet management plan for the Milne Inlet Tote Road to minimize associated environmental risks;
- Develop laydown areas for storage of explosive magazines (3 areas) in proximity of Q1 quarry at Milne Inlet. Position explosive magazines.

Milne Port

- Open the Milne Port camp site (mid April) and operate at full capacity (60 beds). Restart and operate the existing sewage treatment plant at Milne Port and the camp incinerator. The camp will operate in accordance with the terms and conditions of Baffinland's Type B Water Licence.
- Construct a second polishing waste stabilization pond (PWSP) at Milne in preparation for larger off-specification sewage treatment capacity during construction ramp up.
- Begin development of quarry Q1 1+100 (submitted with FEIS) to generate crushed and screened aggregate for the development of the Milne Port site. An estimated aggregate volume of 100,000 m³ will be required for Milne Port site development.
- Earthworks at Milne Port prior to the sealifts will focus on the following areas:
 - Develop laydown area B (used for Owner/Contractor laydown);
 - Develop laydown area A for storage of material and equipment to be received during the 2013 sealift;
 - Develop pad for the expanded camp facilities;
 - Upgrade (extend) the airstrip runway;
 - Construct fuel tank farm secondary containment area;
 - Construct one 5ML diesel fuel storage tank within the secondary containment constructed in 2011 (same construction as existing 5 ML tank);
 - Construct laydown area for waste storage/transfer;
 - Development of parking areas for heavy equipment and rolling stock fleet to be delivered during the sealifts.

3.2 2013 Sealift – July 1st to October 1st, 2013

For Milne Port, it is expected that sealifts will occur between July 1st and October 1st, 2013. An estimated 14 barges/ships (dimension of barges approximately 35 m x 140 m) will be necessary to transport the equipment and material required for the execution of the 2013 Work Plan and execution of the work planned for January to June of 2014.

Material, equipment, fuel and supplies required for construction activities at the Mine Site and the operation of the Mary River facilities will be transported to the Mine Site via the Tote Road during the fall of 2013 and the winter of 2014.

The material, equipment, supplies, buildings and machinery received at Milne Inlet during the sealifts will consist of the following:

3.2.1 Prefabricated Buildings and Fold-away Structures

- Camps complete with dormitories, kitchen facilities, washrooms, laundry facilities;
- Pre-assembled sewage treatment facilities;
- Camp incinerators;
- Emergency services building;
- Power generation equipment with electrical distribution system (several generators ranging from 50 kW to 500 kW);
- Two concrete batch plants;
- Boiler modules;
- Temporary emulsion plant;
- All modular buildings and fold-away structures to be used for offices during the 2013-2014 period. A preliminary list is presented in the table below:

Facility	Quantity
Maintenance shops	3
Trade shops (electrical, carpentry, piping, mechanical)	3
Warehouses	3
Parking garages	3
Tire shops	3
Office complexes	3
Lunchrooms	3
Wash cars	13
Field offices and lunch rooms	10
Fold-away structures	5

3.2.2 Heavy Equipment and Rolling Stock

- All heavy equipment and rolling stock required for the construction activities scheduled from July 2013 to July 2014 (next sealift). An overview of the rolling stock is presented in the table below:

Preliminary list of Rolling Stock and Heavy Equipment			
Description	Quantity	Description	Quantity
Loader	26	Emulsion Delivery Trucks	3
Grader	7	Loader Snow Blower Attachments	5
Track Dozer	13	Development Rock Drills	2
Excavator	11	Production Rock Drill	2
Haul Trucks	23	Crusher 6000 Ton/Day 6" (Cone Crusher)	2
Service trucks (pick-ups)	27	45ft Van Trailer Generator	2
Skidsteer	5	Hot Box	4
Highway Tractor Truck	4	Frost Fighters	12
Low Boy Trailers	8	Drive on Compactor	8
Boom Truck	3	Walk Behind Compactor	4
80 Ton Mobile RT Crane	2	Plate Compactors	4
200 Ton Track Mount	2	Trash Pumps	8
Crane RT	1	Development Drills	4
Crawler Crane	1	Roll Off Truck	2
Vac Truck - Roll Off	2	Potable Water Tank	1
Potable Water Tanks	2	Water Truck	2
Raw Water Tanks	2	Snow Cat	2
Sewage Vac Tanks	4	Fuel and Lube Truck	4
Garbage Bins	25	Tractor Truck	2
Container Handler	2	Low Boy Float	2
Telehandler	4	Low Boy Drop Deck	2
Ambulance	2	Portable Concrete Batch Truck	2
Fire Truck	2	10 cu.yd Mixer Truck	6
Dewatering Pump	4	100ft Pump Trucks	2
Plow/Sand Truck	4	320000BTU Frost Fighter	20
Buses	8	8kW Light Towers	10
Manlift	6	20kW Whisper Watt Gen Set	7
Scissor Lifts	4	185cfm Air Compressor	2
Maintenance Truck c/w Pick	2	400 Amp Welding Machines	
Fuel Delivery Truck - B-Train	2	Portable Grout Plant (3 off Sea Cans)	
Camp Power-GenSet(1250)	10	Ice Profiler	
Boiler Modules	1	4" Ice Auger	
Solution Modules	1	4 ton Propane Bullet c/w Refill Station	
Bob Cat	1	10,000 L Gasoline ISO Container	
Air Compressors	2	Rock Breaker	
Magazines	15	Spray Equipment	

3.2.3 Fuel Delivery

At least two bulk fuel deliveries will occur during the 2013 sealift. At the onset of the shipping season, arctic diesel will be delivered to fill the existing 5 ML storage tank and the newly constructed 5 ML steel tank located at the Milne tank farm. In addition, 1.5 ML of jet A fuel will also be included in the initial fuel delivery.

Throughout the summer months, construction will continue on two additional 10 ML steel tanks (within the confine of the tank farm secondary confinement) for the storage of diesel fuel.

Towards the end of the open water season, a second fuel delivery will occur to fill all tankage available at Milne Port. It is expected that this second fuel delivery will consist of 25 ML of arctic diesel and 1.5 ML of jet A fuel.

In addition to bulk fuel delivery, an estimated twelve 100,000L double wall isocontainer fuel storage tanks will be delivered to Milne Port. These isocontainers will provide the fuel storage at various quarry sites and construction sites for the execution of the 2013 Work Plan and the work scheduled for the Tote Road upgrade and bridge construction during the winter of 2014.

3.2.4 Material and Supplies

To the extent practicable, all materials and supplies required to execute the 2013 Work Plan and the work scheduled for January to June 2014 will be received during the 2013 sealifts. This includes:

- Delivery of ammonium nitrate (1.5 million kg);
- Delivery of pre-package explosives;
- Delivery of cement (12,000 tonnes);
- Delivery of construction material (generators, cabling, control centres, etc.);
- Delivery of consumables (lubricants, grease, detergents, dry goods, food, household supplies, etc.);
- Delivery of twelve 100,000L double wall isocontainers for fuel.

3.3 Construction Activities from July 1 to December 31, 2013

As mentioned in Section 2.1, Baffinland expects to be granted its Type A Water Licence by mid June 2013. As equipment and material is delivered by sealifts, additional construction activities will begin. These include:

3.3.1 Milne Port

During the sealift, most of the activities at Milne Port will focus on unloading the barges and positioning received equipment and material in designated laydown areas. In addition, the following construction activities will continue:

- Install emergency response building;
- Construct and commission two 10 ML diesel fuel steel tanks at the tank farm (construction completion before the end of sealift season);
- Construct and commission two additional 10 ML diesel fuel steel tanks at the tank farm;
- Install and commission fuel dispensing system for bulk fuel facility;
- Install and commission camp extension (100 person camp) including sewage treatment plant and incinerator;
- Install concrete batch;
- Construct landfarm;

- Ongoing decommission of the bladder farm;
- Install maintenance shops;
- Install trade shops;
- Install warming shed and parking garage;
- Install warehouses;
- Install administration buildings and field offices.

3.3.2 Tote Road

During the second half of 2013, all equipment, material, fuel, and supplies required for construction activities at Mary River will be transported from Milne Port to the Mine Site via the Tote Road.

The upgrade of the road will commence late in 2013 and is expected to take 8 to 10 months. In order to improve construction efficiency, Contractors have expressed the need for establishing a temporary 49 person camp mid-way along the Tote Road.

Should this camp be required, it will be erected in the later part of 2013. Water required for the camp operation would be trucked to this camp from the Mine Site or Milne Port water supply (approved under Type A and current Type B). All sewage generated from this camp would be trucked to either the Mine Site or Milne Port sewage treatment plants. Finally, all waste generated at the camp would also be transported to either the Mine Site or to Milne Port for ultimate disposal. There will be no local discharge from this camp.

3.3.2 Mine Site

Construction activities at the Mine Site will begin shortly after the first sealift. The activities will consist of:

- Development of the quarry QM2 at Mine Site (submitted with FEIS). The expected volume of aggregate required at the Mine Site for the 2013 work is 200,000 m³;
- Complete construction camp pad and installation of the 400 person construction camp facility including sewage treatment plant, incinerator and treated sewage storage pond(s) and discharge pipeline to Mary River;
- Upgrade (extend) of the Mary River airstrip;
- Development of equipment laydown areas for Owner/Contractor;
- Development of parking area for mobile equipment. Mobile equipment fleet will include:
 - Flat bed trucks;
 - Boom trucks;
 - Fuel Tanker trucks;
 - Water tanker trucks;
 - Cranes;
 - Excavators;
 - Graders;

- Pick-up trucks;
- Erect/install:
 - Emergency response building;
 - Concrete batch plant;
 - Emulsion plant;
 - Maintenance shop (including truck wash facility);
 - Trade shops;
 - Warming shed and parking garage;
 - Warehouses;
 - Administration buildings and field offices.
- Construct fuel tank farm secondary containment structure;
- Install 4 x 500,000L double wall diesel fuel tank (tank complete with fuel dispenser);
- Install one 50,000L double wall jet A fuel tank;
- Transfer fuel from Milne Port tankfarm to newly install fuel tanks at the Mine Site;

4.0 Ongoing Exploration and Geotechnical Activities

It is anticipated that the 2013 field work program would include the following items:

- Potential seasonal occupation of Steensby Inlet and Mid-Rail Camps;
- Fixed wing aircraft and helicopter to support general site activities including environmental monitoring and potentially additional exploration drilling and regional exploration;
- Geotechnical drilling and surveys at project development areas, as required to support Project design requirements:
 - The Tote Road alignment and bridge crossings, a portion of the drilling for bridge design being on ice as well as near water bodies;
 - Waste rock and ore disposal areas;
 - Milne Inlet Tote Road and bridge crossings, a portion of the drilling for bridge design being on ice as well as near water bodies;
 - Prospective quarry sites and borrow areas along the Tote Road.
- Continue archaeological surveys at project component areas as required.

5.0 Progressive Reclamation of the Exploration and Bulk Sample Project

There will be continued progressive reclamation of areas of current and past use in association with drilling, bulk sample, and historical exploration programs. In addition, Progressive reclamation plans will include:

- Development of an action plan to address concerns from stakeholders about long term salt storage;
- The completion of a program to test and dispose of incinerator bottom ash and the development of a plan to management and dispose of ongoing generation of ash;

- Continuing with the ongoing decommissioning of the existing bladder farm at Milne Inlet and the transport of hydrocarbon impacted soils to the planned landfarm facility;
- Development and implementation of a long term multi-year plan to address localized areas of permafrost melting associated with current borrow areas, and taking into consideration the longer term plans for Tote Road upgrades and new quarry development;
- Continued progressive reclamation of areas of current and past use in association with drilling, bulk sample, and historical exploration programs;
- Demobilization of equipment and supplies not required for near term activities, as well as the current inventory of hazardous waste and other materials by means of sealift from Milne Port;
- Continued development of the Mine Site landfill and deposition of non-hazardous wastes in accordance with the landfill operations and maintenance manual; and,
- Discharge of treated sewage stored in PWSPs at Mary River Camp and Milne Inlet after treatment as required. Two periods of discharge are planned, the first corresponding to freshet (May-June), and the second later in the summer if required.

6.0 Workforce and Employment Opportunities

The site work program is expected to begin in April 2013. Until material and equipment are received by sealifts, to a large extent, development activities are limited by availability of equipment currently on site. The work force is expected to peak during the sealifts period. Current estimates of the work force are as follows:

- Milne Port:
 - Pre-sealift period: 70 person
 - Sealift period; 60 to 120 persons
 - Post sealift period: ramp up to 150 person (full camp capacity)
- Mine Site Construction personnel:
 - Pre-sealift period: 8 to 12 persons
 - Sealift period; ramp up to 250 persons
 - Post sealift period: ramp up to 180 person

The 2013 work program will offer employment opportunities for many residents of northern Baffin Island. Baffinland will endeavor to maximize Inuit employment throughout 2013. Baffinland's "Work Ready Program" along with site specific training will prepare potential Inuit employees for these job opportunities. Job advertisements for a number of positions are currently posted in all the North Baffin communities. In addition, Baffinland will provide guidance to all its Contractors for training requirements and Inuit employment in the contract documents.

7.0 Early Revenue Phase (ERP) Environmental Impact Assessment

As stated in correspondence to the NIRB on January 13, 2013, due to various business drivers, Baffinland proposes to make changes to the schedule and some activities in the initial stages of project development associated with the Mary River Project Proposal for which the NIRB recently issued Project Certificate No. 005 (the 'Project Certificate').

In its request to the NIRB, Baffinland indicated that although the Proponent remains committed in the long-term to developing the Project as authorized in the Project Certificate, in the short term Baffinland proposes to change some development activities and project timelines to accommodate a proposed "Early Revenue Phase" which would include development of a nominal 3.5 million tonnes per annum (Mt/a) road haulage operation from the Mary River mine site to a port facility at Milne Inlet for shipping of iron ore during the open water season. As noted by Baffinland, this development option was presented previously as a project alternative, and was included within the initial technical review of the Draft Environmental Impact Statement for the Mary River Project.

Baffinland recognizes that this Early Revenue Phase will require an amendment to the Project Certificate which in turn requires the submission and review of an Environmental Impact Statement. In accordance to the directives issued by the NIRB, Baffinland expects to complete its Environmental Impact Assessment for the Early Revenue Phase (ERP) of the Project in June 2013. This EIS will be submitted to the NIRB and will be subjected to the NIRB review process which is expected to be completed by the first quarter of 2014.

If a favorable recommendation is granted from the NIRB and a favorable decision is granted from the Minister of AANDC with respect to the ERP, and subject to obtaining any amendments (if any) which might be necessary to the Water Licence, Baffinland will proceed with the construction of facilities required for the completion of the ERP. This work will be included in the 2014 Work Plan, once the Project Certificate has been amended.

8.0 Potential 2014 Bulk Sampling Campaign

In addition to the scope of activities described herein, Baffinland is also considering the undertaking of a second "bulk ore sampling" campaign. This campaign would consist of mining up to 500,000 tonnes of ore for shipment to potential customers via Milne Port during the 2014 open water season. A feasibility study is in progress and a decision by Baffinland's Board of Directors on whether to proceed with this bulk sampling campaign is expected by the end of March 2013. Should the decision of the Board be favorable, an addendum to this 2013 Work Plan will be submitted in April 2013. If additional activities that must be undertaken in 2013 in order to execute the 2014 bulk sampling campaign.

Attachment 2 - Update of the Management Plans

Baffinland presented an overview of its Environmental Management System (EMS) in Volume 10 of the Final Environmental Impact Statement (FEIS) for the Mary River Project. Baffinland's EHS system defines the sequence of ***"Policy – Planning – Implementation and Operation – Checking and Corrective Actions – Management Review Process"*** that must be in place to ensure that the Mary River Project is executed in an environmentally and socially acceptable manner and in a spirit of **continuous improvement** and employs adaptive management principles.

The EHS system and its associated management plans are ***"Life Of Project"*** management plans. They apply from the onset of the exploration phase, through pre-development activities, construction, operations and closure phases of the Project. The application of the continuous improvement principle and adaptive management (***Policy – Planning - Checking and Corrective Actions – Management Review Process***) ensures that the environmental management plans are appropriate for the level of activities on site at all times. Adaptive management is the application of mitigation measures when review processes identify potential adverse effects. The application of adaptive management measures could require the approval of a regulatory authority.

These management plans are the tools used by Baffinland to ensure that the Company's objectives and environmental commitments are achieved. The Company acknowledges that the management plans will require updating on a regular basis to ensure that they capture/incorporate the requirements outlined in the terms and conditions of the Project Certificate and Type A Water Licence, as well as other commitments made to local communities.

Key elements of these plans are execution and line of accountability within the Company's organization to ensure that the objectives of the plan are met. As the Project advances through its various phases of development (construction, operation, and, closure), the on-site organizational structure of the management team will change. However, the fundamental commitments made by the Company as embodied in the management plans will remain. Furthermore, the process of continual improvement (review and adaptive management) may also introduce occasional changes for some components of the management plans. In essence, the management plans are tools designed to manage change while ensuring that the Company's objectives and environmental commitments are achieved.

It was noted by the NWB (pre-hearing teleconference, October 18, 2012) that the plans as submitted,

generally meet the expectations of the NWB for the current stage of the water licencing process. Baffinland does not expect the core content of these management plans to change significantly over the life of the Project. However, certain sections of each plan will be updated regularly due to:

- Changes in regulations affecting the Project;
- Roles and Responsibilities - will adapt to the evolving organizational structure on-site and off-site;
- Monitoring requirements, objectives and thresholds will be adapted on the basis of annual review of monitoring information collected in previous time period (adaptive management);
- Changes in reporting requirements as directed by the licensing authority.

The list of Management Plans that were presented in the FEIS in support of the Type A Water Licence application is presented in Table 1. This table also suggests the timing for the next revision or update of each specific management plan. Baffinland intends to submit the updates of these plans in the form of an “**addendum**” to the core or master plan which was submitted in the Type A Water Licence application. This addendum will address only the sections of the plan where **changes have occurred**. Baffinland will track the revision number of the plan for each addendum submitted for a specific plan.

Table 1: List of Management Plans				
Standard, Plan and Identification Number	Last Revision Date	Next Review / Revision Date	Expected Implementation	Comments
EHS Framework Standard	FEIS February 2012		In Effect	Updates as required
Hazard Identification and Risk Assessment Procedure	FEIS February 2012		In Effect	Updates as required
Environmental Protection Plan	FEIS February 2012	June 30, 2013	In Effect	Some EPP procedures will be updated throughout 2013 as contractors begin work on site.
Emergency Response and Spill Contingency Plan	FEIS February 2012	Type B Plan - March 31, 2013 Type A plan June 30, 2013	March 31, 2013	This plan is updated annually to reflect site conditions and constraints. Baffinland will discuss content of the plan with the Emergency Response Work Group (TC, GN). Current Type B Licence version and March 31 update of this management plan remains in effect until the update is submitted to the NWB for the Type A Licence.
Oil Pollution Emergency Plan – Milne Portn (OPEP)	FEIS February 2012	March 31, 2013	July 2013	This plan is updated annually and submitted to Transport Canada for review.
Explosives Management Plan	FEIS	March 31, 2013	May 2013	The NRCan permit to store and use explosives will be granted to

	February 2012			the Explosives Contractor.
Blasting Management Plan		March 31, 2013	May 2013	Will be prepared for blasting activities commencing in 2013.
Air Quality and Noise Abatement Management Plan	FEIS February 2012	March 31, 2013	May 2013	As per the condition of the Project Certificate, an update will be prepared for the ERP.
Surface Water, Aquatic Ecosystems, Fish and Fish Habitat Management Plan	FEIS February 2012	Type B plan: March 31, 2013 Type A Update: June 30, 2013	March 31, 2013	Current Type B Licence version and March 31 update of this management plan remains in effect until the update is submitted to the NWB for the Type A Licence.
Waste Water Management Plan	FEIS February 2012	Type B plan: March 31, 2013 Type A Update: June 30, 2013	May 2013	Current Type B Licence version and March 31 update of this management plan remains in effect until the update is submitted to the NWB for the Type A Licence.
Waste Management Plan	FEIS February 2012	Type A Update: June 30, 2013	May 2013	Current practice under Type B Licence remains in effect until update is submitted to the NWB for the Type A Licence.
Waste Rock Management Plan	FEIS February 2012	June 30, 2013	September 2014	For the ERP, pre-stripping and mining is expected to commence in September 2014.
Borrow Pits and Quarry Management Plan	FEIS February 2012	March 31, 2013	May 2013	Site specific quarry permit applications will be prepared and submitted on a timely basis.
Roads Management Plan	FEIS February 2012	June 30, 2013	June 30, 2013	
Shipping and Marine Mammals Management Plan	FEIS February 2012		2014	This management plan will be updated to reflect the ERP requirement of shipping via Milne Port.
Terrestrial Environment Management Plan	FEIS February 2012	March 31, 2013	May 2013	Several EPP procedures in Effect.
Health & Safety Management Plan	FEIS February 2012	March 31, 2013	In Effect	Requirement of the Mine Safety Act
Stakeholders Involvement Plan	FEIS February 2012	As required	In Effect	
Cultural and Heritage Resource Protection Plan	FEIS February 2012	As required	In Effect	
Human Resources	FEIS February 2012	As required	In Effect	
Abandonment and Reclamation Plan	FEIS February 2012	June 30, 2013	2035	Interim Abandonment and Reclamation Plan will be submitted within a year of issuance of Type A

				Licence
Oil Pollution Emergency Plan – Steensby Port (OPEP)	FEIS February 2012	2015	July 2015	Management plan not required until the Railway Project is undertaken.
Air Quality and Noise Abatement Management Plan	FEIS February 2012	March 31, 2013	May 2013	Management plan not required until the Railway Project is undertaken.
Railway Management Plan	FEIS February 2012	2018	2015	Management plan not required until the Railway Project is undertaken.

APPENDIX C – ANNUAL GEOTECHNICAL INSPECTION and PHOTOGRAPHIC RECORDS

APPENDIX C.1 – 2012 ANNUAL GEOTECHNICAL INSPECTION



October 29, 2012

Phyllis Beaulieu, Manager of Licensing
Sean Joseph, Licensing Administrator
Nunavut Water Board
P.O. Box 119, Gjoa Haven NU X0B 1J0

Dear Ms. Beaulieu / Mr. Joseph:

Re: Baffinland Iron Mines Corporation (BIM) - Submission of 2012 Annual Geotechnical Inspection, NWB File: 2BB-MRY1114

1. INTRODUCTION

Under Part D, Item 16, of Baffinland Iron Mines Corporation (Baffinland) Water Licence 2BB-MRY1114, there is a requirement to ensure the proper function of earthworks associated with waste disposal facilities at its Mary River Project. This requirement is detailed in Part D, Item 19, which states that:

“An inspection of the earthworks, geological regime, and the hydrological regime of the Project is to be carried out during the summer of 2011, by a Geotechnical Engineer. The Geotechnical Engineer’s report shall be submitted to the Board within sixty (60) days of the inspection, with a covering letter from the Licensee outlining an implementation plan to respond to the Engineer’s recommendations.”

Since 2008 BIM retained GENIVAR Consultants (Genivar) to complete the annual water license geotechnical inspection of the on-site waste containment structures located at its two main camp sites, known as the Mary River Camp and Milne Inlet Camp. The 2012 field inspection was conducted by Genivar on August 8, 9, and 10, 2012, with follow-up review activities completed by the end of August. The 2012 report was completed and submitted to Baffinland on October 25. During the 2012 inspection, the containment structures reviewed at the respective camps included the following:

Mary River Mine Camp

- Bulk Fuel Storage Facility Containment
- Generator Fuel Storage Facility Containment
- Polishing/Waste Stabilization Pond No.1
- Polishing/Waste Stabilization Ponds No.2 and No.3 (Constructed as a 2 cell structure)
- Helicopter Fuel Cell Containment
- Barrel Fuel Containment (Constructed as a 2 cell structures)
- Stove Oil Storage
- Enviro-Tank Storage (Constructed contiguous with hazardous waste storage and stove oil storage).
- Hazardous Waste Storage
- Jet fuel Tank and Pump Containment
- Solid Waste Disposal Site.

Milne Inlet Site

- Bulk Fuel Storage Facility Containment
- Polishing/Waste Stabilization Pond
- Barrel Fuel Storage (Constructed as a 2 cell structure)

Baffinland Iron Mines Corporation

Suite 1016 120 Adelaide Street West, Toronto, ON Canada M5H 1T1

Tel: +1 (416) 364-8820 • Fax: +1 (416) 364-0193

www.baffinland.com



- Hazardous Waste Storage (Constructed as a 2 cell structure)
- Oil and Antifreeze Containment
- Jet "A" Pump Containment
- 5M Litre Steel Fuel Storage Tank

Attached, herewith, is Genivar's 2012 geotechnical report which presents the 2012 findings and recommendations for the aforementioned structures. Sections 2.0 and 3.0 of this letter summarize Baffinland's plan for implementing Genivar's recommendations. Recommendations for 2012 were similar to those provided for previous annual geotechnical inspection reports.

2. MARY RIVER MINE CAMP RECOMMENDATIONS

2.1. Bulk Fuel Storage Facility Containment

There are no recommendations made at this time other than to continue the pumping and treatment procedure currently undertaken.

2.2. Generator Fuel Storage Facility Containment

Recommendation MR1: Based on the need to contain 110 % of the bladder volume in the event of a fuel spill, the maximum volume of fuel permitted to be stored in the bladder in this facility as it is constructed, is 77,376 litres (76 cm height). Baffinland will continue to control the amount of fuel to the stated volume as per current practice. We recommend that Baffinland control the fuel in the bladder at 70,097 litres (30" high).

Baffinland Response: This recommendation has and continues to be implemented.

2.3. Polishing/Waste Stabilization Pond No. 1

Recommendation MR2: Continue the elevation monitoring program established on the top of the berm on an annual basis through 2013.

Baffinland Response: One round of elevation monitoring measurements will be completed prior to the 2013 annual inspection.

2.4. Polishing/Waste Stabilization Pond Nos. 2 and 3

Recommendation MR3: Continue the elevation monitoring program established on the top of the berm on an annual basis through 2013.

Baffinland Response: One round of elevation monitoring measurements will be completed prior to the 2013 annual inspection.

2.5. Helicopter Fuel Tank Containment, Barrel Fuel Containment, Hazardous Waste Storage, Enviro-Tank Storage, and Stove Oil Storage

There were no recommendations made at this time.

2.6. Jet Fuel Tank and Pump Containment

In consideration of the recent work completed there are no recommendations at the present time.

2.7. Solid Waste Disposal Site

There were no recommendations made at this time.



3. MILNE INLET CAMP

3.1. Bulk Fuel Storage Facility Containment

There were no recommendations made at this time.

3.2. Polishing/Waste Stabilization Pond

There were no recommendations made at this time.

3.3. Barrel Fuel Storage

In consideration of the recent work completed there are no recommendations at the present time.

3.4. Hazardous Waste Storage and Oil/Antifreeze Containment

There were no recommendations made at this time.

3.5. Jet "A" Pump Containment

There were no recommendations made at this time.

3.6. 5M litre Steel Fuel Storage Tank

There were no recommendations made at this time.

We trust that this submittal satisfies the requirements the geotechnical requirements as outlined in our water licence. Should you have any questions, please do not hesitate to contact Jim Millard, Senior Environmental Superintendent at 902-403-1337 or by e-mail at jim.millard@baffinland.com.

Best Regards,

Baffinland Iron Mines Corporation

A handwritten signature in black ink, appearing to read 'J. Millard', written over a horizontal line.

James Millard, M.Sc., P.Geo.
Senior Environmental Superintendent

Attach: Annual Geotechnical Inspection 2012, prepared by GENIVAR Consultants for Baffinland Iron Mines Corporation, dated October 25, 2012.

cc. Stephen Bathory, Joel Fortier (QIA)
Melissa Joy (AANDC)
Erik Madsen (Baffinland)



October 25, 2012

Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, Ontario M5T 1T1

Attention: Dave McCann
dave.mccann@baffinland

RE: ANNUAL GEOTECHNICAL INSPECTION 2012-08-16
BAFFINLAND IRON MINES CORPORATION
OUR REFERENCE #10-098 (101-15104-01)

1.0 Introduction

GENIVAR Consulting Engineers, completed the 5th annual water license geotechnical inspection of the on-site containment structures at Baffinland Iron Mines Corporation (BIM) Mary River Project. The containment structures for the operation are located at two main campsites known as the Mary River Project.

The soil structures reviewed are as per the following:

Mary River Mine Site

- Bulk Fuel Storage Facility Containment
- Generator Fuel Storage Facility Containment
- Polishing/Waste Stabilization Pond No. 1
- Polishing/Waste Stabilization Ponds No. 2 and No. 3 (Constructed as a 2 cell structure)
- Helicopter Fuel Cell Containment
- Barrel Fuel Containment (Constructed as a 2 cell structures)
- Stove Oil Storage
- Enviro-Tank Storage (Constructed contiguous with hazardous waste storage and stove oil storage).
- Hazardous Waste Storage
- Jet fuel Tank and Pump Containment
- Solid Waste Disposal Site.

A site plan for the Mary river site showing most containment structures is attached.



Milne Inlet Site

- Bulk Fuel Storage Facility Containment
- Polishing/Waste Stabilization Pond
- Barrel Fuel Storage (Constructed as a 2 cell structure)
- Hazardous Waste Storage (Constructed as a 2 cell structure)
- Oil and Antifreeze Containment
- Jet "A" Pump Containment
- 5M Litre Steel Fuel Storage Tank

This report presents the findings.

2.0 Methodology for Inspection

The geotechnical inspector was Mr. Barry H. Martin, P. Eng., who reviewed the sites on August 8, 9 and 10, 2012. The inspections were focused principally on the following aspects.

1. The structures were inspected for conformance with the design basis as presented in as-constructed and as-built drawings (provided in the first report).
2. The structures were specifically inspected for settlement, cracking, and seepage through the berms.
3. The areas around the sites were examined for evidence of seepage.

Photographs were taken to document observations made during the inspection and are attached.

3.0 Mary River Camp

3.01 General

This area has had precipitation almost daily since June. As a result, the containment dykes all contain water.

A monitoring surveillance program is in place to test storm water that accumulates within dykes. As required, water that does not meet water licence effluent requirements is treated on site prior to release.

At the Bulk Fuel Storage Facility Containment the water that collects within the dyke is treated at the east of the containment structure.



3.2 Bulk Fuel Storage Facility

General Conditions

The containment structure has not varied from its use as noted in the 2009 report. Some bladders are empty and some bladders are currently full.

Stability

At the time of our review the water had recently been removed (3 days earlier) from the containment and treated for release. There was a small amount of water ponding in a depression or sump in the gravel from which water was removed.

The structure was visually inspected for any signs of cracking or subsidence. There was no indication of any settlements, seepage, or cracking in the soil structures that formed the dykes. As well, there was no indication of seepage at the base of the structure around the exterior. The soil structure is considered to be stable in the present condition and is in conformance with the design basis for the facility.

There had been considerable precipitation prior to our inspection. The presence of small amounts of water in the gravel in the bottom of the structure is an indication of the integrity of the liner.

Recommendations

There are no recommendations to be made at this time other than to continue the pumping and treatment procedure currently undertaken.

3.3 Generator Fuel Storage Facility Containment

General Conditions

The containment structure has not varied from its use since our 2010 inspection. At that time our recommendation was to limit the fuel contained in this containment facility to 77,376 litres.

There is currently one bladder in this containment facility that has a capacity when full of 120,000 litres. This particular bladder contains 77,376 litres when the bladder is 32" high. The guideline for BIM is to fill this bladder to no more than 76 cm (30") which represents 70,097 litres.

A sign is posted to limit the bladder height at 30".

At the time of our visit on August 8, 2012, the bladder height was measured at 19 ½ ". There is minimal water ponding in the bottom of the containment at the time of our review.



Stability

The structure was visually inspected for any signs of subsidence or cracking. There was no sign of seepage at the base of the structure noted. The soil structure is considered to be stable in its present condition and is in conformance with our design principles.

Recommendation

We recommend that BIM control the fuel in the bladder at 70,097 litres (30" high).

3.4 Polishing/Waste Stabilization Pond No. 1

General Conditions

PWSP No. 1 continues to be utilized as a holding facility for sewage plant effluent that does not meet water effluent quality criteria.

Currently the pond is being used primarily as a repository for sewage sludge that is periodically removed from the RBC.

The supernatant from PWSP no. 1 is periodically decanted to PWSPs Nos. 2 and 3 where it is tested and treated as required to meet Water Licence effluent requirements.

At the time of our visit there was considerable freeboard to accommodate further sewage and the structure readily conforms to its design intent.

Stability

Our review of the area around the pond at the base of the slopes showed no sign of seepage and hence we conclude that the liner has been effective in containing sewage and there are no tears or ruptures in the membrane, excepting some minor tears from past activity at the top of the dyke wall above the allowable effluent level in the structure.

A review of the top of the dyke showed no indication of cracking or settlement which would indicate stresses within the structure.

Most tears that had occurred in the liner on the top of the dyke and have been patched during the period between reviews in 2008 and 2009 are holding well. As well there are no signs of weather related deterioration of the liner where it is exposed. Monitoring points have been set up on the top of the dyke and have been monitored since 2009. Settlements of approximately 10 cm have occurred since that time. These settlements have not led to any stress cracks in the structure.

There appears to be no sign of erosion of the dykes, even with the large amount of precipitation that occurred this current summer season.



Recommendations

We recommend that monitoring of the top of the berm continue on an annual basis through 2013. With the excellent condition of the dyke construction, we see no reason to complete this function other than annually prior to the next inspection.

3.5 Polishing Ponds/Waste Stabilization Ponds #2 and #3

General Conditions

This structure was designed and constructed as a 2 cell structure.

Treated sewage effluent from the RBC is currently discharged to PWSPs Nos. 2 and 3. The treated effluent is tested for Water Licence effluent requirements, treated if necessary, and discharged to the environment.

At the time of our visit there was considerable freeboard to accommodate further sewage and the structure readily conforms to its design intent.

Stability

Our review of the area around the pond at the base of the slopes showed no sign of seepage and hence we conclude that the liner has been effective in containing the sewage and there are no tears or ruptures in the membrane.

Longitudinal cracking which appeared in the dykes of PWSP#3 due to the melt of permafrost wedges in 2009 has not reoccurred and we consider this structure to be stable in its present condition.

Monitoring points have been set upon the top of the dyke and have been monitored since 2009. Settlements in the order of up to 10 cm have occurred since that time. These settlements have not led to any stress cracks in the structure.

There appears to be no sign of erosion of the dykes and plants are continuing to seed themselves on the dykes. This growth is minimal however.

Recommendations

We recommend that monitoring of the top of the dyke continue on an annual basis through 2012. With the excellent condition of the dyke construction we see no reason to complete this function other than annually prior to the next inspection.



3.6 Helicopter Fuel Tank Containment

General Conditions

The structure was designed and constructed as a single cell structure that contains a 1000 gal fuel storage tank.

The structure currently conforms to its design intent.

In the past a liner clad wood curb has been added to the top of the berm to prevent the erosion of gravel off the berm, caused by pulling the fuelling hose from within the dyke out to the helicopters to provide them with fuel.

Stability

Our review of the area around the pond at the base of the slopes showed no sign of seepage. There is a minor amount of water ponding in the bottom indicating the integrity of the liner.

A review of the exterior and the top of the berms showed no sign of cracking or settlement which would indicate stress within the structure.

The structure is considered to be stable in its present condition.

Recommendation

We have no recommendations with respect to this structure.

3.7 Barrel Fuel Containment

General Conditions

This particular structure which we called "Barrel Fuel Containment" in our 2010 inspection report is a two cell structure which is currently used to accommodate barrels of Jet A fuel and cubes of lubricant in one cell and a number of stove fuel barrels on skids and a number of fuel dispensing tanks in the other cell.

This structure was used as containment for skids of barrels containing stove fuel in 2011, but is empty at this time.

Stability

Our review of the area around this containment structure showed no sign of seepage. This shows that there is reasonably little chance of tearing or rupture of the membrane.

A review of the exterior and top of the dyke showed no sign of cracking or settlement which would indicate stresses within the structure.



The structure is considered to be stable in its present condition.

Recommendations

We have no recommendations with respect to this structure.

3.8 Hazardous Waste Storage

General Conditions

This particular cell was constructed contiguous with an existing cell which is referred to on site as the "Enviro Tank Storage" from drawings provided by our office in 2010 and conforms to our drawings. It is also contiguous with the Stove Oil Storage cell.

This structure was used as containment for skids of barrels containing stove fuel in 2011, but is empty at this time.

Stability

Our review of the area around this cell at the base of the slopes, showed no sign of seepage.

The structure appears stable in its present condition.

Recommendation

There are no recommendations at this time.

3.9 Enviro Tank Storage

General Conditions

This particular structure is constructed contiguous with the Hazardous Waste Storage constructed in 2010 and the Stove Oil Storage cell. It now is used to store lubricant cubes and hazardous waste.

Our review of the area around this cell at the base of the slopes showed no sign of seepage.

The structure is stable in its present condition.

Recommendations

There are no recommendations at this time.



3.10 Stove Oil Storage

General Conditions

This particular structure had been used to store barrels of stove fuel in 2011.

The structure is currently empty.

This structure was constructed in accordance with a standardized drawing provide by this office utilizing a one piece liner.

Stability

Our review of the area around the containment structure shows no signs of seepage. This shows that there is reasonably little chance of tearing or rupture of the membrane.

A review of the exterior and top of the dyke showed no sign of cracking or settlement which would indicate stresses with the structure.

The structure is considered to be stable in its present condition.

3.11 Jet Fuel Tank and Pump Containment

Past review of this structure has indicated that a one piece liner was installed under the sand/gravel but no geotextile was installed as protection over or under the liner.

I note that there is no readily evident indication that there has been any contaminant spilled. The fuel stored within it is within a double walled tank and any minor spillage from the pump would leave little noticeable residue.

However, there was no water ponding in the containment. This was brought to the attention of administration on site.

On August 14th and 15th, at the recommendation of the inspecting Engineer, the containment was reconstructed as intended with geotextile installed on both the underside and top of a new one piece liner.

Complete photographic details of the reconstruction were forwarded to the Engineer (B. H. Martin, P. Eng.,) and the reconstruction is approved.

Stability

The dykes are now readily able to contain any spillage.



Recommendation

In consideration of the recent work completed there are no recommendations at the present time.

3.12 Solid Waste Disposal Site

The Solid Waste Disposal site was initially reviewed in 2011 but not reported on as part of this report.

The initial berms were constructed on the south east, northeast and south west sides as per plans prepared.

Berms appear stable and garbage is being placed and covered as it is placed within the berm structures.

3.13 Overview

This report is the fifth annual Geotechnical Inspection carried out at the Mary River and the Milne Inlet sites on behalf of Baffinland Iron Mines Corporation.

Over this four year period between the first and the fifth inspection we have noted a number of things being the following:

Erosion

The weather conditions are such that little or no erosion takes place from wind or rain and the dykes constructed of the sand/gravel which forms the basis of the soils at the sites remain stable at slopes of 3:1 and 4:1.

Vegetation

The dykes, after a four year period have minor vegetation growing on the horizontal surfaces and it shall probably take decades for the dykes to obtain what we feel would be considered a stable condition with vegetation stabilizing the surface.

4.0 Milne Inlet

4.1 Bulk Fuel Containment Facility

General Conditions

The structure around the fuel farm currently conforms to the design of the facility. A review of the interior of the dyke showed only minor ponding of water with oil stains on the interior sand.



The treatment system used to treat the water prior to release to the environment remains in place and was operating at the time of our review.

The ponding of water, although minor, continues to confirm the integrity of the liner.

Stability

Our review of the area around the ponds at the base of the slopes showed no signs of oil, water or oil/water mixtures and hence we conclude that the integrity of the liner has been maintained. Tears or ruptures in the liner were not observed.

There was no sign of any settlements or seepage, at the soil structures forming the dykes.

There was one minor crack in the dyke on the north side of the north east dyke which does not affect the structural integrity of the dyke and appears to be due to the thawing of an ice lens under the dyke in this particular location.

The structure is considered to be stable in its present condition.

Recommendations

The performance of the structure in the past (2009) has been tested with ponded water within the structure. The observations noted during our past inspections have supported the conservative design of the structure. We have no recommendations at this time.

4.2 Polishing Pond/Waste Stabilization Pond

General Conditions

The PWSP was designed as storage for sewage effluent from the RBC sewage plant installed at the site during the start-up phase of the operation. At the time of this inspection, the camp was open for a small Environmental crew.

There was considerable capacity remaining in the storage facility to accommodate the camp during the start-up of the RBC plant until release criteria are met for the sewage plant.

Currently the Milne PWSP structure conforms to the design basis for the facility.

Stability

With the PWSP constructed as it is, the structure is considered stable for long term use.

There was no sign of seepage at the bottom of the dyke. There was no sign of settlement or cracking which are signs of stress in the structure.



Recommendations

Currently, the Milne Inlet PWSP conforms to the design intent and we have no recommendations.

4.3 Barrel Fuel Storage

General Conditions

This particular structure is constructed as a two cell structure.

The structure around these two cells conforms to standardized drawings prepared by our office for such a facility.

At the time of our inspection there was one cell in use (east cell) and one not in use (west cell). There was minor water ponding at the top of the sand cover in the east cell.

The west cell which was rebuilt this year was dry and not holding water. As the cell was only just rebuilt with a one piece liner and geotextile protection on the liner prior to my visit, it held no water.

Stability

Our review of the area around the ponds at the base of the slopes showed no signs of seepage.

The structures are considered stable in their present condition.

Recommendations

As this cell was recently constructed with a one piece liner and photos provided, we have no recommendations.

4.4 Hazardous Waste Storage

General Conditions

This particular structure is constructed as a 2 cell structure.

This structure conforms to the design basis for the facility.

I noted that during our last inspection there were two tears noted in the liner on one cell. This was brought to the attention of administration.

Repairs to these two minor tears were subsequently made, prior to issuing of the last report in final format, by replacing the total liner in one cell.



This was confirmed to us by Baffinland. Hence we confirmed that this structure was acceptable.

This cell was found to have water ponding at the top of the sand cover in the bottom of the cell.

This confirms the integrity of the liner in this cell.

The second cell (closest to the sea) was reconstructed with one piece liner and geotextile protection within the week prior to our inspection. There was no water ponding within the cell as with the others.

We excavated some of the sand over the liner in the bottom of the cell and found moisture in the sand to 4" above the liner confirming the integrity of this new liner.

Stability

Our review of the area around the dykes at the base of the slopes showed no signs of seepage. There were no signs of settlement or cracking which are signs of stress in the structure.

Recommendations

Currently this containment structure conforms to the design intent and we have no recommendations.

4.5 Oil and Antifreeze Containment

General Conditions

This particular structure is located between the air strip and the Bulk Fuel Storage.

The structure around this containment area conforms to standardized drawings prepared by our office.

Stability

Our review of the area around the ponds at the base of the slopes showed no signs of seepage.

There is no cracking or settlement observed in the dyke structures which can be signs of stress in the structure.

Recommendations

We have no recommendations to be made with respect to this structure.



4.6 Jet "A" Pump Containment

This small cell on the north side and adjacent to the Bulk Fuel Storage Facility containment had not been reported on earlier. This containment is to control spillage during refuelling.

There was water ponding above the sand cover but no sign of oil or hydrocarbon contamination was present.

Stability

Our review of the area around the dykes showed no sign of seepage.

There is no cracking or settlement observed in the dyke structures.

4.7 5M litre Steel Fuel Storage Tank

Although we were not the design Engineers for the containment around the 5M litre fuel tank, we reviewed the dyke protection around the fuel tank.

We noted the following:

1. There was water ponding at the top of the sand cover confirming the integrity of the liner.
2. There was rip-rap on the exterior of the dyke to control erosion.
3. Sumps were in place with pumps and appeared effective.
4. There was no sign of fuel contamination of water in the sump.

Stability

There was no cracking or settlement observed in the containment structures.



Recommendations

We have no recommendations to make with respect to this structure.

We trust that the foregoing report is acceptable for inclusion into your report for the Nunavut Water Board.

Respectfully submitted,

GENIVAR


Barry H. Martin, P. Eng., MRAIC
BHM/jw

c.c. Jim Millard





Bulk Fuel Storage Facility Containment.



Treatment operation at the Bulk Fuel Storage Facility Containment.



Outside slope of dyke at the Bulk Fuel Storage Facility containment.



Polishing/Waste Stabilization Pond No. 1



Polishing/Waste Stabilization Pond No. 3.



Vegetation Starting to grow on top of dyke only on PWSP #2.



Outside slope of dyke at PWSP No. 3.



PWSP No. 2



Outside slope of dyke at PWSP No. 2



Helicopter Fuel New Containment Cell, recently reconstructed.



Barrel Fuel Containment Cell.



Barrel Fuel Containment Cell



Outside slope of dyke at Barrel Fuel Containment Cell.



Stove Oil Storage now empty.



Hazardous Waste Storage now empty. Note water just at top of gravel.



Enviro Tank Storage now used as hazardous waste and lubricant cube storage.



Jet Fuel Tank and Pump Containment.



South east containment berm at solid waste disposal site looking north east.



North east containment berm at solid waste disposal site looking north west.



Solid waste disposal site looking west showing solid waste ready to be covered.

APPENDIX C.2 – 2012 PHOTO JOURNAL



Photo 1: Mary River Camp Overview.

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Photo 2: Heavy equipment parked at Mary River.

ᐅᐅᐅᐅᐅ 2: ᐅᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ



Photo 3: Water quality sampling on Sheardown Lake.

ᐅᐅᐅᐅᐅ 3: ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ



Photo 4: Waste sorting area at Mary River Camp.

ᐅᐅᐅᐅᐅ 4: ᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ



Photo 5: Mobile oily water treatment system at the Mary River bulk fuel storage facility.

ᐅᐅᐅᐅᐅ 5: ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ



Photo 6: Surface water sampling downstream of the Mary River landfill.

ᐅᐅᐅᐅᐅ 6: ᐅᐅᐅᐅ ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅᐅ.

			
MARY RIVER PROJECT ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅᐅ			
MARY RIVER SITE PHOTOS ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅᐅ			
(SHEET 1 OF 1)		P/A NO. NB/02-00181/11	REF. 1
			REV. 0
FIGURE C.2.1			



Photo 1: MR1-12-222 Drill Hole

ᐱᕐᕐᕐᕐᕐᕐ 1: ᐅᕐᕐᕐᕐᕐᕐᕐᕐ MR1-12-222



Photo 2: MR1-12-223 Drill Hole

ᐱᕐᕐᕐᕐᕐᕐ 2: ᐅᕐᕐᕐᕐᕐᕐᕐᕐ MR1-12-223



Photo 3: MR1-12-224 Drill Hole

ᐱᕐᕐᕐᕐᕐᕐ 3: ᐅᕐᕐᕐᕐᕐᕐᕐᕐ MR1-12-224



Photo 4: MR1-12-226 Drill Hole

ᐱᕐᕐᕐᕐᕐᕐ 4: ᐅᕐᕐᕐᕐᕐᕐᕐᕐ MR1-12-226



Photo 5: MR1-12-226 Drill Hole

ᐱᕐᕐᕐᕐᕐᕐ 5: ᐅᕐᕐᕐᕐᕐᕐᕐᕐ MR1-12-226

		
MARY RIVER PROJECT ᕐᕐᕐᕐᕐᕐᕐᕐ		
2012 DRILLING PHOTOS 2012ᕐ ᐅᕐᕐᕐᕐᕐᕐᕐᕐ ᐱᕐᕐᕐᕐᕐᕐ		
(SHEET 1 OF 1)	REF.	REV.
	1	0
FIGURE C.2.4		

APPENDIX D – DRILL WATER MONITORING SUMMARY

2012 Drill Water Summary
2013/03/31

Date: 2013 March 31
To: Note for Record
From: Jim Millard
Subject: **2012 Drill Water Summary**

Taken from the 2012 NIRB Annual Report

- Exploration Drill Monitoring

An exploration drilling water quality monitoring program has been undertaken since 2005 at selected locations upstream (reference), downstream along Mary River (potentially affected), and along steep seasonal flow channels that drain the rugged topographic terrain that characterizes the land surface in the vicinity of Deposits Nos. 1, 2, and 3. The main objective of the monitoring programs was to identify and measure major ions, as well as TSS/turbidity in Mary River, both upstream at locations unaffected by drilling activities, and downstream at locations that may be potentially affected by drilling activities. Historical and 2012 monitoring sample locations are presented on Figure 1.8.

During 2012, five exploration holes were drilled on Deposit No. 1. Samples were collected upstream of potential drilling effects (reference stations), proximal of drilling effects, and at downstream stations (potentially affected) along the Mary River in July, August, and September. One sample was collected at reference station G0-01 in July, and three samples each from G0-03 and G0-09 were collected in June, July and August, 2012. At the potentially affected stations E0-03, E0-10, C0-10, and L0-01, samples were collected in June, July, and August, 2012. There were also samples collected at Deposit 1 proximal stations F0-01, E3-01, and E4-01 in June, July, and August.

Tables 2.5, 2.6 & 2.7 present the results of the Deposit Nos. 1 to 3 water quality monitoring program for 2012 as well as for previous years. These tables include water quality monitoring stations where data is available, regardless of whether the stations were sampled in 2012 or in previous years. The results that were reported for 2012 are similar to previous years.

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2012 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

EXPLORATION DRILLING WATER QUALITY MONITORING PROGRAM - SELECTED PARAMETERS
UPSTREAM REFERENCE STATIONS (NO INFLUENCE FROM DEPOSIT NO. 1)

Site ID (date)	Turbidity (NTU)	TSS (mg/L)	TDS (mg/L)	Chloride (mg/L)	Total Calcium (mg/L)	Alkalinity (mg/L as CaCO ₃)
H0-01 (Mary River - upstream of Deposit Nos. 1, 2, and 3)						
12-Aug-05	8.5	-	34	1	6	30
09-Sep-05	2.1	-	<30	3	13	55
04-Aug-06	14.4	-	41	1	6	31
01-Sep-06	-	-	81	4	15	57
16-Jun-07	1.7	<2	38	2	7	29
29-Jul-07	15.5	8	45	1	6	32
31-Aug-07	15.1	6	95	6	14	61
09-Jun-08	0.9	<2	30	1	4	23
13-Jul-08	26.9	23	23	<1	4	18
28-Aug-08	3.5	<2	112	5	16	75
G6-01 (Mary River - upstream of Deposit Nos. 1, 2, and 3)						
04-Aug-06	2.3	-	79	<1	14	64
01-Sep-06		-	105	<1	18	83
15-Jun-07	1.0	<2	29	2	5	22
23-Jul-07	0.5	<2	95	1	16	73
31-Aug-07	0.6	<2	127	3	22	95
09-Jun-08	0.8	<2	16	1	2	11
10-Jul-08	0.5	<2	60	<1	10	46
28-Aug-08	1.6	<2	116	3	19	86
G0-09 (Mary River - upstream of Deposit Nos. 1, 2, and 3)						
18-Jun-06	1.2	-	14	<1	2	8
26-Jun-06	2.1	-	13	<1	2	8
02-Jul-06	2.7	-	7	<1	1	<5
10-Jul-06	2.0	-	15	<1	2	11
19-Jul-06	6.4	-	19	<1	3	14
31-Jul-06	20.3	-	38	<1	6	29
06-Aug-06	10.5	-	53	1	8	39
14-Aug-06	-	-	60	1	9	44
20-Aug-06	6.7	-	77	3	11	56
01-Sep-06	-	-	85	3	13	63
20-Sep-06	-	-	98	3	15	70
18-Jun-07	2.3	<2	34	2	6	26
24-Jun-07	2.7	<2	30	1	4	23
01-Jul-07	1.7	<2	16	<1	2	10
07-Jul-07	5.1	<2	29	<1	4	26
17-Jul-07	11.0	3	36	<1	5	28
22-Jul-07	33.6	18	35	1	5	26
28-Jul-07	10.5	<2	53	2	8	39
05-Aug-07	30.3	31	60	2	9	43
12-Aug-07	34.6	36	69	3	12	50
19-Aug-07	21.1	4	87	5	14	58
27-Aug-07	24.5	10	97	4	15	68
03-Sep-07	4.2	<2	111	6	18	77
09-Sep-07	2.2	<2	116	5	19	82
18-Sep-07	1.2	<2	138	7	15	93
23-Sep-07	0.7	<2	150	8	16	102
23-Jun-08	1.5	6	8	<1	1	8
02-Jul-08	1.5	<2	23	<1	4	18

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2012 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

EXPLORATION DRILLING WATER QUALITY MONITORING PROGRAM - SELECTED PARAMETERS
UPSTREAM REFERENCE STATIONS (NO INFLUENCE FROM DEPOSIT NO. 1)

Site ID (date)	Turbidity (NTU)	TSS (mg/L)	TDS (mg/L)	Chloride (mg/L)	Total Calcium (mg/L)	Alkalinity (mg/L as CaCO ₃)
08-Jul-08	1.0	<2	51	1	7	40
14-Jul-08	6.4	<2	46	1	7	34
21-Jul-08	6.9	<2	68	2	11	50
01-Aug-08	6.6	<2	74	2	11	55
05-Aug-08	0.6	<2	105	<1	13	86
11-Aug-08	3.5	5	107	3	18	79
18-Aug-08	3.0	<2	112	4	18	80
26-Aug-08	2.6	<2	111	4	18	79
01-Sep-08	1.5	<2	77	1	13	59
08-Sep-08	2.8	<2	100	4	16	73
29-Jun-09	1.5	<2	12	<1	2	12
06-Jul-09	1.3	6	21	1	3	14
20-Jul-09	9.6	2	37	<1	6	28
04-Aug-09	13.1	7	77	3	11	54
02-Sep-09	6.1	<2	117	9	18	76
14-Sep-09	1.6	2	137	7	21	94
13-Aug-10	20.4	8	60	5	9.62	39
15-Sep-10	1.3	<2	137	7	21.6	93
19-Jun-12	3.8	10	6	<1	0.781	<5
24-Jul-12	9.6	3	60	3	9.57	41
27-Aug-12	7.4	4	129	10	18.7	80
G0-03 (Mary River, upstream of Deposit Nos. 1 and 2)						
11-Jun-05	0.3	-	<30	1	2	9
08-Aug-05	4.9	-	40	<1	6	36
10-Sep-05	1.6	<2	51	2	13	57
17-Jun-06	0.4	-	18	<1	2	9
04-Aug-06	9.8	-	49	1	7	39
04-Sep-06	6.7	-	88	8	13	55
18-Jun-07	1.6	<2	29	1	5	23
22-Jul-07	11.4	<2	44	<1	6	32
09-Sep-07	2.5	<2	112	7	18	76
23-Jun-08	2.1	7	9	<1	1	<5
02-Jul-08	2.4	2	17	<1	3	11
08-Jul-08	7.0	5	27	1	4	22
14-Jul-08	7.2	<2	38	2	5	28
21-Jul-08	8.5	2	68	7	13	42
01-Aug-08	9.4	5	87	13	12	46
05-Aug-08	20.7	6	86	10	13	51
11-Aug-08	14.1	8	106	12	16	61
18-Aug-08	5.3	<2	101	5	16	66
26-Aug-08	1.7	6	106	4	16	73
01-Sep-08	5.8	3	71	3	11	49
08-Sep-08	4.5	<2	89	6	14	62
16-Sep-08	2.7	<2	102	5	16	71
29-Jun-09	1.7	<2	12	<1	2	8
06-Jul-09	0.4	<2	56	6	9	35
20-Jul-09	7.6	<2	34	<1	5	27
04-Aug-09	14.3	14	81	7	12	51
02-Sep-09	3.3	<2	252	31	23	153

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2012 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

EXPLORATION DRILLING WATER QUALITY MONITORING PROGRAM - SELECTED PARAMETERS
UPSTREAM REFERENCE STATIONS (NO INFLUENCE FROM DEPOSIT NO. 1)

Site ID (date)	Turbidity (NTU)	TSS (mg/L)	TDS (mg/L)	Chloride (mg/L)	Total Calcium (mg/L)	Alkalinity (mg/L as CaCO ₃)
14-Sep-09	1.4	<2	131	8	21	88
13-Aug-10	15.1	8	75	7	12	49
15-Sep-10	1.5	<2	128	9	19.3	81
20-Jun-12	2.8	44	6	<1	1.27	<5
24-Jul-12	7.2	<2	62	3	10.1	44
27-Aug-12	5.9	2	120	8	18.2	77
G0-05 (Mary River, upstream of Deposit Nos. 1 and 2)						
04-Aug-06	6.0	-	48	<1	7	38
04-Sep-06	6.0	-	66	1	10	50
13-Jun-07	1.5	<2	29	2	4	23
23-Jul-07	30.7	20	48	<1	7	38
31-Aug-07	6.2	<2	93	4	15	65
09-Jul-08	6.2	2	36	<1	5	28
28-Aug-08	2.3	<2	88	2	14	63
G0-01 (Mary River, upstream of Deposit No. 1 and 2)						
09-Jun-05	0.6	-	31	1	4	17
08-Aug-05	4.8	-	49	<1	6	34
10-Sep-05	1.4	-	63	2	14	60
12-Jun-06	0.6	-	42	<1	6	32
18-Jun-06	1.0	-	19	1	2	10
26-Jun-06	2.6	-	15	2	2	8
10-Jul-06	2.5	-	15	<1	2	12
19-Jul-06	4.5	-	19	<1	3	13
31-Jul-06	17.8	-	38	1	6	28
06-Aug-06	5.3	-	62	2	9	45
14-Aug-06	-	-	66	2	11	50
20-Aug-06	6.1	-	36	2	11	56
29-Aug-06	-	-	68	2	11	50
20-Sep-06	-	-	105	5	16	75
19-Jun-07	1.5	2	33	4	5	21
24-Jun-07	1.2	<2	38	3	5	27
01-Jul-07	2.4	<2	20	<1	2	15
07-Jul-07	5.7	<2	24	<1	4	22
17-Jul-07	9.1	<2	36	1	5	28
24-Jul-07	8.7	2	55	2	8	40
28-Jul-07	8.9	<2	55	2	9	40
05-Aug-07	11.5	3	70	3	11	49
12-Aug-07	7.2	4	81	4	14	57
19-Aug-07	20.9	3	85	5	13	58
27-Aug-07	11.0	6	94	5	15	64
01-Sep-07	9.3	<2	106	7	16	69
08-Sep-07	2.6	<2	115	8	19	78
18-Sep-07	0.8	<2	152	14	24	92
01-Jul-08	3.1	4	18	<1	3	13
08-Jul-08	4.9	2	29	1	4	24
14-Jul-08	7.4	3	36	1	5	28
21-Jul-08	6.1	<2	62	4	9	43

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2012 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

EXPLORATION DRILLING WATER QUALITY MONITORING PROGRAM - SELECTED PARAMETERS
UPSTREAM REFERENCE STATIONS (NO INFLUENCE FROM DEPOSIT NO. 1)

Site ID (date)	Turbidity (NTU)	TSS (mg/L)	TDS (mg/L)	Chloride (mg/L)	Total Calcium (mg/L)	Alkalinity (mg/L as CaCO ₃)
01-Aug-08	7.4	6	72	4	11	49
05-Aug-08	19.2	6	81	5	13	55
11-Aug-08	11.5	5	95	6	14	63
18-Aug-08	5.4	<2	106	7	16	69
26-Aug-08	2.5	<2	116	7	18	75
01-Sep-08	5.9	2	79	5	12	53
08-Sep-08	3.9	<2	99	6	15	66
16-Sep-08	1.9	<2	112	7	17	75
22-Jul-11	9.8	<2	56	2	8	43
29-Aug-11	5.9	<2	134	11	19	84
22-Jul-12	4.7	<2	61	3	9	42
F0-05 (Mary River - upstream of steep drainage pathways near Deposit No. 1)						
4-Aug-06	0.2	-	89	<1	15	72
4-Sep-06	0.3	-	101	<1	17	82
23-Jul-07	0.1	<2	90	<1	15	70
1-Sep-07	0.2	<2	125	<1	22	99
2-Jul-08	0.4	<2	29	<1	5	26
8-Jul-08	0.2	<2	60	<1	9	48
14-Jul-08	0.3	<2	68	<1	11	54
21-Jul-08	0.1	<2	89	<1	15	71
1-Aug-08	0.4	<2	95	<1	16	77
5-Aug-08	18.1	6	82	3	19	60
11-Aug-08	0.3	<2	112	<1	20	90
18-Aug-08	0.6	7	116	<1	20	92
26-Aug-08	0.4	<2	123	<1	21	99
1-Sep-08	0.2	<2	76	<1	13	61
8-Sep-08	0.2	<2	107	<1	18	84

Notes: Bolded dates indicate sampling events during 2012.

APPENDIX E – OTHER SUPPORTING DOCUMENTATION

APPENDIX E.1 – AANDC SITE INSPECTION REPORT AND BAFFINLAND RESPONSES



WATER USE INSPECTION REPORT

Date: Mar 20, 2012	Licensee Rep. (Name/Title): Jim Millard (Environmental Superintendent), Trevor Myers (Environment), Cliff Pilgrim (Maintenance Superintendent)
Licensee: Baffinland Iron Mines Corporation	Licence No.: 2BB-MRY1114 (Mary River Camp and Milne Inlet)

This inspection focused on the following for the Mary River Camp (main) and Milne Inlet:

- Water use and management
- Sewage and waste water management
- Fuel Management and Spill Contingency; spill follow-up
- Management of Contaminated water/substrate
- Waste Management (hazardous and non-hazardous wastes, some incineration activities)

Currently 8 personnel on site at Mary River Camp and 2 persons stationed at Milne Inlet. Main duties for crew include snow removal, monitoring and general facilities maintenance. The reopening of the tote road connecting Milne to Mary River has not yet occurred. Expected opening for the Mary River camp is May 7th.

Note: Milne is the primary point for incoming/outgoing sealift supplies for both the Milne and Mary River sites; Milne is where the bulk of fuel for the project is stored.

WATER SUPPLY

Source(s): Camp Lake (Mary River Camp)	Quantity used: 6300L (Mar 9 to Mar 20) = 6.3 m ³
Owner:/Operator: Baffinland/Pro-con	Quantity permitted (camps and drilling): 385 m ³ /day

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment Systems: see comments	Chemical Storage: NA
Flow Meas. Device: A	Conveyance Lines: NI	Pumping Stations: NA	Screen : NI

Comments: Water is pumped from Camp Lake to a holding station at the main camp via electric pump and is stored in 2 “Terra Tank” bladders. Water pumping is triggered by laser sensor, which measures the height (and thereby the volume) of the first storage bladder (A). Bladder B is kept full and is refilled from A (laser sensor activated): water from B is treated on demand via filtration and UV disinfection. Volume is measured and recorded when pump is triggered to refill Bladder A.

Water treatment system is run by Pro-con contractors, Bob Landrew and Andrew Selkirk (unavailable for comment during inspection). Log books for volume/water use and treatment system maintenance are well kept and organized; however, there are several items that require clarification:

- It was unclear what the actual procedure is for UV bulb maintenance and ultimate disposal (old/dirty UV bulbs were stored on top of a storage unit in the water treatment room). This area needs to be better organized.
- What procedure/protocol exists for decontaminating the system if a UV bulb (ie. containing mercury) breaks inside the system.
- What procedure/protocol exists if a UV bulb breaks outside the system (ie. no signage or spill kit was visible for mercury-related cleanup and/or disposal).

The Camp Lake spill site (#11-262, July 6/11) was not visible at this time (winter conditions); however, contaminated pump shack materials have been replaced, and the pump system has been converted from diesel to electric, with a back-up unit (self-contained diesel unit) on standby. Contaminated shack materials and soil were placed in Quatrex bags and drums and to be sent south for disposal. Inspector is awaiting the final results of the sampling conducted.

Milne Inlet: Potable water from Mary River Camp is transported to Milne camp for drinking and kitchen purposes. It is stored in 10 gal. pails and shock treated with chlorine as required. Water for shower use comes from snow, stored in an “onion skin” containment unit.

WASTE DISPOSAL

Sewage: Mary River - RBC (Rotating Biological Contactor system), UV disinfection and polishing ponds

Natural Water Body: NA	Continuous Discharge (land or water): NA	
Seasonal Discharge: NA	Wetlands Treatment: NA	Trench: NA

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Discharge Quality: A (refer to SNP reporting)	Decant Structure: NI	Erosion: NA
Discharge Meas. Device: NI	Dyke Inspection: NA	Seepages: NA
Dams, Dykes: NA	Freeboard: NI	Spills: NA
Construction: NA	O&M Plan: NI	A&R Plan: NI

Discharge Quality: A (refer to SNP reporting)	Decant Structure: NI	Erosion: NA
	Effluent Discharge Rate: NI	

Comments: Waste water treatment system is operated by Pro-con contractor (unavailable for comment during inspection) and appears to be well maintained. Treated effluent undergoes UV treatment before discharge to polishing ponds. Discharge from polishing pond expected to occur in July. Line is monitored during transfer to ensure any breaches are identified immediately and transfer is stopped.

Treated effluent spill (#11-339, Aug 20/11): effluent was scraped up and placed in lined secondary containment for sampling and eventual disposal (effluent met water licence discharge criteria at time of incident); confirmation of final disposal to be provided to Inspector.

Milne Inlet: The RBC unit was not operational at time of inspection; a grey water sump adjacent to tent camp was being used. Grey water from kitchen and showers is deposited in sump; pacto toilets are being used. Note: discharge of Milne effluent holding pond is anticipated during the 2012 summer season.

Solid Waste:

Landfill: NI (Not inspected)	Burn & Landfill: NA	Other: Incinerator

Comments: On far side of airstrip at Mary River Camp there are many drums storing ash/debris (leftover from old exploration activities): according to Mr. Millard, there are plans to test in 2012 to determine if it meets the criteria for their on-site non-hazardous landfill. If not, this waste is to go to a facility in the south.

Hazardous waste storage area (lined/bermed): Drums and overpacks of contaminated snow and soil are stored in the haz-waste area awaiting treatment on site (snow/water via treatment system at Milne) or backhaul to a southern facility for disposal. See further comments under Fuel Storage section.

Wastes are not inventoried or logged until prepped to go out on sea lift. Waste inventories and manifests for the 2011 backhaul are found in Appendix B.3 of the 2011 Annual Report.

Milne Inlet: Incinerator station (seacan) is well organized and in good condition.

Hazardous waste storage area (lined/bermed): There were a number of drums at Milne Inlet that did not go out on the 2011 sealift. These items are planned for removal during the 2012 backhaul; confirmation is to be provided to Inspector.

Barrels of incinerator ash and debris are stored near bermed area for drummed hazardous waste; barrels are entrenched in snow cover and stable. However, drums are not covered/capped. Drums are to be covered/capped to prevent additional snow/water from entering drums and prevent accidental release to the environment. It is to be confirmed whether the storage area for these drums is lined.

An internal waste audit was conducted in August 2011, primarily focused on incineration waste. As a result, Baffinland is looking to upgrade or replace their incinerators. Waste Audit Report is found in Appendix B.1 of the 2011 Annual Report.

FUEL STORAGE:

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Berms & Liners: U (see other comments)	Water within Berms: NA	Evidence of Leaks: Not visible due to snow cover
Drainage Pipes: NA	Pump Station & Catchments Berm: A	
Pipeline Condition: NA	Condition of Tanks: see comments	

Comments: Main fuel supply at Mary River is stored in bladders and re-supplied from facilities at Milne via truck when tote road is open. Milne is site of main fuel storage via bladders at this time; 5 million litre fuel tank has not yet been commissioned.

Mary River

Refuelling station spill (#12-065, Mar 4/12): Contaminated snow was placed into overpack drums (72 total) and stored in lined cell in the haz-waste storage area. Any free product recaptured will be added to the “contaminated fuel” inventory and reused for heating purposes; contaminated water will receive treatment at Milne Inlet via the “oily water treatment system” during warmer weather. Refuelling station has a stop valve behind nozzle in case of trigger failure.

Snow removal for buried fuel containment structures/berms, small fuel tanks and fuel heating drums areas (tent camp) around camp is needed (both at Mary River and Milne); the difficulty in keeping these structures free from snow may require physical barriers.

Generator area and “gen-set” fuel bladder: area is well marked and monitoring logs well kept. Genset spill (#12-054, Feb 27/12): contaminated soil and snow was removed and placed in overpack drums, and stored in lined cell in the hazardous waste storage area.

Nuna Shop (liner underneath): waste oil is contained in cubes behind contractor shop. Oil transfer area in shop appears messy and some housekeeping is needed. Some issues noted with compatibility of products stored in flammables cabinet.

Milne: Machinery/heavy equipment parked near incinerator was lacking drip pans/containment. Snow removal for fuel tank secondary containment structures is needed.

Refuelling station at Milne: would like additional stop valve installed on refuelling nozzle, as per best management practice observed at Mary River refuelling station.

Spill #11-374 (Sept 19/11) occurred inside bulk fuel storage (bladder farm) bermed area: 10 drums of diesel product mixed with snow were captured and will be treated via the “oily water treatment system” at Milne during warmer weather.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: NA	
0		INAC:. NA	
Signs Posted	SNP: NI		Warning: NI
Records & Reporting: Records kept on site in Environment office; well organized and easily accessible for review (see comments below)			
Geotechnical Inspection: NA (to be included in Annual Report 2011)			

OTHER: Site was under heavy snow cover in many areas of the camp (both Mary River and Milne).

- Secondary containment structures for fuel tanks were in need of snow removal
- Tent camps were not inspected (at Mary River and Milne) due to heavy snow cover –how are the fuel drums and lines being monitored for leaks?

Records & Administrative:

- Review of on-site “Environmental Compliance Inspection” log. For the date of Mar 7/12: a number of items were identified but no record of completed follow-up or corrective action taken. Would like to review completed log.
- A copy of the “Environmental Protection Plan” (Dec 2011) is to be forwarded to the Inspector
- Follow-up reports for spills (in future) are to reference the assigned Spill Line report number for ease of reference
- Confirmation of 2011 volume of “treated oily water” discharged from Milne and Mary River is to be provided to Inspector

2011 Annual Report comments:

- The Table of Contents for Appendices lack identifying page numbers for each section; lacks ease of reference. For example, Appendix B-3: waste inventory starts on (pdf) page 37/168; waste manifests start on page 40/168.
- Spill Contingency Plan (revised plan March 2012) – as per the 2011 Annual Report submission
 - o AANDC Field Operations (Inspector) not on contact list
 - o Section 6.3 (Spills on Snow and Ice) refers to a possible contaminated snow storage site; no further details are provided. This needs to be addressed in a specific plan or procedure.
 - o Lacking specifics on spill prevention, such as monitoring frequency, inspection of fuel lines and snow removal.
- Appendix D is missing information: MSDS for HACH reagents are provided (small quantities), but not provided for anything else stored in bulk on site, such as fuel, drilling products and salts, chemicals, explosives, cleaning products, etc.
- Appendix E: the Code Compliance Report (June 2011) for above-ground storage tank systems (pdf page 24-32/770) does not mention if the geotextile liners (HazGuard 500, LP-16) were inspected as well.
- Appendix E: Unable to locate the bladder tensile strength testing results as per manufacturer (SEI) certification (referring to pdf page 130/770).
- Appendix F - Oil Pollution Prevention Plan: there are a lot of “should be considered” statements in this plan. More defined and detailed procedures are required under sections 6.1 to 6.4.

Issues/Non-Compliance of Act or Licence:

- If the proponent has not already done so, the issues identified during the inspection are to be addressed and confirmation provided to the Inspector, before the next inspection, expected sometime between August and September 2012.
- Seasonal issues, such as snow removal/physical barriers are to be addressed in a plan to be and are to implemented by Fall 2012.
- Administrative issues such as revisions and updates to procedures, as identified, are to be addressed within 90 days of receipt of this report, if the proponent has not already done so.

<u>Melissa Joy</u>	<u>//Original signed by//</u>
Inspector’s Name	Inspector’s Signature

Water Use Inspection March 20, 2012

Received Report on July 16, 2012.

Excerpt from NWB Annual Report:

The March inspection focused on the following Project elements:

- Water use and management
- Sewage and waste water management
- Fuel Management and Spill Contingency; spill follow-up
- Management of Contaminated water/substrate
- Waste Management (hazardous and non-hazardous wastes, some incineration activities)

During the inspection and following a close out meeting, only minor items were identified for corrective action, some of the items being administrative in nature. The administrative items involved providing the Inspector with written follow-up to various questions associated with existing documentation and management plans. The key items identified in the field together with Baffinland's response are as follows:

Water Supply - An identified need for a UV or CFL bulb handling and disposal procedure.

Baffinland responded by developing and implementing a new procedure at site for these activities. The new procedure was hand delivered to the Inspector in August 3, 2012.

Fuel Storage - Small quantity hazardous material storage in metal Haz-Mat cabinets located throughout camp.

Baffinland conducted a follow-up inventory on the cabinets, developed a list of corrective actions that were subsequently implemented. This follow-up information was subsequently provided to the Inspector.

Solid Waste - Concerns regarding incinerator ash storage at Mary River and Milne Inlet Sites.

Baffinland responded that the drums of ash are located in dedicated areas for that purpose and the footprints of these areas are well away from surface water bodies. In addition, an incinerator ash characterization program is underway where drums at Mary River were sampled and analyzed in 2010 and drums at Mary River and additionally at Milne Inlet were sampled during August 2012. The preliminary results and recommendations indicated that most of the ash is non-hazardous and can be disposed of in the non-hazardous landfill located near the Mary River Camp. A small number of drums will need to be shipped to Southern Canada for disposal/recycling in an approved facility.

Further to these three concerns, the inspection report included the following items:

- AANDC concerns
 - o Baffinland response

Water Supply

- Inspector awaiting analytical results of sampling conducted following Pump House Spill (July 6, 2011)

- o *Letter, including soil sample results, sent Oct.5, 2012*

Hazardous Waste Storage and Disposal

- Confirmation of Hazardous Waste disposal.
 - o *Hazardous waste stored in lined containment facility awaiting final disposal.*

Fuel Storage

- Stop Valve required on Milne Inlet refuelling station
 - o *Additional stop valve installed July, 2012*
- Machinery/Equipment parked lacking drip pans/containment
 - o *Letter sent regarding the use of spill trays under mobile equipment at the Mary River site (Oct 18, 2012)*
- Fuel drums and lines in tent camps under snow cover.
 - o *Lines are empty, drums valves are closed and periodic inspections are conducted during periods of care & maintenance.*

Records and Administration

- Provide volumes of Treated Oily Water discharged to the inspector
 - o *Volumes are now included in the Monthly and Annual Water Licence Reports.*

2011 Annual Report

- Incomplete MSDS in Spill Contingency Plan Revision 5 (March 2012)
 - o *Spill Contingency Plan Revision 6 issued and distributed, July 2012.*

APPENDIX E.2 – RESPONSE FROM REQUEST FOR ERRATA - WATER LICENCE 2BB-MRY1114



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

NWB File No.: 2BB-MRY1114

January 30, 2013

James Millard, M.Sc., P.Geo.
Senior Environmental Superintendent
Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, Ontario M5H 1T1
Email: jim.millard@baffinland.com

Re: 2BB-MRY1114: Update to Pre-Technical Meeting Issues and Commitments following the Technical Meeting and Pre-Hearing Conference for the Baffinland Iron Mines Corporation's Mary River Project

Dear Mr. Millard:

The Nunavut Water Board (NWB or Board) received correspondence¹ from Baffinland Iron Mines Corporation (BIMC) requesting that changes be made to the symbolic names of some specific monitoring stations associated with BIMC's Type "B" Water Licence, 2BB-MRY1114 for the Mary River Project (Project).

Following receipt and acknowledgement of BIMC correspondence, the NWB indicated during a telephone conversation with BIMC and subsequently at the Pre-Technical Meeting held on October 18, 2012, that the changes being requested would be best addressed under any Type "A" water licence issued for the Project or following the Type A licensing process. The reason being that a Type "A" water Licence would comprehensively, capture most, if not all of the monitoring stations that are likely to be associated with activities and facilities now covered under the existing Type "B" Water Licence, as well as those linked to new activities and facilities under the type "A" application. It is expected that the aforementioned approach would likely minimize the possibility of any major or significant changes to the monitoring stations the future.

During the Pre-Technical meeting on October 18, 2012, the Qikiqtani Inuit Association (QIA) indicated that it would be helpful if the Board were to make the necessary changes now to the relevant monitoring stations as identified by BIMC. This issue was documented within Table 2 "List of Issues Requiring Follow-up Action(s) by Various Organizations" as an outstanding item included with the follow-up correspondence issued on October 25, 2012. While the Board

¹ Letter from Jim Millard, Baffinland Iron Mines Corporation (BIMC) to Phyllis Beaulieu, Nunavut Water Board (NWB), dated December 30, 2011, Re: Mary River Project, Water Licence 2BB-MRY1114 Request for Errata.

agrees with the QIA's position to some extent, the NWB believes that given the current stage of the type A water licence Application in the licensing process, it would be procedurally and technically expedient to defer the requested changes up to or until any new type "A" Licence is issued for the project so as to holistically capture any new monitoring stations as well as changes to existing monitoring stations. In addition, the requested changes, should they be considered for the type B licence, would require significant changes to the current licence and likely result in added confusion with respect to monitoring and results reporting.

Should you have any inquiries on technical matters related to the above, please contact Sean Joseph, Technical Advisor, at (604) 321-8185 or by email to sjoseph@nunavutwaterboard.org or David Hohnstein, Director of Technical Services, at (780) 443-4406 or by email to dts@nunavutwaterboard.org. For inquiries on procedural matters and/or request for information, please contact Phyllis Beaulieu, Manager of Licensing, at 867-360-6338 or by email to licensing@nunavutwaterboard.org.

Sincerely,

Original signed by:

Sean Joseph
Technical Advisor
Nunavut Water Board

cc. Mary River distribution



APPENDIX E.3 – 2012 WASTE ROCK GEOCHEMISTRY DATA

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO3 %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO4-S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
4905	MR1-12-222	134.2	136.2	4acb	8.4	0.015	0.096	18	1.3	0.011	0.01	<0.01	0.31	58	4.0
4909	MR1-12-222	142.2	144.2	4acb	8.3	0.019	0.014	14	1.6	<0.005	<0.01	<0.01	0.31	45	5.1
4910	MR1-12-222	144.2	146.4	4acb	8.0	0.018	0.016	14	1.5	0.007	<0.01	<0.01	0.31	44	4.8
4912	MR1-12-222	148.4	150.4	4a	8.2	0.58	2.8	24	4.9	0.71	0.04	0.67	21	1.2	2.3
4913	MR1-12-222	150.4	152.4	4a	8.0	2.5	12	16	207	0.58	<0.01	0.58	18	0.89	11
4915	MR1-12-222	154.4	156.4	4a	8.3	0.045	0.15	15	3.8	0.58	0.11	0.48	15	1.0	0.25
4918	MR1-12-222	160.4	162.4	4a	8.1	0.019	0.090	18	1.6	0.042	0.04	<0.01	0.31	58	5.1
4921	MR1-12-222	166.2	168.0	4a	7.8	0.018	0.024	22	1.5	0.68	0.15	0.54	17	1.3	0.090
4924	MR1-12-222	171.6	173.3	4a	8.0	0.018	0.023	19	1.5	0.024	0.02	<0.01	0.31	61	4.8
4926	MR1-12-222	175.3	177.3	9a	8.8	0.020	0.059	6.0	1.7	0.46	0.08	0.38	12	0.51	0.14
4927	MR1-12-222	177.3	179.3	9a	8.5	0.020	0.018	7.4	1.7	0.48	0.04	0.43	13	0.55	0.12
4929	MR1-12-222	181.3	183.3	9d	8.4	0.029	0.021	10	2.4	2.1	0.11	1.95	61	0.16	0.040
4931	MR1-12-222	185.3	187.3	9d	8.1	0.34	0.85	30	29	4.8	0.03	4.77	149	0.20	0.19
4932	MR1-12-222	187.3	189.3	9d	8.6	2.9	12	216	243	1.9	0.02	1.88	59	3.7	4.1
4936	MR1-12-222	194.7	196.3	9d	7.7	0.019	0.046	33	1.6	0.27	0.07	0.19	5.9	5.6	0.26
4937	MR1-12-222	196.3	198.3	9d	8.7	0.035	0.017	7.3	2.9	0.26	0.03	0.23	7.2	1.0	0.40
4941	MR1-12-222	204.3	206.3	4ac	7.8	0.023	0.044	27	1.9	0.029	0.02	0.01	0.31	85	6.2
4957	MR1-12-222	236.8	238.8	4acb	7.9	0.015	0.027	26	1.3	0.026	0.03	<0.01	0.31	82	4.0
4962	MR1-12-222	246.8	248.8	4acb	7.8	0.022	0.035	25	1.8	0.019	0.02	<0.01	0.31	79	5.9
4964	MR1-12-222	250.8	252.8	4acb	8.0	0.019	0.036	31	1.6	0.008	<0.01	<0.01	0.31	98	5.1
4966	MR1-12-222	254.8	256.8	4acb	7.7	0.020	0.037	24	1.7	0.031	0.03	<0.01	0.31	76	5.4
4995	MR1-12-223	20.96	22.60	5c	8.9	0.011	0.011	7.3	0.92	0.013	0.01	<0.01	0.31	23	3.0
4997	MR1-12-223	24.60	26.50	5c	8.5	0.016	0.053	4.9	1.3	0.010	0.01	<0.01	0.31	16	4.3
5000	MR1-12-223	30.05	32.45	4a	7.5	0.011	<0.005	13	0.92	0.089	0.08	0.01	0.31	43	3.0
15402	MR1-12-223	34.85	36.65	5c	8.5	0.011	0.017	8.2	0.92	0.156	0.06	0.09	2.8	2.9	0.32
15404	MR1-12-223	38.40	40.10	5c	8.4	0.019	0.0080	6.7	1.6	0.082	0.05	0.04	1.3	5.4	1.3
15406	MR1-12-223	42.10	44.10	4ab	7.6	0.014	0.011	11	1.2	0.048	0.05	<0.01	0.31	34	3.8
15408	MR1-12-223	46.10	48.10	4ab	7.6	0.010	0.0060	12	0.83	0.15	0.10	0.04	1.3	9.8	0.67
15411	MR1-12-223	52.10	54.10	4ab	7.5	0.011	0.0090	10	0.92	0.11	0.05	0.05	1.6	6.4	0.59
15413	MR1-12-223	56.10	58.00	4ab	7.7	0.010	0.0060	15	0.83	0.38	0.15	0.23	7.2	2.1	0.12
15414	MR1-12-223	58.00	59.70	4ab	7.7	0.012	<0.005	15	1.0	0.31	0.12	0.19	5.9	2.5	0.17
15418	MR1-12-223	65.40	67.18	4d	8.1	0.015	<0.005	17	1.3	0.40	0.08	0.32	10	1.7	0.13
15419	MR1-12-223	67.18	69.28	5c	8.2	0.027	<0.005	11	2.3	0.026	<0.01	0.02	0.63	18	3.6
15421	MR1-12-223	71.42	73.40	4b	8.8	0.010	0.022	9.1	0.83	0.049	0.01	0.04	1.3	7.3	0.70
15425	MR1-12-223	79.40	81.40	4b	9.0	0.010	<0.005	7.3	0.83	0.096	0.03	0.07	2.2	3.3	0.38
15426	MR1-12-223	81.40	83.40	4b	9.0	0.014	<0.005	6.6	1.2	0.041	0.02	0.02	0.63	11	1.9
15429	MR1-12-223	87.40	89.20	4b	8.9	0.015	<0.005	7.2	1.3	0.020	<0.01	0.01	0.31	23	4.0
15430	MR1-12-223	89.20	91.00	4b	8.8	0.0080	<0.005	7.9	0.67	0.022	<0.01	0.02	0.63	13	1.1
15434	MR1-12-223	96.60	98.60	5c	9.5	0.0060	<0.005	4.8	0.50	0.085	0.04	0.05	1.6	3.1	0.32
15435	MR1-12-223	98.60	100.60	5c	9.1	0.0080	<0.005	5.2	0.67	0.080	0.03	0.05	1.6	3.3	0.43
15438	MR1-12-223	104.60	106.60	5c	9.5	0.025	<0.005	3.1	2.1	0.009	<0.01	<0.01	0.31	9.9	6.7
15439	MR1-12-223	106.60	108.40	5c	10.2	0.0080	0.0060	5.3	0.67	0.016	0.02	<0.01	0.31	17	2.2
15442	MR1-12-223	112.05	114.10	5c	9.5	<0.005	<0.005	5.0	0.42	0.042	0.02	0.02	0.63	8.0	0.67
15445	MR1-12-223	118.10	120.10	5c	9.7	0.0070	0.033	8.5	0.58	0.010	<0.01	<0.01	0.31	27	1.9
15446	MR1-12-223	120.10	122.10	5c	9.7	0.017	0.039	7.9	1.4	0.21	0.08	0.13	4.1	1.9	0.34
15448	MR1-12-223	124.10	126.20	5c	9.7	0.0090	<0.0050	22	0.75	0.30	0.11	0.19	5.9	3.7	0.13
15451	MR1-12-223	130.40	132.46	5c	9.9	0.0090	0.012	9.7	0.75	0.18	0.06	0.11	3.4	2.8	0.21
15453	MR1-12-223	134.20	136.00	4d	9.1	0.0080	0.026	14	0.67	0.78	0.20	0.57	18	0.79	0.037
15454	MR1-12-223	136.00	137.76	4d	9.1	0.0090	0.030	19	0.75	0.10	0.05	0.05	1.6	12	0.46
15455	MR1-12-223	137.76	139.70	4b	9.0	0.0080	0.017	4.7	0.67	0.47	0.20	0.28	8.8	0.54	0.077
15456	MR1-12-223	139.70	141.60	4b	9.3	0.012	0.0060	8.1	1.0	0.019	0.02	<0.01	0.31	26	3.2
15459	MR1-12-223	145.40	147.30	4b	9.5	0.033	0.050	8.7	2.8	0.020	0.02	<0.01	0.31	28	8.9
15461	MR1-12-223	149.20	151.00	4b	9.4	0.0080	<0.005	7.8	0.67	0.18	0.08	0.10	3.13	2.5	0.22
15463	MR1-12-223	153.00	155.00	4b	8.4	0.010	0.0070	12	0.83	0.18	0.15	0.03	0.94	13	0.89
15465	MR1-12-223	157.00	159.00	4b	9.6	0.011	<0.005	21	0.92	0.92	0.32	0.60	19	1.1	0.049
15467	MR1-12-223	161.00	163.00	4b	9.7	0.0080	0.0060	4.9	0.67	0.046	0.04	0.01	0.31	16	2.2
15469	MR1-12-223	165.00	167.00	4b	9.9	0.0060	0.0050	6.9	0.50	0.014	0.01	<0.01	0.31	22	1.6
15471	MR1-12-223	169.00	170.80	4b	10	0.0070	<0.005	7.4	0.58	0.013	0.01	<0.01	0.31	24	1.9
15472	MR1-12-223	170.80	172.90	4b	9.2	0.010	<0.005	14	0.83	0.017	0.02	<0.01	0.31	45	2.7
15473	MR1-12-223	172.90	175.00	4b	9.1	0.030	0.033	13	2.5	0.182	0.14	0.04	1.3	10	2.0
4989	MR1-12-223a	11.40	13.50	4ab	9.0	0.014	0.0080	17	1.2	0.059	0.06	<0.01	0.31	54	3.8
4992	MR1-12-223a	17.70	19.90	4ab	8.1	0.014	0.011	10	1.2	0.012	0.01	<0.01	0.31	33	3.8
4994	MR1-12-223a	21.40	23.00	5c	9.1	0.010	0.034	5.7	0.83	0.032	0.02	0.01	0.31	18	2.7
15479	MR1-12-224	21.23	23.40	4ca	8.1	0.026	0.012	20	2.2	0.025	0.02	<0.01	0.31	64	7.0
15480	MR1-12-224	23.40	25.50	4ca	8.3	0.021	0.016	24	1.8	0.022	<0.01	0.02	0.63	38	2.8
15482	MR1-12-224	27.50	29.50	5a	9.2	0.027	0.029	13	2.3	0.020	<0.01	0.02	0.63	21	3.6
15484	MR1-12-224	31.30	33.10	5a	10	0.019	0.070	14	1.6	0.017	<0.01	0.02	0.63	22	2.6
15487	MR1-12-224	36.70	38.77	5a	9.2	0.047	0.042	17	3.9	0.011	<0.01	0.02	0.63	27	6.3
15490	MR1-12-224	42.77	44.77	5c	9.8	0.022	0.015	14	1.8	<0.005	<0.01	<0.01	0.31	45	5.9
15492	MR1-12-224	46.77	48.77	5c	9.3	0.018	0.020	17	1.5	0.010	<0.01	0.01	0.31	54	4.8
15493	MR1-12-224	48.77	50.77	5c	9.0	0.011	0.017	16	0.92	0.010	<0.01	0.01	0.31	50	3.0
15497	MR1-12-224	56.77	58.67	5c	9.2	0.017	0.0070	16	1.4	0.007	<0.01	<0.01	0.31	50	4.6
15498	MR1-12-224	58.67	60.57	5c	9.7	0.036	0.050	15	3.0	0.042	0.01	0.03	0.94	16	3.4
15499	MR1-12-224	60.57	62.50	5c	9.8	0.018	0.082	14	1.5	0.006	<0.01	<0.01	0.31	46	4.8
15503	MR1-12-224	67.60	69.31	5a	10	0.028	0.14	15	2.3	0.006	<0.01	<0.01	0.31	47	7.5
15506	MR1-12-224	73.31	75.11	4cb	9.9	0.034	0.067	18	2.8	0.008	<0.01	<0.01	0.31	58	9.1
15510	MR1-12-224	80.40	82.10	5a	10	0.027	0.068	10	2.3	0.030	<0.01	0.02	0.63	16	3.6
15513	MR1-12-224	85.45	87.45	5a	9.5	0.0090	0.053	8.7	0.75	0.048	0.01	0.03	0.94	9.3	0.69
15515	MR1-12-224	89.25													

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO3 %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO4-S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
15554	MR1-12-224	163.69	165.26	11ab	10	0.028	0.055	22	2.3	0.006	<0.01	<0.01	0.31	70	7.5
15556	MR1-12-224	166.76	168.25	12a	9.8	0.25	1.0	25	21	0.008	<0.01	<0.01	0.31	80	67
15559	MR1-12-224	171.03	172.83	5a	9.9	0.028	0.035	11	2.3	0.011	0.01	<0.01	0.31	35	7.5
15561	MR1-12-224	174.60	176.80	11a	10	0.033	0.075	11	2.8	0.015	0.01	<0.01	0.31	35	8.9
15564	MR1-12-224	181.14	183.14	11a	10	0.032	0.055	14	2.7	0.030	0.01	0.02	0.63	22	4.3
15566	MR1-12-224	185.14	187.14	11a	10	0.10	0.30	17	8.5	0.035	0.01	0.02	0.63	27	14
15568	MR1-12-224	189.14	191.34	11a	10	0.023	0.045	11	1.9	0.058	0.01	0.05	1.6	7.0	1.2
15570	MR1-12-224	193.54	195.82	11a	9.9	0.020	0.030	9.3	1.7	0.011	0.01	<0.01	0.31	30	5.4
15572	MR1-12-224	197.82	199.82	5a	9.9	0.088	0.32	19	7.3	0.026	<0.01	0.02	0.63	30	12
15574	MR1-12-224	201.62	203.54	5a	9.2	0.78	3.7	89	65	0.023	<0.01	0.01	0.31	285	209
15576	MR1-12-224	205.54	207.64	12a	9.6	0.14	0.51	17	11	0.006	<0.01	<0.01	0.31	54	36
15578	MR1-12-224	209.70	211.70	4cb	9.3	0.020	0.025	9.9	1.7	0.016	0.02	<0.01	0.31	32	5.4
15580	MR1-12-224	213.70	215.62	4cb	8.9	0.022	0.030	17	1.8	0.015	0.02	<0.01	0.31	54	5.9
15582	MR1-12-224	217.62	219.82	12a	9.4	0.024	0.025	7.8	2.0	<0.005	<0.01	<0.01	0.31	25	6.5
15584	MR1-12-224	222.02	224.32	12a	9.9	0.090	0.33	12	7.5	0.014	0.01	<0.01	0.31	38	24
15585	MR1-12-224	224.32	226.32	11ab	9.9	0.036	0.13	11	3.0	0.008	<0.01	<0.01	0.31	35	9.7
15587	MR1-12-224	228.32	229.92	11a	10	0.013	0.030	9.2	1.1	0.009	<0.01	<0.01	0.31	29	3.5
15591	MR1-12-224	234.02	236.22	11b	9.9	0.033	0.11	9.4	2.8	<0.005	<0.01	<0.01	0.31	30	8.9
15593	MR1-12-224	238.42	240.71	11b	8.8	0.040	0.020	20	3.3	0.015	0.01	<0.01	0.31	65	11
15595	MR1-12-224	242.71	244.71	5a	10	0.027	0.025	13	2.3	0.019	<0.01	0.01	0.31	42	7.3
15596	MR1-12-224	244.71	246.71	5a	10	0.062	0.11	14	5.2	0.024	0.01	0.01	0.31	45	17
15597	MR1-12-224	246.71	248.55	5a	10	0.064	0.21	13	5.3	0.006	<0.01	<0.01	0.31	41	17
15598	MR1-12-224	248.55	250.55	11ab	10	0.44	1.9	44	37	0.014	0.01	<0.01	0.31	140	119
15599	MR1-12-224	250.55	252.00	11ab	10	0.28	1.2	35	24	0.007	<0.01	<0.01	0.31	111	76
15702	MR1-12-225	14.00	16.00	5c	9.1	0.063	0.12	10	5.3	0.011	0.01	<0.01	0.31	32	17
15703	MR1-12-225	16.00	18.00	5c	9.5	0.024	0.040	7.6	2.0	0.009	<0.01	<0.01	0.31	24	6.5
15706	MR1-12-225	22.00	24.00	5c	9.2	0.018	0.065	13	1.5	0.010	0.01	<0.01	0.31	42	4.8
15709	MR1-12-225	28.00	30.00	5c	9.5	0.013	0.030	13	1.1	0.006	<0.01	<0.01	0.31	42	3.5
15711	MR1-12-225	32.00	34.00	5c	9.5	0.013	0.030	8.9	1.1	0.006	<0.01	<0.01	0.31	28	3.5
15713	MR1-12-225	36.00	38.00	5c	9.6	0.013	0.030	14	1.1	0.009	<0.01	<0.01	0.31	45	3.5
15715	MR1-12-225	40.00	42.00	5c	9.8	0.016	0.030	12	1.3	0.007	<0.01	<0.01	0.31	38	4.3
15717	MR1-12-225	44.00	45.70	5c	9.4	0.019	0.035	24	1.6	0.008	<0.01	<0.01	0.31	77	5.1
15719	MR1-12-225	47.40	49.10	4b	9.7	0.19	0.72	35	16	0.016	<0.01	0.02	0.63	56	26
15721	MR1-12-225	51.00	53.00	4b	9.9	0.22	0.71	55	19	0.008	<0.01	<0.01	0.31	176	60
15723	MR1-12-225	55.30	57.50	4b	9.9	0.10	0.30	24	8.4	0.12	0.03	0.09	2.8	8.5	3.0
15725	MR1-12-225	59.70	62.11	4b	9.8	0.30	1.4	41	25	0.008	<0.01	<0.01	0.31	131	82
15726	MR1-12-225	62.11	64.00	5a	9.8	0.13	0.52	25	11	0.006	<0.01	<0.01	0.31	80	35
15729	MR1-12-225	68.00	70.00	5a	9.8	0.69	2.9	77	58	0.014	<0.01	0.01	0.31	246	186
15731	MR1-12-225	72.00	74.00	5a	9.6	0.43	1.9	51	36	0.009	<0.01	<0.01	0.31	163	116
15733	MR1-12-225	76.00	78.00	5a	9.6	0.71	3.1	65	59	0.021	<0.01	0.02	0.63	104	95
15735	MR1-12-225	80.00	82.00	5a	9.9	0.56	2.5	56	47	0.010	<0.01	<0.01	0.31	179	150
15738	MR1-12-225	86.00	88.00	5a	10	0.44	2.1	44	37	<0.005	<0.01	<0.01	0.31	140	119
15739	MR1-12-225	88.00	90.00	5a	10	0.068	0.24	16	5.7	0.041	0.03	0.01	0.31	51.8	18
15742	MR1-12-225	94.00	96.00	5a	10	1.0	4.9	93	87	<0.005	<0.01	<0.01	0.31	298	280
15743	MR1-12-225	96.00	98.00	5a	10	0.064	0.18	13	5.3	0.033	0.03	<0.01	0.31	41	17
15746	MR1-12-225	102.08	105.35	4b	10	0.17	0.74	27	14	0.009	<0.01	<0.01	0.31	88	47
15749	MR1-12-225	109.00	111.00	5a	9.9	0.073	0.25	19	6.1	0.006	<0.01	<0.01	0.31	60	20
15751	MR1-12-225	113.00	115.00	5a	9.4	0.28	0.87	33	24	0.054	0.04	0.01	0.31	106	76
15752	MR1-12-225	115.00	117.00	5a	9.8	0.040	0.064	11	3.3	0.052	0.04	0.02	0.63	17	5.4
15755	MR1-12-225	121.00	123.00	5a	10	0.030	0.054	14	2.5	0.028	0.03	<0.01	0.31	45	8.1
15757	MR1-12-225	124.74	126.80	11ba	10	0.014	0.025	15	1.2	0.034	0.03	<0.01	0.31	46	3.8
15758	MR1-12-225	126.80	128.90	11ba	9.7	0.016	0.037	18	1.3	0.010	<0.01	<0.01	0.31	59	4.3
15760	MR1-12-225	131.00	133.00	11ba	9.8	0.009	0.052	13	0.75	0.009	<0.01	<0.01	0.31	43	2.4
15764	MR1-12-225	138.40	140.34	11ba	10	0.016	0.027	20	1.3	0.007	<0.01	<0.01	0.31	63	4.3
15766	MR1-12-225	142.37	144.30	11ba	10	0.034	0.083	20	2.8	0.007	<0.01	<0.01	0.31	62	9.1
15768	MR1-12-225	146.00	148.00	11ba	9.8	0.021	0.025	15	1.8	0.015	0.01	<0.01	0.31	49	5.6
15769	MR1-12-225	148.00	150.00	11ba	10	0.020	0.011	14	1.7	0.006	<0.01	<0.01	0.31	44	5.4
15772	MR1-12-225	154.00	155.70	11ba	10	0.014	0.009	16	1.2	0.008	<0.01	<0.01	0.31	52	3.8
15774	MR1-12-225	157.50	159.80	5a	10	0.064	0.15	12	5.3	0.028	0.02	0.01	0.31	39	17
15776	MR1-12-225	162.06	164.00	11ba	10	0.026	0.076	18	2.2	0.009	<0.01	<0.01	0.31	58	7.0
15779	MR1-12-225	168.00	170.00	11ba	10	0.044	0.11	21	3.7	0.008	<0.01	<0.01	0.31	66	12
15780	MR1-12-225	170.00	172.00	11ba	10	0.073	0.23	22	6.1	0.009	<0.01	<0.01	0.31	70	20
15783	MR1-12-225	176.00	178.00	11ba	10	0.074	0.18	22	6.2	0.047	0.03	0.02	0.63	36	9.9
15785	MR1-12-225	180.00	182.00	11ba	10	0.022	0.017	17	1.8	0.019	0.02	<0.01	0.31	55	5.9
15787	MR1-12-225	184.00	186.00	11ba	10	0.096	0.41	16	8.0	0.035	0.02	0.02	0.63	26	13
15789	MR1-12-225	188.00	190.00	11ba	9.9	0.041	0.15	12	3.4	0.007	<0.01	<0.01	0.31	38	11
15790	MR1-12-225	190.00	192.00	11ba	9.9	0.012	0.056	9.9	1.0	0.027	0.03	<0.01	0.31	32	3.2
15793	MR1-12-225	196.00	198.00	11ba	10	0.091	0.37	16	7.6	0.025	0.01	0.01	0.31	51	24
15794	MR1-12-225	198.00	200.00	11ba	9.5	0.042	0.13	13	3.5	0.011	0.01	<0.01	0.31	42	11
15796	MR1-12-225	202.00	204.00	11ba	9.8	0.18	0.76	21	15	0.008	<0.01	<0.01	0.31	68	47
15799	MR1-12-225	208.00	210.20	11ba	9.6	0.16	0.57	20	13	0.027	0.03	<0.01	0.31	63	42
15800	MR1-12-225	210.20	212.40	11ba	9.9	0.31	1.3	31	26	0.100	0.03	0.07	2.2	14	13
15802	MR1-12-225	214.65	217.00	5a	10	0.23	1.1	24	19	0.010	0.01	<0.01	0.31	77	63
15805	MR1-12-225	221.40	223.60	5a	9.9	0.28	1.2	25	23	0.038	0.02	0.02	0.63	39	38
15806	MR1-12-225	223.60	225.80	5a	9.6	0.12	0.48	14	9.7	0.015	0.02	<0.01	0.31	45	31
15808	MR1-12-225	228.00	230.00	11a	9.7	0.052	0.14	13	4.3	0.030	0.03	<0.01	0.31	41	14
15810	MR1-12-225	232.00	234.00	11a	9.9	0.13	0.55	16	11	0.010	<0.01	<0.01	0.31	50	35
15813	MR1-12-225	238.00	240.00	11a	9.7	0.016	0.021	9.9	1.3	0.009	<0.01	<0.01	0.31	32	4.3
15814	MR1-12-225	240.00	242.00												

Table 1 - Acid Base Accounting Results

Sample ID	Borehole ID	From	To	Rock Code	Paste pH units	C %	CO ₃ %	NP kg CaCO ₃ /t	Carb NP kg CaCO ₃ /t	S %	SO ₄ -S %	Sulphide* %	AP** kg CaCO ₃ /t	NPR NP/AP	Carb NPR Carb NP/AP
15661	MR1-12-226	132.95	134.75	4acb	9.7	0.020	0.020	25	1.7	<0.005	<0.01	<0.01	0.31	79	5.4
15664	MR1-12-226	138.44	140.44	5a	9.6	0.025	0.025	15	2.1	<0.005	<0.01	<0.01	0.31	49	6.7
15665	MR1-12-226	140.44	142.44	5c	9.7	0.013	0.010	14	1.1	<0.005	<0.01	<0.01	0.31	44	3.5
15669	MR1-12-226	148.00	150.00	5c	9.3	0.020	0.010	7.8	1.7	<0.005	<0.01	<0.01	0.31	25	5.4
15670	MR1-12-226	150.00	152.00	5c	9.4	0.013	0.015	16	1.1	<0.005	<0.01	<0.01	0.31	51	3.5
15674	MR1-12-226	158.00	160.00	5c	9.2	0.015	0.015	16	1.3	<0.005	<0.01	0.02	0.63	25	2.0
15678	MR1-12-226	166.00	168.00	5c	9.7	0.013	0.015	15	1.1	<0.005	<0.01	0.01	0.31	47	3.5
15679	MR1-12-226	168.00	170.00	5c	9.7	0.012	0.015	14	1.0	<0.005	<0.01	0.01	0.31	44	3.2
15681	MR1-12-226	172.00	174.00	5c	10	0.023	0.040	15	1.9	0.055	0.02	0.04	1.3	12	1.7
15683	MR1-12-226	176.00	178.00	5c	10	0.017	0.015	15	1.4	0.005	<0.01	0.01	0.31	47	4.6
15685	MR1-12-226	180.00	182.00	5c	9.9	0.020	0.020	14	1.7	0.033	<0.01	0.03	0.94	15	1.8
15688	MR1-12-226	186.00	188.00	5c	9.0	0.10	0.16	13	8.7	0.033	<0.01	0.03	0.94	14	9.2
15691	MR1-12-226	192.00	194.00	5c	9.6	0.054	0.13	15	4.5	0.024	<0.01	0.03	0.94	16	4.8
15692	MR1-12-226	194.00	196.00	5c	9.5	0.042	0.095	11	3.5	0.007	<0.01	<0.01	0.31	35	11
15695	MR1-12-226	199.52	201.20	4b	9.7	0.029	0.070	8.9	2.4	<0.005	<0.01	<0.01	0.31	28	7.8
15696	MR1-12-226	201.20	203.00	5c	9.7	0.049	0.11	12	4.1	0.034	<0.01	0.03	0.94	13	4.3
15700	MR1-12-226	209.00	211.00	5c	10	0.029	0.075	11	2.4	0.012	0.01	<0.01	0.31	35	7.8
15837	MR1-12-226	211.00	213.00	5c	9.4	0.33	1.5	32	28	0.021	0.02	<0.01	0.31	101	89
15840	MR1-12-226	217.50	219.89	5c	9.9	0.087	0.14	11	7.3	0.037	0.04	<0.01	0.31	35	23
15841	MR1-12-226	219.89	222.28	5c	9.8	0.021	0.059	7.5	1.8	<0.005	<0.01	<0.01	0.31	24	5.6
15844	MR1-12-226	226.00	228.30	5c	9.5	0.022	0.071	8.3	1.8	0.063	0.03	0.03	0.94	8.9	2.0
15845	MR1-12-226	228.30	230.30	3	9.0	0.063	0.26	16	5.3	0.025	0.03	<0.01	0.31	52	17
15847	MR1-12-226	232.30	234.30	3	9.4	0.025	0.072	13	2.1	0.104	0.07	0.03	0.94	14	2.2
15850	MR1-12-226	237.57	240.40	3	9.9	0.14	0.61	19	12	0.067	0.03	0.04	1.3	15	9.5
15852	MR1-12-226	242.40	244.40	3	9.8	0.11	0.42	20	9.2	0.065	0.04	0.03	0.94	21	9.8
15854	MR1-12-226	246.40	248.40	3	9.8	0.039	0.088	11	3.3	0.022	0.02	<0.01	0.31	36	10
15856	MR1-12-226	250.40	252.20	3	9.6	0.22	0.93	29	19	0.049	0.03	0.02	0.63	47	30
15858	MR1-12-226	254.00	255.80	3	9.4	0.084	0.30	15	7.0	0.023	0.02	<0.01	0.31	49	23
15860	MR1-12-226	258.00	260.00	5a	9.9	0.040	0.13	12	3.3	0.014	0.01	<0.01	0.31	38	11
15862	MR1-12-226	262.00	264.00	5a	9.7	0.26	1.2	29	21	0.13	0.06	0.08	2.5	12	8.6
15864	MR1-12-226	266.00	268.00	5a	9.8	0.027	0.083	11	2.3	0.027	0.03	<0.01	0.31	36	7.3
15867	MR1-12-226	271.70	274.00	4bc	9.4	0.11	0.46	20	9.3	0.033	0.02	0.01	0.31	63	30
15869	MR1-12-226	275.10	277.14	4bc	9.3	0.014	0.033	2.9	1.2	<0.005	<0.01	<0.01	0.31	9.3	3.8
15871	MR1-12-226	278.90	281.45	4bc	9.8	0.046	0.16	5.0	3.8	0.013	0.01	<0.01	0.31	16	12
15872	MR1-12-226	281.45	283.65	4bc	9.7	0.023	0.059	8.6	1.9	<0.005	<0.01	<0.01	0.31	28	6.2
15873	MR1-12-226	283.65	285.85	4bc	9.9	0.027	0.067	9.9	2.3	0.005	<0.01	<0.01	0.31	32	7.3
15874	MR1-12-226	285.85	287.50	4bc	9.7	0.035	0.056	9.5	2.9	0.008	<0.01	<0.01	0.31	30	9.4
15875	MR1-12-226	287.50	289.14	4bc	9.7	0.047	0.18	14	3.9	0.23	0.09	0.14	4.4	3.2	0.89

Note:

* by difference

** calculated from total carbon

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
4905	MR1-12-222	134.2	136.2	4acb	<0.1	5.80	<0.5	200	1.7	0.09	0.10	<0.02	31	250	54	11.00	0.94	28	6.20	1100	0.3	0.042
4906	MR1-12-222	136.2	138.2	4acb	<0.1	6.30	0.5	33	1.6	1.8	0.12	<0.02	32	230	55	14.00	0.11	27	7.60	1500	3.1	0.012
4907	MR1-12-222	138.2	140.2	4acb	<0.1	6.40	<0.5	290	1.6	0.16	0.11	<0.02	35	290	32	12.00	0.52	22	7.70	1800	0.2	0.024
4908	MR1-12-222	140.2	142.2	4acb	<0.1	5.00	<0.5	530	0.98	0.12	0.10	<0.02	40	310	38	7.00	1.30	23	3.70	680	0.3	0.047
4909	MR1-12-222	142.2	144.2	4acb	<0.1	5.50	<0.5	400	1.4	<0.09	0.11	<0.02	36	280	13	9.30	0.82	21	5.10	1300	0.3	0.033
4910	MR1-12-222	144.2	146.4	4acb	<0.1	6.50	<0.5	19	0.89	<0.09	0.11	<0.02	49	240	57	13.00	0.05	12	7.10	1400	0.6	0.008
4911	MR1-12-222	146.4	148.4	4a	<0.1	6.00	12	100	1.8	0.26	0.25	0.02	49	900	25	16.00	0.36	20	7.60	1600	8.0	0.020
4912	MR1-12-222	148.4	150.4	4a	<0.1	5.20	190	280	1.3	0.64	0.97	0.25	53	500	42	14.00	0.81	21	6.00	1400	66	0.023
4913	MR1-12-222	150.4	152.4	4a	<0.1	5.50	84	57	1.8	2.0	0.11	0.13	55	150	86	13.00	0.62	25	7.40	1700	7.3	0.016
4914	MR1-12-222	152.4	154.4	4a	<0.1	5.90	33	36	1.8	2.0	0.18	0.06	43	150	180	14.00	0.45	25	8.40	2000	5.0	0.015
4915	MR1-12-222	154.4	156.4	4a	<0.1	4.10	74	200	1.1	0.14	0.10	0.06	31	210	64	8.10	1.30	14	4.10	1000	1.4	0.028
4916	MR1-12-222	156.4	158.4	4a	<0.1	4.20	48	90	1.2	<0.09	0.10	<0.02	28	120	49	7.50	0.96	16	4.80	1600	0.7	0.022
4917	MR1-12-222	158.4	160.4	4a	<0.1	5.90	9.1	62	2.1	<0.09	0.13	<0.02	18	95	21	11.00	0.79	25	8.30	2500	0.4	0.018
4918	MR1-12-222	160.4	162.4	4a	<0.1	5.20	1.3	97	1.8	<0.09	0.12	<0.02	18	86	2.9	12.00	0.87	24	6.70	2100	0.7	0.023
4919	MR1-12-222	162.4	164.4	4a	<0.1	6.00	11	20	1.5	<0.09	0.17	<0.02	45	150	45	16.00	0.18	28	8.60	1600	2.1	0.013
4920	MR1-12-222	164.4	166.2	4a	<0.1	6.80	5.0	70	4.0	<0.09	0.22	<0.02	17	22	27	20.00	1.30	21	7.40	2600	2.4	0.040
4921	MR1-12-222	166.2	168.0	4a	<0.1	7.20	8.2	72	4.4	<0.09	0.24	<0.02	20	43	30	15.00	0.82	24	8.70	2800	1.4	0.022
4922	MR1-12-222	168.0	169.8	4a	<0.1	4.90	1.6	220	1.7	<0.09	0.10	<0.02	43	570	31	8.30	1.30	24	4.80	1200	2.3	0.038
4923	MR1-12-222	169.8	171.6	4a	<0.1	4.60	<0.5	31	2.7	0.11	0.07	<0.02	5.2	130	1.6	7.10	0.58	14	6.70	2300	0.5	0.021
4924	MR1-12-222	171.6	173.3	4a	<0.1	5.50	<0.5	36	2.8	0.24	0.07	<0.02	4.2	110	3.5	11.00	0.36	32	8.50	2400	1.1	0.014
4925	MR1-12-222	173.3	175.3	9a	<0.1	0.06	3.6	0.83	0.13	<0.09	0.05	<0.02	2.2	46	3.2	11.00	0.01	<2	0.29	180	0.7	0.008
4926	MR1-12-222	175.3	177.3	9a	<0.1	0.03	4.5	0.30	0.08	<0.09	0.03	<0.02	1.9	42	1.4	13.00	0.01	<2	0.15	46	0.6	0.009
4927	MR1-12-222	177.3	179.3	9a	<0.1	0.03	8.0	0.34	0.07	<0.09	0.04	<0.02	1.6	32	1.3	12.00	0.01	<2	0.40	48	0.4	0.008
4928	MR1-12-222	179.3	181.3	9a	<0.1	0.03	5.1	0.60	0.06	<0.09	0.05	<0.02	1.4	33	2.5	12.00	0.01	<2	0.38	45	0.6	0.008
4929	MR1-12-222	181.3	183.3	9d	<0.1	0.13	27	0.83	0.14	0.10	0.15	<0.02	5.9	11	6.1	36.00	0.01	<2	0.53	140	1.1	0.008
4930	MR1-12-222	183.3	185.3	9d	<0.1	0.11	43	1.1	0.11	<0.09	0.07	<0.02	7.0	12	22	35.00	0.01	<2	0.55	140	4.0	0.006
4931	MR1-12-222	185.3	187.3	9d	<0.1	0.12	27	1.6	0.13	0.10	0.62	0.02	13	11	9.3	37.00	0.01	<2	0.75	1200	0.6	0.008
4932	MR1-12-222	187.3	189.3	9d	<0.1	0.12	19	1.9	0.16	0.22	4.60	<0.02	8.6	11	14	36.00	0.01	<2	2.10	9500	0.9	0.012
4933	MR1-12-222	189.3	191.3	9d	<0.1	0.08	15	1.4	0.14	0.14	0.07	<0.02	4.0	42	18	31.00	0.01	<2	0.27	340	0.7	0.007
4934	MR1-12-222	191.3	193.3	9d	<0.1	0.20	26	2.8	0.19	0.41	0.08	<0.02	6.9	52	27	28.00	0.01	<2	0.49	120	1.2	0.006
4935	MR1-12-222	193.3	194.7	9d	<0.1	0.21	28	3.1	0.21	0.14	0.17	<0.02	8.7	28	18	40.00	0.01	<2	0.52	160	0.8	0.005
4936	MR1-12-222	194.7	196.3	9d	<0.1	4.70	2.2	16	1.6	<0.09	0.34	<0.02	13	450	3.1	16.00	0.12	30	7.30	1200	0.8	0.012
4937	MR1-12-222	196.3	198.3	9d	<0.1	0.08	5.7	1.1	0.23	<0.09	0.11	<0.02	3.1	44	5.5	36.00	0.01	<2	0.25	110	0.6	0.006
4938	MR1-12-222	198.3	200.3	4ac	<0.1	2.70	18	24	1.5	0.16	0.26	<0.02	19	250	38	33.00	0.12	21	4.30	890	3.0	0.006
4939	MR1-12-222	200.3	202.3	4ac	<0.1	3.70	2.8	100	2.1	<0.09	0.31	<0.02	18	320	51	32.00	0.21	25	5.70	1100	7.5	0.010
4940	MR1-12-222	202.3	204.3	4ac	<0.1	6.60	<0.5	120	4.0	<0.09	0.42	<0.02	23	600	34	13.00	0.56	45	9.70	1600	0.8	0.013
4941	MR1-12-222	204.3	206.3	4ac	<0.1	6.60	<0.5	35	4.4	<0.09	0.43	<0.02	29	920	23	12.00	0.66	52	12.00	1700	0.8	0.014
4942	MR1-12-222	206.3	208.1	4ac	<0.1	6.80	0.9	18	3.8	<0.09	0.44	0.02	25	610	22	12.00	0.46	52	13.00	1900	0.9	0.014
4957	MR1-12-222	236.8	238.8	4acb	<0.1	6.70	0.6	130	5.2	<0.09	0.41	<0.02	25	680	6.1	15.00	0.47	38	9.20	2200	2.0	0.018
4958	MR1-12-222	238.8	240.8	4acb	<0.1	7.10	<0.5	200	5.3	<0.09	0.43	<0.02	29	730	46	13.00	0.63	30	9.40	2500	2.3	0.020
4959	MR1-12-222	240.8	242.8	4acb	<0.1	6.40	1.0	110	5.2	<0.09	0.50	<0.02	26	730	90	12.00	0.27	40	12.00	2100	0.2	0.013
4960	MR1-12-222	242.8	244.8	4acb	<0.1	6.60	<0.5	9.4	3.9	<0.09	0.51	<0.02	28	650	45	11.00	0.19	42	13.00	2000	<0.1	0.011
4961	MR1-12-222	244.8	246.8	4acb	<0.1	6.90	<0.5	7.7	4.4	0.44	0.51	<0.02	28	730	31	11.00	0.25	45	13.00	2200	0.2	0.013
4962	MR1-12-222	246.8	248.8	4acb	<0.1	6.70	<0.5	52	6.8	0.66	0.46	<0.02	28	640	32	11.00	0.39	36	12.00	2500	0.2	0.014
4963	MR1-12-222	248.8	250.8	4acb	<0.1	6.40	<0.5	38	4.8	<0.09	0.47	<0.02	31	830	56	13.00	0.11	40	9.50	1900	<0.1	0.014
4964	MR1-12-222	250.8	252.8	4acb	<0.1	6.70	<0.5	130	4.3	<0.09	0.52	<0.02	30	680	30	15.00	0.71	39	8.60	1800	<0.1	0.020
4965	MR1-12-222	252.8	254.8	4acb	<0.1	6.40	2.1	95	3.7	0.13	0.53	<0.02	25	490	18	15.00	0.48	40	8.30	1800	1.7	0.019
4966	MR1-12-222	254.8	256.8	4acb	<0.1	7.00	<0.5	52	5.3	0.14	0.47	<0.02	30	770	48	13.00	0.25	35	9.40	2100	0.4	0.017
4967	MR1-12-222	256.8	258.8	4acb	<0.1	6.80	<0.5	200	5.8	0.12	0.47	<0.02	25	670	43	14.00	0.64	40	9.80	2200	0.4	0.017
4968	MR1-12-222	258.8	260.2	4acb	<0.1	7.10	<0.5	72	6.6	<0.09	0.54	0.02	27	580	5.2	15.00	0.34	30	8.50	1600	0.3	0.016
4995	MR1-12-223	20.96	22.60	5c	<0.1	2.40	<0.5	86	1.1	<0.09	0.07	0.02	12	42	2.6	3.20	0.70	11	2.30	170	0.3	0.015
4996	MR1-12-223	22.60	24.60	5c	<0.1	1.90	<0.5	82	1.4	<0.09	0.09	0.03	9.7	18	3.9	2.50	0.62	10	1.70	160	0.8	0.012
4997	MR1-12-223	24.60	26.50	5c	<0.1	2.00	<0.5	85	0.99	<0.09	0.07	0.03	12	29	3.8	2.90	0.60	9	1.90	140	0.4	0.008
4998	MR1-12-223	26.50	28.30	5c	<0.1	1.80	<0.5	120	0.63	<0.09	0.11	0.04	11	25	11	2.70	0.69	9	1.60	170	0.8	0.011
4999	MR1-12-223	28.30	30.05	5c	<0.1	1.90	2.1	120	0.78	0.30	0.09	0.06	15	22	14	2.90	0.75	10	1.70	160	0.6	0.008
5000	MR1-12-223	30.05	32.45	4a	<0.1	6.60	<0.5	48	2.6	0.30	0.21	0.06	27	69	5.0	9.50	0.55	25	8.30	250	0.3	0.016
15401	MR1-12-223	32.45	34.85	4a	<0.1	4.10	<0.5	51	1.7	0.23												

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15413	MR1-12-223	56.10	58.00	4ab	<0.1	6.10	<0.5	28	2.3	0.46	0.38	0.10	22	1.2	3.9	10.00	0.19	27	6.90	240	6.2	0.011
15414	MR1-12-223	58.00	59.70	4ab	<0.1	6.40	<0.5	29	2.1	0.47	0.33	0.06	26	2.4	8.5	12.00	0.18	21	7.50	230	1.5	0.010
15415	MR1-12-223	59.70	61.70	4d	<0.1	5.10	<0.5	510	1.4	0.18	0.34	0.07	13	17	2.7	8.00	2.60	19	3.60	320	1.0	0.052
15416	MR1-12-223	61.70	63.70	4d	<0.1	5.30	<0.5	580	2.6	<0.09	0.45	0.06	13	6.7	1.5	7.50	2.50	27	3.70	300	3.1	0.052
15417	MR1-12-223	63.70	65.40	4d	<0.1	6.60	1.4	640	1.7	0.43	1.39	0.29	25	32	39	10.00	3.00	28	4.60	340	28	0.059
15418	MR1-12-223	65.40	67.18	4d	<0.1	6.30	<0.5	360	2.1	0.53	0.50	0.09	21	31	7.3	9.70	1.60	37	5.10	260	0.3	0.034
15419	MR1-12-223	67.18	69.28	5c	<0.1	4.50	<0.5	120	1.9	<0.09	0.16	<0.02	15	25	1.1	6.70	0.80	21	4.90	180	0.3	0.021
15420	MR1-12-223	69.28	71.42	5c	<0.1	4.30	<0.5	190	1.6	<0.09	0.18	0.03	16	24	1.8	5.90	1.30	21	4.20	190	0.1	0.029
15421	MR1-12-223	71.42	73.40	4b	<0.1	3.40	<0.5	100	1.1	<0.09	0.09	<0.02	15	29	1.4	4.90	0.67	16	3.50	160	0.4	0.020
15422	MR1-12-223	73.40	75.40	4b	<0.1	1.70	<0.5	180	0.67	0.09	0.12	0.02	8.1	47	11	2.60	0.73	8	1.30	150	0.5	0.019
15423	MR1-12-223	75.40	77.40	4b	<0.1	1.90	2.4	230	0.83	<0.09	0.08	0.03	7.7	46	22	2.80	1.10	10	1.30	230	0.4	0.021
15424	MR1-12-223	77.40	79.40	4b	<0.1	2.20	<0.5	210	1.3	<0.09	0.08	<0.02	13	46	16	3.20	0.95	12	1.70	220	0.7	0.022
15425	MR1-12-223	79.40	81.40	4b	<0.1	2.50	<0.5	200	0.90	<0.09	0.09	<0.02	15	24	12	3.40	1.00	16	2.10	230	0.4	0.016
15426	MR1-12-223	81.40	83.40	4b	<0.1	2.40	<0.5	160	0.81	<0.09	0.10	<0.02	14	37	9.1	2.90	1.10	19	2.00	340	0.7	0.018
15427	MR1-12-223	83.40	85.40	4b	<0.1	1.70	<0.5	97	0.90	<0.09	0.12	0.02	11	32	4.9	2.00	0.75	11	1.60	270	0.7	0.016
15428	MR1-12-223	85.40	87.40	4b	<0.1	2.50	<0.5	130	1.1	<0.09	0.10	<0.02	15	25	2.6	2.60	1.10	17	2.40	410	0.4	0.019
15429	MR1-12-223	87.40	89.20	4b	<0.1	2.50	<0.5	160	1.4	<0.09	0.11	<0.02	16	37	3.3	2.40	1.20	28	2.00	360	0.4	0.022
15430	MR1-12-223	89.20	91.00	4b	<0.1	2.70	<0.5	140	1.8	<0.09	0.11	0.20	16	28	1.1	2.80	0.94	34	2.20	290	1.0	0.020
15431	MR1-12-223	91.00	92.90	4b	<0.1	2.20	<0.5	170	1.1	<0.09	0.09	<0.02	16	23	1.4	2.50	0.92	18	1.80	290	0.5	0.015
15432	MR1-12-223	92.90	94.60	4b	<0.1	2.40	6.2	220	1.2	0.13	0.09	0.04	15	26	18	3.30	1.00	22	1.80	300	1.4	0.014
15433	MR1-12-223	94.60	96.60	5c	<0.1	1.70	11	230	0.82	0.16	0.13	0.07	15	48	23	2.50	0.88	10	1.20	180	1.4	0.022
15434	MR1-12-223	96.60	98.60	5c	<0.1	1.10	<0.5	140	1.0	<0.09	0.07	0.06	8.0	40	20	1.70	0.57	7	0.87	150	0.5	0.009
15435	MR1-12-223	98.60	100.60	5c	<0.1	0.88	<0.5	100	0.24	<0.09	0.07	0.08	5.6	21	20	1.30	0.47	5	0.68	120	0.6	0.008
15436	MR1-12-223	100.60	102.60	5c	<0.1	0.79	<0.5	120	0.34	0.48	0.05	0.10	4.5	62	5.4	0.98	0.27	5	0.71	200	0.2	0.013
15437	MR1-12-223	102.60	104.60	5c	<0.1	0.55	<0.5	87	0.17	0.51	0.05	0.07	5.7	71	12	0.74	0.14	4	0.47	160	0.2	0.010
15438	MR1-12-223	104.60	106.60	5c	<0.1	0.84	0.5	150	0.24	0.13	0.06	<0.02	4.0	24	18	1.00	0.24	5	0.70	180	0.4	0.010
15439	MR1-12-223	106.60	108.40	5c	<0.1	1.10	0.6	110	0.42	0.13	0.06	0.05	4.3	5.0	8.2	1.40	0.35	7	0.92	160	1.0	0.013
15440	MR1-12-223	108.40	110.20	5c	<0.1	2.20	3.3	160	1.2	0.29	1.20	0.52	10	2.4	25	3.30	0.88	12	1.70	280	2.0	0.026
15441	MR1-12-223	110.20	112.05	5c	<0.1	1.10	1.2	140	0.42	<0.09	0.05	0.09	7.8	2.9	38	1.90	0.59	5	0.71	140	3.0	0.024
15442	MR1-12-223	112.05	114.10	5c	<0.1	1.30	0.6	130	0.68	<0.09	0.04	0.03	4.6	22	10	1.80	0.57	6	0.89	150	5.0	0.018
15443	MR1-12-223	114.10	116.10	5c	<0.1	2.60	1.7	330	0.98	0.30	0.19	0.14	10	2.7	34	4.20	1.40	11	1.90	360	4.9	0.030
15444	MR1-12-223	116.10	118.10	5c	<0.1	1.80	0.6	210	0.54	<0.09	0.19	0.12	11	13	18	2.70	0.74	9	1.60	270	2.8	0.025
15445	MR1-12-223	118.10	120.10	5c	<0.1	1.80	<0.5	170	0.45	0.10	0.23	0.13	11	14	1.7	2.90	0.65	11	1.60	390	0.7	0.015
15446	MR1-12-223	120.10	122.10	5c	<0.1	1.50	<0.5	280	0.35	0.21	0.31	0.61	11	16	24	3.10	0.71	9	1.00	390	0.4	0.017
15447	MR1-12-223	122.10	124.10	5c	<0.1	1.30	<0.5	230	0.30	<0.09	0.34	0.18	8.7	15	3.3	2.90	0.59	9	0.94	360	0.3	0.016
15448	MR1-12-223	124.10	126.20	5c	<0.1	1.90	<0.5	340	0.44	0.10	0.19	0.17	8.8	2.5	27	3.20	1.10	7	1.20	330	0.8	0.019
15449	MR1-12-223	126.20	128.30	5c	<0.1	3.40	<0.5	340	0.81	<0.09	0.26	0.16	12	9.8	18	5.00	2.10	12	2.30	540	3.3	0.026
15450	MR1-12-223	128.30	130.40	5c	<0.1	3.70	<0.5	390	0.65	<0.09	0.24	0.18	12	1.6	39	5.40	2.40	15	2.40	580	3.9	0.037
15451	MR1-12-223	130.40	132.46	5c	<0.1	3.40	0.8	380	0.36	<0.09	0.21	2.0	12	15	17	4.70	2.30	14	2.20	440	5.9	0.041
15452	MR1-12-223	132.46	134.20	4d	<0.1	6.50	8.0	530	1.4	0.14	0.25	1.5	29	110	74	18.00	3.80	27	4.20	450	8.5	0.082
15453	MR1-12-223	134.20	136.00	4d	<0.1	8.00	1.0	670	1.6	0.15	0.40	2.3	21	200	51	11.00	5.20	42	5.10	820	30	0.110
15454	MR1-12-223	136.00	137.76	4d	<0.1	9.30	6.0	450	3.0	<0.09	0.74	0.25	24	380	14	13.00	4.10	44	6.70	750	2.4	0.074
15455	MR1-12-223	137.76	139.70	4b	<0.1	5.90	1.0	260	2.1	<0.09	0.13	0.20	13	14	40	7.70	3.50	41	4.00	840	2.3	0.056
15456	MR1-12-223	139.70	141.60	4b	<0.1	3.60	<0.5	140	2.1	<0.09	0.14	0.05	10	8.7	1.5	3.80	2.00	36	2.60	410	0.3	0.037
15457	MR1-12-223	141.60	143.50	4b	<0.1	3.60	<0.5	130	2.5	<0.09	0.12	0.03	9.8	6.6	1.1	3.70	2.00	40	2.50	410	0.1	0.046
15458	MR1-12-223	143.50	145.40	4b	<0.1	5.00	<0.5	250	1.1	1.8	0.17	0.36	27	71	3.3	5.70	3.40	36	3.50	620	210	0.071
15459	MR1-12-223	145.40	147.30	4b	<0.1	4.30	<0.5	170	2.5	<0.09	0.13	0.09	12	85	2.4	4.50	2.70	27	3.50	710	1.6	0.054
15460	MR1-12-223	147.30	149.20	4b	<0.1	4.20	<0.5	210	2.3	<0.09	0.06	0.05	7.4	22	14	4.20	2.70	19	3.10	680	5.0	0.067
15461	MR1-12-223	149.20	151.00	4b	<0.1	2.90	<0.5	120	1.5	<0.09	0.07	0.59	7.5	20	33	3.40	1.60	27	2.00	390	3.5	0.034
15462	MR1-12-223	151.00	153.00	4b	<0.1	4.50	<0.5	160	3.6	<0.09	0.19	0.16	12	110	20	5.10	1.70	47	3.50	570	5.3	0.053
15463	MR1-12-223	153.00	155.00	4b	<0.1	5.80	<0.5	170	3.0	<0.09	0.38	0.12	20	96	20	7.30	2.10	55	4.70	650	4.9	0.039
15464	MR1-12-223	155.00	157.00	4b	<0.1	4.70	<0.5	170	1.7	<0.09	0.43	0.30	9.5	76	2.0	5.40	2.30	37	3.60	590	22	0.050
15465	MR1-12-223	157.00	159.00	4b	<0.1	6.10	<0.5	260	1.9	<0.09	1.00	1.2	17	31	53	7.80	4.00	37	4.60	960	6.2	0.061
15466	MR1-12-223	159.00	161.00	4b	<0.1	3.80	<0.5	210	1.8	<0.09	0.33	0.18	9.7	160	1.9	3.50	2.30	23	3.00	680	1.5	0.054
15467	MR1-12-223	161.00	163.00	4b	<0.1	1.00	<0.5	75	0.64	4.9	0.03	0.19	2.9	12	13	1.00	0.74	11	0.82	260	87	0.019
15468	MR1-12-223	163.00	165.00	4b	<0.1	2.70	<0.5	250	1.1	<0.09	0.05	0.09	4.5	44	3.8	2.10	2.00	20	1.90	570	7.1	0.044
15469	MR1-12-223	165.00	167.00	4b	<0.1	2.50	<0.5	110														

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15480	MR1-12-224	23.40	25.50	4ca	<0.1	6.80	<0.5	570	1.3	0.32	0.11	0.04	24	230	5.1	16.00	2.00	32	4.30	660	3.0	0.036
15481	MR1-12-224	25.50	27.50	5a	<0.1	5.50	<0.5	720	1.3	0.11	0.14	0.03	20	320	7.8	7.60	2.00	29	3.60	470	2.1	0.049
15482	MR1-12-224	27.50	29.50	5a	<0.1	3.30	0.7	530	0.63	0.16	0.03	0.03	16	210	33	5.20	1.90	20	1.60	240	8.2	0.044
15483	MR1-12-224	29.50	31.30	5a	<0.1	3.00	<0.5	320	0.29	<0.09	0.06	0.03	8.6	89	12	5.00	1.90	14	1.10	140	4.9	0.058
15484	MR1-12-224	31.30	33.10	5a	<0.1	3.00	<0.5	300	0.37	<0.09	0.05	<0.02	6.7	100	12	4.20	2.00	11	1.40	120	6.6	0.055
15485	MR1-12-224	33.10	34.90	5a	<0.1	2.30	<0.5	140	0.75	<0.09	0.01	<0.02	4.9	100	27	3.10	1.30	9	1.20	120	2.3	0.050
15486	MR1-12-224	34.90	36.70	5a	<0.1	2.70	<0.5	180	0.88	<0.09	0.07	0.02	5.1	99	36	3.40	1.50	24	1.50	210	4.4	0.049
15487	MR1-12-224	36.70	38.77	5a	<0.1	3.90	<0.5	310	1.2	<0.09	0.15	<0.02	6.8	94	14	4.60	1.80	58	2.40	370	4.0	0.056
15488	MR1-12-224	38.77	40.77	5c	<0.1	2.60	<0.5	160	0.82	<0.09	0.10	<0.02	7.9	79	2.2	3.60	1.30	14	1.50	350	1.0	0.049
15489	MR1-12-224	40.77	42.77	5c	<0.1	2.50	<0.5	230	0.61	<0.09	0.14	0.02	6.6	120	35	4.20	1.40	14	1.30	340	3.4	0.038
15490	MR1-12-224	42.77	44.77	5c	<0.1	2.40	<0.5	140	0.85	<0.09	0.10	0.03	7.6	100	16	3.10	1.40	10	1.30	350	2.8	0.048
15491	MR1-12-224	44.77	46.77	5c	<0.1	3.00	<0.5	200	0.93	<0.09	0.10	<0.02	8.6	78	3.6	3.60	1.50	20	1.80	360	1.2	0.051
15492	MR1-12-224	46.77	48.77	5c	<0.1	3.80	<0.5	320	0.77	<0.09	0.19	<0.02	10	78	7.9	4.60	2.10	36	2.10	290	1.0	0.079
15493	MR1-12-224	48.77	50.77	5c	<0.1	3.50	<0.5	220	0.72	<0.09	0.20	<0.02	13	74	5.2	4.40	1.90	21	2.00	320	0.8	0.062
15494	MR1-12-224	50.77	52.77	5c	<0.1	3.20	<0.5	200	0.74	<0.09	0.15	<0.02	13	89	6.8	4.20	1.40	23	2.00	380	9.3	0.055
15495	MR1-12-224	52.77	54.77	5c	<0.1	3.30	<0.5	120	0.83	0.09	0.20	<0.02	12	73	5.0	4.90	1.10	26	2.40	570	1.9	0.034
15496	MR1-12-224	54.77	56.77	5c	<0.1	2.90	<0.5	310	0.48	<0.09	0.18	<0.02	10	69	14	4.10	1.70	26	1.80	790	2.0	0.091
15497	MR1-12-224	56.77	58.67	5c	<0.1	2.70	<0.5	340	0.52	<0.09	0.17	<0.02	12	67	7.8	4.20	1.40	27	1.70	690	4.0	0.055
15498	MR1-12-224	58.67	60.57	5c	<0.1	2.20	<0.5	430	0.24	<0.09	0.24	<0.02	9.0	74	12	3.80	1.30	20	1.10	670	2.2	0.082
15499	MR1-12-224	60.57	62.50	5c	<0.1	2.10	<0.5	220	0.17	0.15	0.20	<0.02	11	48	2.2	3.20	1.50	23	1.10	540	28	0.110
15500	MR1-12-224	62.50	64.20	5a	<0.1	1.70	<0.5	260	0.21	<0.09	0.32	<0.02	7.0	68	14	3.20	1.20	18	0.73	430	2.3	0.120
15501	MR1-12-224	64.20	65.90	5a	<0.1	1.60	<0.5	230	0.20	<0.09	0.30	0.02	6.5	62	37	3.00	1.30	19	0.69	380	1.4	0.110
15502	MR1-12-224	65.90	67.60	5a	<0.1	1.70	<0.5	230	0.26	0.12	0.33	0.03	7.8	63	50	3.20	1.20	19	0.72	370	2.0	0.110
15503	MR1-12-224	67.60	69.31	5a	<0.1	1.80	<0.5	240	0.18	<0.09	0.37	<0.02	7.7	57	5.8	3.10	1.40	21	0.74	350	1.2	0.120
15504	MR1-12-224	69.31	71.31	4cb	<0.1	1.80	<0.5	120	0.34	<0.09	0.18	<0.02	8.6	65	11	2.60	1.30	20	1.00	400	1.5	0.140
15505	MR1-12-224	71.31	73.31	4cb	<0.1	2.50	<0.5	170	0.22	<0.09	0.51	<0.02	14	94	25	3.50	1.90	25	1.80	560	0.7	0.110
15506	MR1-12-224	73.31	75.11	4cb	<0.1	2.50	<0.5	150	0.24	<0.09	0.31	<0.02	12	74	12	3.40	1.90	26	1.70	530	1.1	0.100
15507	MR1-12-224	75.11	76.91	4cb	<0.1	2.30	<0.5	140	0.20	<0.09	0.22	0.03	11	48	6.1	3.50	1.70	25	1.40	520	1.0	0.110
15508	MR1-12-224	76.91	78.70	4cb	<0.1	1.70	<0.5	160	0.22	0.15	0.26	0.07	7.3	61	15	2.90	1.20	20	0.87	410	0.9	0.110
15509	MR1-12-224	78.70	80.40	5a	<0.1	1.70	<0.5	200	0.11	<0.09	0.28	<0.02	7.9	29	17	3.50	1.40	19	0.77	350	0.9	0.044
15510	MR1-12-224	80.40	82.10	5a	<0.1	1.80	<0.5	250	0.15	<0.09	0.28	<0.02	7.7	23	15	3.30	1.40	22	0.85	410	0.7	0.058
15511	MR1-12-224	82.10	83.45	5a	<0.1	3.10	<0.5	440	0.18	0.17	0.21	<0.02	16	30	74	5.70	2.50	29	1.70	770	0.6	0.047
15512	MR1-12-224	83.45	85.45	5a	<0.1	3.40	<0.5	550	0.20	0.10	0.47	0.03	18	92	31	5.80	2.60	32	2.10	850	0.7	0.047
15513	MR1-12-224	85.45	87.45	5a	<0.1	2.30	<0.5	370	0.22	<0.09	0.17	<0.02	12	39	23	4.00	1.70	26	1.40	630	0.8	0.052
15514	MR1-12-224	87.45	89.25	5ab	<0.1	2.00	<0.5	170	0.13	<0.09	0.11	<0.02	9.5	24	3.3	3.40	1.60	24	1.10	560	0.2	0.049
15515	MR1-12-224	89.25	90.95	5ab	<0.1	2.60	<0.5	430	0.29	0.41	0.22	<0.02	11	58	10	3.90	1.90	29	1.50	690	0.7	0.120
15516	MR1-12-224	90.95	92.79	5ab	<0.1	2.90	<0.5	420	0.34	<0.09	0.24	<0.02	15	110	19	4.30	2.20	30	2.30	670	2.2	0.110
15517	MR1-12-224	92.79	94.79	4acb	<0.1	1.80	<0.5	94	0.33	0.18	1.50	0.07	15	260	28	3.00	1.60	24	2.00	460	0.7	0.085
15518	MR1-12-224	94.79	96.49	4acb	<0.1	1.40	<0.5	66	0.38	<0.09	1.30	0.06	12	240	40	2.30	1.10	21	1.70	320	0.8	0.081
15519	MR1-12-224	96.49	98.19	4acb	<0.1	2.20	<0.5	410	0.29	<0.09	0.37	0.04	11	120	17	3.30	1.30	23	1.80	400	1.2	0.099
15520	MR1-12-224	98.19	99.89	4acb	<0.1	2.70	<0.5	410	0.50	<0.09	0.42	0.02	14	170	17	3.50	1.20	30	2.70	690	1.4	0.072
15521	MR1-12-224	99.89	101.59	4acb	<0.1	3.20	<0.5	290	0.73	0.39	2.60	0.19	20	550	13	3.50	1.40	50	3.30	680	1.4	0.042
15522	MR1-12-224	101.59	103.41	4acb	<0.1	4.00	<0.5	500	0.52	<0.09	2.80	0.16	30	760	16	4.60	2.20	52	4.70	840	1.3	0.045
15523	MR1-12-224	103.41	105.41	5a	<0.1	1.60	<0.5	170	0.23	<0.09	1.90	0.11	4.8	67	31	2.10	1.20	14	1.10	830	4.2	0.130
15524	MR1-12-224	105.41	107.41	5a	<0.1	1.80	<0.5	160	0.14	<0.09	0.91	0.05	7.8	54	44	2.70	1.50	16	1.30	730	1.8	0.140
15525	MR1-12-224	107.41	109.41	5a	<0.1	2.00	<0.5	160	0.18	<0.09	0.77	0.02	8.8	45	38	2.80	1.60	18	1.30	700	1.3	0.110
15526	MR1-12-224	109.41	111.41	5a	<0.1	0.68	<0.5	120	0.15	<0.09	1.50	0.03	1.8	62	5.1	0.88	0.44	6	0.43	460	4.8	0.097
15527	MR1-12-224	111.41	113.51	5a	<0.1	1.00	<0.5	160	0.16	<0.09	1.30	0.03	3.4	73	29	1.40	0.71	10	0.75	490	2.3	0.100
15528	MR1-12-224	113.51	115.61	5a	<0.1	1.10	<0.5	88	0.16	<0.09	1.80	0.03	2.7	62	5.1	1.30	0.66	9	0.66	600	1.1	0.110
15529	MR1-12-224	115.61	117.80	5a	<0.1	1.20	<0.5	140	0.19	<0.09	1.80	0.03	3.5	55	14	1.70	0.89	10	0.75	660	1.6	0.094
15530	MR1-12-224	117.80	119.80	4bc	<0.1	2.60	<0.5	92	0.63	<0.09	0.77	0.02	9.0	85	29	3.10	1.80	26	2.00	710	6.2	0.092
15531	MR1-12-224	119.80	121.60	4bc	<0.1	3.00	<0.5	160	0.19	<0.09	0.49	0.05	12	62	6.9	3.80	2.40	24	1.90	710	1.4	0.120
15532	MR1-12-224	121.60	123.39	4bc	<0.1	2.00	<0.5	130	0.22	<0.09	0.47	0.04	8.1	67	3.2	2.50	1.50	20	1.10	510	1.0	0.140
15533	MR1-12-224	123.39	125.39	11ab	<0.1	1.50	<0.5	95	0.22	<0.09	0.28	0.04	7.6	67	9.0	2.00	1.20	15	0.72	320	1.7	0.074
15534	MR1-12-224	125.39	127.39	11ab	<0.1	1.80	<0.5	110	0.14	<0.09	0.24	0.05	9.8	57	25	2.50	1.50	17	0.87	330	1.5	0.067
15535	MR1-12-224	127.39	129.39	11ab	<0.1	1.70	<0.5	87	0.13	<0.09	0.29	0.03	6.6	58	12	2.30	1.30	16	0.70	430	0.9	0.092

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15549	MR1-12-224	153.89	155.89	11ab	<0.1	1.80	<0.5	130	0.35	<0.09	0.24	<0.02	10	79	21	2.50	1.00	20	1.10	350	1.4	0.054
15550	MR1-12-224	155.89	157.89	11ab	<0.1	2.70	<0.5	69	0.35	<0.09	0.80	0.05	21	320	27	3.10	1.10	45	3.00	440	0.8	0.024
15551	MR1-12-224	157.89	159.89	11ab	<0.1	3.60	<0.5	160	0.50	<0.09	0.57	0.05	26	370	26	4.30	2.40	44	3.70	620	1.0	0.038
15552	MR1-12-224	159.89	161.89	11ab	<0.1	2.10	<0.5	140	0.30	<0.09	0.22	0.18	12	59	43	3.00	1.40	19	1.20	460	1.5	0.047
15553	MR1-12-224	161.89	163.69	11ab	<0.1	1.90	<0.5	64	0.41	<0.09	1.70	0.42	7.2	66	83	2.30	1.20	22	1.50	980	0.9	0.099
15554	MR1-12-224	163.69	165.26	11ab	<0.1	1.90	<0.5	69	0.26	<0.09	0.21	0.09	7.7	53	12	2.70	1.60	24	1.20	570	1.1	0.065
15555	MR1-12-224	165.26	166.76	12a	<0.1	0.72	<0.5	19	0.30	0.16	0.53	0.15	1.3	81	25	0.82	0.41	12	0.49	360	1.0	0.081
15556	MR1-12-224	166.76	168.25	12a	<0.1	0.72	<0.5	13	0.31	0.18	0.88	0.30	1.4	89	26	0.91	0.27	12	0.62	440	1.9	0.071
15557	MR1-12-224	168.25	169.03	11ab	<0.1	1.20	<0.5	26	0.34	0.19	1.30	0.28	6.2	54	26	2.00	0.33	17	1.20	670	1.1	0.031
15558	MR1-12-224	169.03	171.03	5a	<0.1	1.70	<0.5	63	0.27	<0.09	0.23	0.02	8.7	59	7.4	2.40	0.89	20	0.95	350	1.2	0.068
15559	MR1-12-224	171.03	172.83	5a	<0.1	1.80	<0.5	75	0.24	<0.09	0.15	0.02	9.9	38	6.8	2.40	1.30	20	0.96	350	0.6	0.054
15560	MR1-12-224	172.83	174.60	5a	<0.1	2.10	<0.5	88	0.27	<0.09	1.40	0.03	11	53	8.8	3.00	1.40	27	1.60	740	1.6	0.077
15561	MR1-12-224	174.60	176.80	11a	<0.1	1.80	<0.5	110	0.25	<0.09	0.23	0.04	8.3	61	14	2.60	1.40	20	0.98	460	0.7	0.086
15562	MR1-12-224	176.80	179.14	11a	<0.1	2.30	<0.5	92	0.38	<0.09	0.86	0.02	10	72	14	3.30	1.40	39	2.20	630	1.6	0.073
15563	MR1-12-224	179.14	181.14	11a	<0.1	2.40	<0.5	140	0.22	<0.09	0.38	0.06	12	43	26	3.90	2.00	25	1.30	520	1.3	0.095
15564	MR1-12-224	181.14	183.14	11a	<0.1	2.00	<0.5	120	0.19	<0.09	0.40	0.08	9.2	70	29	3.20	1.60	20	0.97	420	1.9	0.095
15565	MR1-12-224	183.14	185.14	11a	<0.1	2.20	<0.5	130	0.16	<0.09	0.36	0.16	11	41	42	3.70	1.80	21	1.00	420	0.8	0.099
15566	MR1-12-224	185.14	187.14	11a	<0.1	2.10	<0.5	120	0.29	<0.09	0.81	0.17	9.5	60	22	3.20	1.60	20	1.10	550	1.4	0.097
15567	MR1-12-224	187.14	189.14	11a	<0.1	2.40	<0.5	130	0.29	<0.09	0.55	0.16	9.2	58	18	3.40	1.80	27	1.30	550	1.5	0.110
15568	MR1-12-224	189.14	191.34	11a	<0.1	1.90	<0.5	85	0.23	<0.09	0.32	0.17	11	36	32	3.00	1.50	22	0.92	340	0.7	0.073
15569	MR1-12-224	191.34	193.54	11a	<0.1	1.90	<0.5	78	0.21	<0.09	0.23	0.14	9.5	53	5.5	2.80	1.50	23	1.10	430	2.7	0.068
15570	MR1-12-224	193.54	195.82	11a	<0.1	1.90	<0.5	50	0.25	<0.09	0.16	0.13	10	31	9.3	2.60	1.40	24	1.20	440	0.5	0.058
15571	MR1-12-224	195.82	197.82	5a	<0.1	2.20	<0.5	79	0.32	0.47	0.18	0.54	12	64	96	3.00	1.60	28	1.40	570	1.5	0.064
15572	MR1-12-224	197.82	199.82	5a	<0.1	3.00	<0.5	150	0.32	<0.09	0.62	0.17	14	44	15	4.10	2.30	25	1.90	980	0.6	0.082
15573	MR1-12-224	199.82	201.62	5a	<0.1	2.60	<0.5	62	0.62	<0.09	0.75	0.06	12	67	31	3.60	1.60	38	2.40	810	1.5	0.087
15574	MR1-12-224	201.62	203.54	5a	<0.1	2.90	<0.5	60	0.97	<0.09	2.70	0.04	9.3	26	18	4.40	1.20	58	4.00	1300	3.7	0.048
15575	MR1-12-224	203.54	205.54	12a	<0.1	1.30	<0.5	11	0.73	<0.09	3.80	0.03	2.7	84	12	1.90	0.25	37	2.30	1000	4.5	0.035
15576	MR1-12-224	205.54	207.64	12a	<0.1	0.90	<0.5	12	0.50	0.10	0.42	<0.02	1.7	70	26	1.30	0.24	17	1.10	290	1.1	0.039
15577	MR1-12-224	207.64	209.70	12a	<0.1	1.70	<0.5	20	0.80	0.14	0.15	<0.02	5.0	83	23	2.60	0.42	30	1.90	410	1.5	0.032
15578	MR1-12-224	209.70	211.70	4cb	<0.1	2.10	<0.5	42	0.58	<0.09	0.14	<0.02	11	57	21	3.20	1.10	31	1.60	500	0.5	0.034
15579	MR1-12-224	211.70	213.70	4cb	<0.1	2.00	<0.5	51	0.55	<0.09	0.14	<0.02	10	48	17	3.10	1.10	29	1.60	500	0.8	0.029
15580	MR1-12-224	213.70	215.62	4cb	<0.1	2.90	<0.5	43	1.1	<0.09	0.12	<0.02	25	97	48	4.50	1.00	55	3.30	890	1.0	0.016
15581	MR1-12-224	215.62	217.62	12a	<0.1	0.67	<0.5	11	0.47	<0.09	0.04	<0.02	1.9	99	25	1.00	0.26	13	0.52	190	2.2	0.045
15582	MR1-12-224	217.62	219.82	12a	<0.1	0.82	<0.5	11	0.52	<0.09	0.04	<0.02	2.6	65	35	1.20	0.27	20	0.74	230	1.2	0.041
15583	MR1-12-224	219.82	222.02	12a	<0.1	0.80	<0.5	7.2	0.52	<0.09	0.19	<0.02	1.9	110	46	1.20	0.25	17	0.74	270	2.5	0.053
15584	MR1-12-224	222.02	224.32	12a	<0.1	0.82	<0.5	10	0.36	<0.09	0.28	<0.02	2.2	110	33	1.20	0.42	13	0.69	480	2.7	0.051
15585	MR1-12-224	224.32	226.32	11ab	<0.1	2.20	<0.5	59	0.32	<0.09	0.27	<0.02	8.9	39	12	2.70	1.60	25	1.50	730	1.0	0.090
15586	MR1-12-224	226.32	228.32	11ab	<0.1	2.40	<0.5	76	0.28	<0.09	0.18	<0.02	12	41	11	3.30	1.90	25	1.50	590	0.5	0.071
15587	MR1-12-224	228.32	229.92	11a	<0.1	2.10	<0.5	65	0.28	<0.09	0.14	<0.02	12	39	3.1	3.10	1.70	22	1.20	410	0.8	0.068
15588	MR1-12-224	229.92	231.37	11a	<0.1	2.40	<0.5	94	0.25	<0.09	0.24	<0.02	11	28	3.3	3.40	1.80	26	1.40	490	0.4	0.077
15589	MR1-12-224	231.37	232.02	11ab	<0.1	2.40	<0.5	70	0.22	<0.09	0.22	<0.02	12	37	7.4	3.60	2.00	23	1.40	490	0.8	0.056
15590	MR1-12-224	232.02	234.02	11b	<0.1	1.10	<0.5	57	0.28	<0.09	0.28	0.04	3.8	66	20	1.50	0.72	13	0.61	410	0.8	0.069
15591	MR1-12-224	234.02	236.22	11b	<0.1	1.40	<0.5	90	0.28	<0.09	0.18	<0.02	5.4	80	9.3	2.00	1.10	14	0.85	550	1.7	0.065
15592	MR1-12-224	236.22	238.42	11b	<0.1	2.30	<0.5	53	0.59	<0.09	0.14	<0.02	11	37	5.4	3.60	1.20	39	2.50	640	0.6	0.051
15593	MR1-12-224	238.42	240.71	11b	<0.1	2.90	<0.5	49	0.85	<0.09	0.18	<0.02	15	49	5.3	4.60	1.10	53	3.20	1000	0.9	0.045
15594	MR1-12-224	240.71	242.71	5a	<0.1	3.20	<0.5	110	0.73	<0.09	0.26	<0.02	19	88	8.4	5.30	1.70	45	3.20	1100	1.4	0.067
15595	MR1-12-224	242.71	244.71	5a	<0.1	2.20	<0.5	170	0.22	<0.09	0.26	0.04	12	69	65	3.80	1.80	18	1.30	560	1.9	0.067
15596	MR1-12-224	244.71	246.71	5a	<0.1	2.20	0.7	190	0.19	0.12	0.38	<0.02	12	66	77	4.10	1.90	19	1.20	520	1.1	0.061
15597	MR1-12-224	246.71	248.55	5a	<0.1	1.50	0.5	190	0.21	<0.09	0.41	<0.02	5.8	78	32	2.60	1.20	15	0.79	400	0.4	0.073
15598	MR1-12-224	248.55	250.55	11ab	<0.1	1.40	<0.5	82	0.21	<0.09	1.90	0.05	5.3	76	13	2.20	1.00	11	0.98	900	0.5	0.085
15599	MR1-12-224	250.55	252.00	11ab	<0.1	2.10	<0.5	150	0.20	0.09	1.30	<0.02	11	70	15	3.40	1.70	18	1.50	1100	3.0	0.110
15701	MR1-12-225	12.30	14.00	5c	<0.1	3.20	24	55	3.4	1.8	0.12	0.07	130	82	110	9.90	0.22	77	1.00	1200	8.3	0.018
15702	MR1-12-225	14.00	16.00	5c	<0.1	2.50	4.0	200	0.78	0.13	0.17	0.04	23	73	25	4.40	0.79	32	1.40	320	0.5	0.024
15703	MR1-12-225	16.00	18.00	5c	<0.1	1.80	1.8	190	0.46	<0.09	0.12	0.05	9.5	71	17	2.90	0.61	11	0.91	220	0.4	0.030
15704	MR1-12-225	18.00	20.00	5c	<0.1	2.10	0.5	260	0.43	<0.09	0.12	0.06	10	64	9.1	3.20	0.58	11	1.30	280	0.3	0.027
15705	MR1-12-225	20.00	22.00	5c	<0.1	2.10	0.6	230	0.64	<0.09	0.12	0.03	7.9	71	4.1	3.30						

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15719	MR1-12-225	47.40	49.10	4b	<0.1	2.80	<0.5	160	0.71	<0.36	1.70	0.07	6.6	51	9.6	2.90	1.40	28	1.90	1200	1.4	0.052
15720	MR1-12-225	49.10	51.00	4b	<0.1	2.00	<0.5	150	0.62	<0.13	1.70	0.07	5.7	68	53	2.30	0.99	20	1.10	770	2.5	0.063
15721	MR1-12-225	51.00	53.00	4b	<0.1	2.90	<0.5	180	0.72	<0.09	1.90	0.05	5.5	56	7.1	2.90	1.50	24	1.40	1000	0.9	0.082
15722	MR1-12-225	53.00	55.30	4b	<0.1	3.80	<0.5	240	0.66	<0.46	1.20	0.03	11	64	38	4.90	2.30	31	2.30	1000	1.5	0.110
15723	MR1-12-225	55.30	57.50	4b	<0.1	2.80	<0.5	180	0.29	<0.31	0.89	0.04	13	50	41	4.20	2.00	22	1.70	820	0.3	0.082
15724	MR1-12-225	57.50	59.70	4b	<0.1	4.20	<0.5	200	0.41	<0.09	0.80	<0.02	14	48	4.3	4.80	2.90	23	2.30	960	0.2	0.210
15725	MR1-12-225	59.70	62.11	4b	<0.1	3.10	<0.5	140	0.52	<0.09	2.00	0.05	10	56	3.6	3.70	1.80	25	1.90	1200	1.3	0.071
15726	MR1-12-225	62.11	64.00	5a	<0.1	2.20	<0.5	160	0.51	<0.09	1.40	0.06	3.9	52	6.2	2.60	0.98	18	1.20	820	0.5	0.064
15727	MR1-12-225	64.00	66.00	5a	<0.1	1.60	<0.5	170	0.28	<0.09	2.10	0.10	3.5	75	12	2.00	0.94	12	0.88	910	2.5	0.088
15728	MR1-12-225	66.00	68.00	5a	<0.1	1.80	<0.5	140	0.62	<0.09	1.80	0.05	3.6	58	8.0	2.10	0.86	17	1.10	840	0.9	0.095
15729	MR1-12-225	68.00	70.00	5a	<0.1	1.90	<0.5	150	0.46	<0.09	2.80	0.05	3.7	42	14	2.90	0.95	18	1.50	1300	0.6	0.100
15730	MR1-12-225	70.00	72.00	5a	<0.1	2.70	<0.5	48	0.72	0.12	3.50	0.03	7.8	40	180	4.40	0.71	52	3.30	1700	0.2	0.050
15731	MR1-12-225	72.00	74.00	5a	<0.1	2.20	0.6	99	0.54	<0.09	1.90	0.04	7.1	57	22	3.20	1.30	23	1.80	1200	1.6	0.056
15732	MR1-12-225	74.00	76.00	5a	<0.1	2.00	<0.5	120	0.78	<0.09	5.60	0.08	3.5	49	3.9	2.40	1.30	21	1.70	1600	0.3	0.054
15733	MR1-12-225	76.00	78.00	5a	<0.1	1.60	<0.5	270	0.22	0.10	2.10	0.04	3.9	80	17	2.50	1.10	17	1.20	680	2.4	0.069
15734	MR1-12-225	78.00	80.00	5a	<0.1	1.60	<0.5	250	0.22	0.11	0.39	<0.02	4.4	68	12	2.40	1.00	17	0.76	360	0.5	0.092
15735	MR1-12-225	80.00	82.00	5a	<0.1	2.00	<0.5	250	0.27	4.7	2.10	0.13	5.0	74	18	2.90	1.40	18	1.20	990	2.0	0.097
15736	MR1-12-225	82.00	84.00	5a	<0.1	1.80	<0.5	230	0.37	0.76	0.58	0.03	4.3	63	13	2.40	1.10	17	1.00	570	0.3	0.110
15737	MR1-12-225	84.00	86.00	5a	<0.1	1.60	<0.5	150	0.20	<0.09	0.68	<0.02	4.0	91	3.9	2.40	1.10	15	1.00	520	3.0	0.070
15738	MR1-12-225	86.00	88.00	5a	<0.1	1.60	<0.5	120	0.36	0.12	1.90	0.05	3.5	89	11	1.90	0.90	12	0.84	750	1.7	0.100
15739	MR1-12-225	88.00	90.00	5a	<0.1	2.50	<0.5	160	0.35	<0.09	0.82	0.03	11	55	20	3.50	1.60	21	1.40	640	0.8	0.062
15740	MR1-12-225	90.00	92.00	5a	<0.1	2.20	0.5	170	0.35	<0.09	1.50	0.07	7.7	52	19	3.20	1.30	18	1.40	930	0.9	0.082
15741	MR1-12-225	92.00	94.00	5a	<0.1	1.90	0.6	210	0.30	<0.09	1.40	0.12	5.6	89	15	2.80	1.20	14	1.20	780	2.1	0.100
15742	MR1-12-225	94.00	96.00	5a	<0.1	1.40	<0.5	140	0.34	<0.09	3.70	0.09	3.0	54	7.7	1.80	0.84	11	0.84	1100	0.9	0.061
15743	MR1-12-225	96.00	98.00	5a	<0.1	1.70	<0.5	260	0.16	<0.09	0.42	0.03	5.4	89	8.2	2.70	1.20	15	0.94	520	2.3	0.071
15744	MR1-12-225	98.00	100.00	5a	<0.1	1.90	<0.5	230	0.50	<0.09	0.95	0.03	4.4	80	4.3	2.30	1.20	14	0.88	530	2.0	0.069
15745	MR1-12-225	100.00	102.08	4b	<0.1	2.20	<0.5	240	0.30	<0.09	0.87	0.03	6.4	92	13	3.00	1.30	18	1.20	620	2.3	0.075
15746	MR1-12-225	102.08	105.35	4b	<0.1	2.80	<0.5	280	0.37	<0.09	1.10	0.03	13	47	3.1	3.60	1.90	22	1.70	730	0.7	0.061
15747	MR1-12-225	105.35	107.00	5a	<0.1	2.40	<0.5	160	0.43	<0.09	1.70	0.04	6.8	85	3.8	3.10	1.40	23	1.90	1000	1.9	0.070
15748	MR1-12-225	107.00	109.00	5a	<0.1	2.00	<0.5	170	0.29	<0.09	1.10	0.03	6.2	110	17	2.70	1.10	16	1.30	830	0.4	0.140
15749	MR1-12-225	109.00	111.00	5a	<0.1	2.40	<0.5	180	0.45	<0.09	0.59	0.03	7.7	71	6.9	3.00	1.60	21	1.60	770	1.1	0.110
15750	MR1-12-225	111.00	113.00	5a	<0.1	2.00	<0.5	200	0.42	0.20	2.70	0.16	4.5	85	15	2.60	1.10	28	1.80	1200	1.8	0.057
15751	MR1-12-225	113.00	115.00	5a	<0.1	1.70	0.7	120	0.43	0.26	0.63	0.03	5.8	130	54	3.00	0.58	27	1.70	700	1.1	0.052
15752	MR1-12-225	115.00	117.00	5a	<0.1	1.30	<0.5	260	0.25	<0.09	0.22	0.07	4.9	110	32	2.20	0.61	13	0.65	360	3.6	0.091
15753	MR1-12-225	117.00	119.00	5a	<0.1	1.60	<0.5	240	0.27	<0.09	0.25	<0.02	6.5	91	10	2.50	1.10	12	0.75	400	6.7	0.085
15754	MR1-12-225	119.00	121.00	5a	<0.1	1.60	<0.5	280	0.26	<0.09	0.14	<0.02	7.5	83	10	2.60	1.10	14	0.78	360	0.4	0.068
15755	MR1-12-225	121.00	123.00	5a	<0.1	1.70	<0.5	340	0.26	0.10	0.20	<0.02	7.3	89	9.2	2.70	1.10	15	0.79	400	1.3	0.084
15756	MR1-12-225	123.00	124.74	5a	<0.1	1.80	<0.5	340	0.18	0.11	0.17	0.03	6.7	90	35	3.00	1.20	16	0.75	520	0.6	0.089
15757	MR1-12-225	124.74	126.80	11ba	<0.1	2.30	<0.5	240	0.30	<0.09	0.13	0.02	13	64	21	3.10	1.70	21	1.20	560	0.7	0.058
15758	MR1-12-225	126.80	128.90	11ba	<0.1	3.70	<0.5	350	0.67	0.25	0.25	<0.02	17	81	43	5.10	2.50	37	2.20	1100	0.5	0.079
15759	MR1-12-225	128.90	131.00	11ba	<0.1	3.00	<0.5	270	0.62	1.0	0.20	0.02	15	74	26	3.80	1.90	26	2.10	710	0.9	0.044
15760	MR1-12-225	131.00	133.00	11ba	<0.1	2.30	<0.5	180	0.40	<0.09	0.12	<0.02	14	46	4.4	3.00	1.30	20	1.50	390	1.1	0.044
15761	MR1-12-225	133.00	135.00	11ba	<0.1	2.20	<0.5	170	0.34	<0.09	0.11	<0.02	14	60	5.0	3.20	1.20	21	1.40	390	0.6	0.049
15762	MR1-12-225	135.00	136.70	11ba	<0.1	1.30	<0.5	110	0.27	0.09	0.13	0.02	7.2	72	11	2.80	0.43	18	0.83	310	0.9	0.049
15763	MR1-12-225	136.70	138.40	11ba	<0.1	1.80	<0.5	230	0.37	<0.09	0.18	<0.02	10	54	17	3.10	0.90	21	1.00	350	0.5	0.050
15764	MR1-12-225	138.40	140.34	11ba	<0.1	3.00	<0.5	280	0.32	<0.09	0.29	<0.02	19	86	18	4.40	2.20	29	2.00	440	0.6	0.100
15765	MR1-12-225	140.34	142.37	11ba	<0.1	1.10	<0.5	130	0.23	<0.09	0.32	<0.02	5.3	99	26	1.60	0.61	13	0.54	210	0.4	0.095
15766	MR1-12-225	142.37	144.30	11ba	<0.1	3.10	<0.5	530	0.22	<0.09	0.41	<0.02	20	65	10	4.50	2.50	29	1.90	500	1.3	0.130
15767	MR1-12-225	144.30	146.00	11ba	<0.1	3.80	<0.5	660	0.28	<0.09	0.64	<0.02	19	92	11	4.80	2.90	29	2.20	500	0.2	0.210
15768	MR1-12-225	146.00	148.00	11ba	<0.1	2.30	<0.5	240	0.29	<0.09	0.24	<0.02	13	71	19	3.20	1.40	26	1.40	350	0.7	0.092
15769	MR1-12-225	148.00	150.00	11ba	<0.1	2.30	<0.5	180	0.20	<0.09	0.14	<0.02	14	61	7.9	3.00	1.60	22	1.40	340	0.7	0.085
15770	MR1-12-225	150.00	152.00	11ba	<0.1	2.30	<0.5	190	0.22	<0.09	0.26	<0.02	12	49	23	3.00	1.60	22	1.40	480	0.3	0.100
15771	MR1-12-225	152.00	154.00	11ba	<0.1	2.60	<0.5	210	0.25	<0.09	0.24	<0.02	15	54	14	3.60	1.80	25	1.70	530	0.6	0.099
15772	MR1-12-225	154.00	155.70	11ba	<0.1	2.70	<0.5	200	0.26	<0.09	0.19	<0.02	17	49	21	3.80	1.90	25	1.80	540	0.2	0.064
15773	MR1-12-225	155.70	157.50	11ba	<0.1	2.40	<0.5	200	0.27	<0.09	0.18	0.03	13	55	9.5	3.10	1.70	25	1.60	520	0.6	0.098
15774	MR1-12-225	157.50	159.80	5a	<0.1	1.30	<0.5	260	0.16	<0.09	0.37	<0.02	4.4	80	13	1.90	0.88					

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15788	MR1-12-225	186.00	188.00	11ba	<0.1	2.30	<0.5	120	0.17	<0.09	0.18	<0.02	14	26	13	3.50	1.70	25	1.70	510	0.3	0.031
15789	MR1-12-225	188.00	190.00	11ba	<0.1	2.80	<0.5	130	0.20	<0.09	0.38	<0.02	17	39	11	3.90	2.20	29	2.10	610	0.4	0.048
15790	MR1-12-225	190.00	192.00	11ba	<0.1	2.60	<0.5	200	0.19	<0.09	0.23	<0.02	16	42	24	4.10	1.90	27	2.00	540	0.3	0.038
15791	MR1-12-225	192.00	194.00	11ba	<0.1	2.40	<0.5	180	0.26	<0.09	0.63	<0.02	15	32	17	3.50	1.40	33	2.10	650	0.4	0.039
15792	MR1-12-225	194.00	196.00	11ba	<0.1	2.40	<0.5	290	0.10	<0.09	0.27	<0.02	14	29	2.6	3.50	2.00	22	1.80	530	0.3	0.058
15793	MR1-12-225	196.00	198.00	11ba	<0.1	2.30	<0.5	170	0.13	<0.09	0.46	<0.02	15	24	16	3.50	1.90	24	1.80	530	0.3	0.053
15794	MR1-12-225	198.00	200.00	11ba	<0.1	2.30	<0.5	97	0.29	<0.09	0.28	<0.02	14	26	10	3.70	1.30	37	2.20	510	0.3	0.039
15795	MR1-12-225	200.00	202.00	11ba	<0.1	2.20	<0.5	170	0.17	<0.09	0.71	<0.02	14	34	28	3.20	1.70	27	1.80	590	0.3	0.046
15796	MR1-12-225	202.00	204.00	11ba	<0.1	2.30	<0.5	130	0.19	<0.09	0.69	<0.02	13	28	7.3	3.30	1.70	27	1.90	580	0.3	0.038
15797	MR1-12-225	204.00	206.00	11ba	<0.1	2.50	<0.5	110	0.19	<0.09	0.48	<0.02	14	25	14	3.50	1.80	27	1.90	660	0.3	0.062
15798	MR1-12-225	206.00	208.00	11ba	<0.1	2.10	<0.5	93	0.19	<0.09	0.50	<0.02	12	22	13	3.10	1.40	25	1.60	540	0.3	0.045
15799	MR1-12-225	208.00	210.20	11ba	<0.1	2.20	<0.5	200	0.26	<0.09	0.62	<0.02	10	30	12	3.10	1.50	29	1.90	720	0.4	0.045
15800	MR1-12-225	210.20	212.40	11ba	<0.1	1.50	<0.5	100	0.18	<0.09	1.10	<0.02	6.4	28	13	2.30	1.10	18	1.40	760	0.7	0.044
15801	MR1-12-225	212.40	214.65	11ba	<0.1	1.40	<0.5	67	0.30	<0.09	3.20	0.03	7.7	26	65	2.30	0.92	19	1.80	1200	0.7	0.032
15802	MR1-12-225	214.65	217.00	5a	<0.1	1.40	<0.5	110	0.21	<0.09	0.88	0.02	4.4	30	13	2.30	1.10	17	1.10	680	0.7	0.028
15803	MR1-12-225	217.00	219.20	5a	<0.1	1.10	<0.5	170	0.14	<0.09	0.37	<0.02	5.7	31	3.2	2.10	0.89	16	0.74	420	0.7	0.034
15804	MR1-12-225	219.20	221.40	5a	<0.1	1.30	<0.5	240	0.24	<0.09	0.90	<0.02	5.4	35	3.1	2.10	0.93	22	0.90	540	1.1	0.039
15805	MR1-12-225	221.40	223.60	5a	<0.1	0.97	<0.5	190	0.15	<0.09	0.97	<0.02	4.1	34	16	1.90	0.73	14	0.61	450	0.8	0.039
15806	MR1-12-225	223.60	225.80	5a	<0.1	1.10	<0.5	160	0.18	<0.09	0.51	<0.02	4.4	35	9.2	2.10	0.69	18	0.84	440	1.0	0.032
15807	MR1-12-225	225.80	228.00	5a	<0.1	1.20	<0.5	170	0.16	<0.09	0.60	<0.02	4.1	33	11	2.00	0.94	17	0.77	550	1.5	0.040
15808	MR1-12-225	228.00	230.00	11a	<0.1	2.00	<0.5	150	0.48	<0.09	0.36	<0.02	10	87	13	2.70	1.50	27	1.70	550	0.9	0.036
15809	MR1-12-225	230.00	232.00	11a	<0.1	2.00	<0.5	77	0.51	<0.09	1.00	0.03	7.0	33	6.4	2.50	1.40	23	1.40	730	0.6	0.086
15810	MR1-12-225	232.00	234.00	11a	<0.1	1.50	<0.5	84	0.21	<0.09	0.56	<0.02	5.5	42	8.2	2.10	1.10	21	1.10	660	1.3	0.056
15811	MR1-12-225	234.00	236.00	11a	<0.1	2.50	<0.5	130	0.17	<0.09	0.18	<0.02	14	30	9.0	3.40	1.90	22	2.00	570	0.3	0.046
15812	MR1-12-225	236.00	238.00	11a	<0.1	2.70	<0.5	180	0.35	<0.09	1.30	0.02	11	29	5.4	3.30	1.90	28	2.10	900	0.5	0.068
15813	MR1-12-225	238.00	240.00	11a	<0.1	3.20	<0.5	140	0.40	0.18	4.10	<0.02	14	33	19	4.40	1.70	46	4.10	1400	0.3	0.052
15814	MR1-12-225	240.00	242.00	11a	<0.1	2.70	<0.5	160	0.22	<0.09	0.26	<0.02	16	30	10	3.90	1.70	38	2.60	640	0.2	0.033
15815	MR1-12-225	242.00	244.00	11a	<0.1	2.80	<0.5	250	0.15	<0.09	0.52	<0.02	14	35	3.7	3.60	2.20	25	2.10	700	0.3	0.064
15816	MR1-12-225	244.00	246.00	11a	<0.1	2.80	<0.5	200	0.15	<0.09	0.18	<0.02	15	31	11	3.80	2.30	28	2.20	670	0.3	0.047
15817	MR1-12-225	246.00	248.00	11a	<0.1	2.60	<0.5	190	0.19	<0.09	0.27	<0.02	15	32	32	3.50	2.00	32	2.10	610	0.3	0.040
15818	MR1-12-225	248.00	250.20	11a	<0.1	2.10	<0.5	130	0.12	<0.09	0.18	<0.02	14	26	6.7	3.10	1.60	23	1.60	500	0.3	0.029
15819	MR1-12-225	250.20	252.40	11a	<0.1	2.50	<0.5	160	0.27	<0.09	0.14	<0.02	14	25	2.0	3.60	1.60	36	2.20	560	0.3	0.032
15820	MR1-12-225	252.40	254.65	11a	<0.1	2.30	<0.5	130	0.19	<0.09	0.14	<0.02	13	31	2.9	3.30	1.70	31	1.80	480	0.3	0.028
15821	MR1-12-225	254.65	257.20	11a	<0.1	1.40	<0.5	130	0.19	0.09	0.46	<0.02	5.8	29	23	2.50	0.98	19	0.88	370	0.4	0.028
15822	MR1-12-225	257.20	259.20	11a	<0.1	2.60	<0.5	170	0.30	<0.09	0.22	<0.02	14	32	7.1	3.60	1.70	38	2.20	620	0.3	0.040
15823	MR1-12-225	259.20	261.20	11a	<0.1	2.60	<0.5	140	0.30	<0.09	0.45	<0.02	12	30	8.5	3.30	1.70	39	2.30	590	0.3	0.070
15824	MR1-12-225	261.20	263.20	11a	<0.1	2.30	<0.5	150	0.13	<0.09	0.35	<0.02	13	28	8.1	3.30	1.90	20	1.70	470	0.3	0.058
15825	MR1-12-225	263.20	265.00	11a	<0.1	2.30	<0.5	170	0.21	<0.09	0.80	<0.02	13	27	9.1	3.30	1.60	25	1.90	700	0.5	0.067
15826	MR1-12-225	265.00	267.00	11a	<0.1	1.20	<0.5	160	0.15	<0.09	0.83	<0.02	4.3	35	5.9	2.30	0.76	16	1.10	580	0.7	0.032
15827	MR1-12-225	267.00	269.00	5a	<0.1	1.10	<0.5	120	0.18	<0.09	0.75	<0.02	3.7	27	2.5	2.00	0.49	16	1.20	570	0.7	0.028
15828	MR1-12-225	269.00	271.00	5a	<0.1	1.10	<0.5	150	0.10	<0.09	1.10	<0.02	3.7	28	4.7	1.90	0.70	12	0.92	620	0.5	0.031
15829	MR1-12-225	271.00	273.13	5a	<0.1	1.30	<0.5	66	0.32	<0.09	1.10	<0.02	4.6	30	17	2.00	0.60	28	1.30	620	0.8	0.029
15830	MR1-12-225	273.13	275.00	11a	<0.1	2.40	<0.5	110	0.17	<0.09	1.20	<0.02	12	30	8.0	3.10	1.70	21	2.10	830	0.3	0.110
15831	MR1-12-225	275.00	277.00	11a	<0.1	2.40	<0.5	130	0.14	<0.09	0.55	<0.02	13	30	13	3.40	1.90	23	1.80	560	0.3	0.073
15832	MR1-12-225	277.00	279.00	11a	<0.1	2.50	<0.5	140	0.08	<0.09	0.51	<0.02	15	28	16	3.80	2.20	20	1.80	500	0.2	0.080
15833	MR1-12-225	279.00	281.00	11a	<0.1	2.60	<0.5	190	0.13	<0.09	0.55	<0.02	16	37	11	3.80	2.00	22	1.90	570	0.3	0.090
15834	MR1-12-225	281.00	283.00	11a	<0.1	1.90	<0.5	110	0.18	0.16	0.87	0.06	15	35	55	3.10	1.40	23	1.50	480	0.4	0.047
15835	MR1-12-225	283.00	285.00	11a	<0.1	2.00	<0.5	100	0.13	0.11	0.39	<0.02	13	31	25	3.10	1.50	22	1.50	470	0.4	0.045
15836	MR1-12-225	285.00	286.60	11a	<0.1	2.10	<0.5	60	0.24	<0.09	0.67	<0.02	12	32	11	3.30	1.10	34	2.20	580	0.3	0.037
15630	MR1-12-226	73.17	75.27	4ac	<0.1	3.70	372	16	0.65	1.7	0.01	0.22	14	280	190	22.00	0.04	3	1.50	1400	124	0.005
15631	MR1-12-226	75.27	77.37	4ac	<0.1	4.50	77	34	0.81	2.3	0.01	0.17	12	100	180	23.00	0.03	5	2.70	1300	158	0.006
15632	MR1-12-226	77.37	79.65	4ac	<0.1	4.80	147	9.5	0.64	0.84	0.01	0.13	11	150	170	17.00	0.02	7	2.90	1300	89	0.007
15644	MR1-12-226	101.34	103.34	4a	<0.1	8.00	2.2	2.9	0.93	<0.09	0.08	<0.02	40	600	7.9	18.00	0.01	<2	6.80	360	3.0	0.005
15645	MR1-12-226	103.34	105.24	4a	<0.1	8.00	9.0	1.2	1.3	0.18	0.13	0.03	52	760	8.1	16.00	0.01	3	7.40	510	4.9	0.005
15646	MR1-12-226	105.24	107.16	4a	<0.1	7.80	1.9	2.3	1.5	<0.09	0.01	0.03	41	660	8.6	19.00	0.01	<2	6.60	520	2.8	0.005
15650	MR1-12-226	112.93	114.93	4acb	<0.1	3.50																

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15664	MR1-12-226	138.44	140.44	5a	<0.1	3.20	1.1	380	1.1	0.11	0.24	<0.02	9.3	76	12	4.40	1.90	13	1.80	250	0.7	0.043
15665	MR1-12-226	140.44	142.44	5c	<0.1	3.40	<0.5	420	0.60	0.12	0.22	<0.02	7.1	83	21	5.10	2.00	12	1.70	200	2.3	0.048
15666	MR1-12-226	142.44	144.14	5c	<0.1	4.30	<0.5	940	0.31	0.14	0.20	<0.02	6.7	82	65	7.30	3.10	10	1.70	140	2.8	0.070
15667	MR1-12-226	144.14	146.00	5c	<0.1	4.00	<0.5	750	0.23	0.17	0.22	<0.02	7.0	84	34	6.70	2.90	11	1.60	170	11	0.069
15668	MR1-12-226	146.00	148.00	5c	<0.1	3.30	<0.5	370	0.86	0.14	0.17	<0.02	8.3	100	7.7	4.20	2.00	24	1.80	280	3.5	0.054
15669	MR1-12-226	148.00	150.00	5c	<0.1	2.40	<0.5	210	0.39	0.18	0.15	<0.02	8.2	43	19	3.30	1.50	19	1.70	290	0.9	0.033
15670	MR1-12-226	150.00	152.00	5c	<0.1	3.20	<0.5	350	0.73	0.12	0.19	0.02	11	120	10	3.90	1.90	24	2.30	470	2.3	0.057
15671	MR1-12-226	152.00	154.00	5c	<0.1	2.70	<0.5	300	0.68	<0.09	0.18	<0.02	8.7	76	5.2	3.60	1.70	16	1.60	350	2.2	0.053
15672	MR1-12-226	154.00	156.00	5c	<0.1	3.00	<0.5	350	1.00	0.16	0.20	<0.02	8.1	92	16	3.60	2.00	28	1.70	280	2.8	0.065
15673	MR1-12-226	156.00	158.00	5c	<0.1	4.10	<0.5	380	1.3	0.15	0.36	0.02	13	160	18	4.60	2.40	43	3.40	540	6.9	0.076
15674	MR1-12-226	158.00	160.00	5c	<0.1	2.90	<0.5	440	1.3	0.16	0.25	<0.02	8.9	92	4.7	3.80	1.90	36	1.70	540	3.3	0.056
15675	MR1-12-226	160.00	162.00	5c	<0.1	2.70	<0.5	430	0.56	0.28	0.21	<0.02	11	97	81	4.50	1.50	37	1.60	620	2.6	0.048
15676	MR1-12-226	162.00	164.00	5c	<0.1	2.20	<0.5	490	0.48	0.20	0.21	<0.02	7.3	88	24	3.20	1.30	31	1.10	490	2.3	0.080
15677	MR1-12-226	164.00	166.00	5c	<0.1	2.50	<0.5	300	0.62	0.18	0.21	<0.02	8.4	82	21	3.40	1.50	23	1.50	330	2.9	0.053
15678	MR1-12-226	166.00	168.00	5c	<0.1	3.10	<0.5	280	0.92	0.24	0.21	<0.02	8.6	82	14	3.90	1.80	23	2.00	340	3.8	0.055
15679	MR1-12-226	168.00	170.00	5c	<0.1	2.90	<0.5	310	0.93	0.23	0.19	<0.02	9.5	83	17	3.90	1.60	18	1.70	390	3.5	0.053
15680	MR1-12-226	170.00	172.00	5c	<0.1	2.80	<0.5	330	0.70	0.85	0.20	<0.02	9.7	74	19	4.00	1.40	22	1.70	470	4.6	0.058
15681	MR1-12-226	172.00	174.00	5c	<0.1	2.30	<0.5	580	0.23	0.25	0.25	<0.02	8.6	70	25	4.00	1.60	21	1.00	540	1.9	0.098
15682	MR1-12-226	174.00	176.00	5c	<0.1	2.30	<0.5	480	0.28	0.25	0.33	0.02	12	67	77	4.60	1.30	22	1.20	590	2.7	0.074
15683	MR1-12-226	176.00	178.00	5c	<0.1	2.30	<0.5	510	0.25	0.18	0.22	<0.02	9.8	78	6.9	4.00	1.60	26	1.20	580	11	0.073
15684	MR1-12-226	178.00	180.00	5c	<0.1	2.30	<0.5	520	0.25	0.14	0.29	<0.02	8.9	73	17	4.00	1.50	24	1.20	510	2.5	0.087
15685	MR1-12-226	180.00	182.00	5c	<0.1	2.20	<0.5	470	0.22	0.11	0.25	<0.02	9.2	76	26	3.90	1.50	24	1.10	500	2.0	0.083
15686	MR1-12-226	182.00	184.00	5c	<0.1	2.10	<0.5	570	0.19	0.32	0.25	0.17	8.8	94	180	3.70	1.50	23	1.00	520	4.5	0.089
15687	MR1-12-226	184.00	186.00	5c	<0.1	2.30	<0.5	300	0.32	<0.09	0.21	<0.02	10	79	7.0	4.20	1.30	24	1.30	640	0.9	0.048
15688	MR1-12-226	186.00	188.00	5c	<0.1	2.10	<0.5	130	0.61	<0.09	0.36	<0.02	8.6	63	25	3.80	0.75	25	1.30	610	1.0	0.046
15689	MR1-12-226	188.00	190.00	5c	<0.1	1.60	<0.5	140	0.31	<0.09	0.42	<0.02	7.4	88	12	3.00	0.87	17	0.97	440	0.7	0.067
15690	MR1-12-226	190.00	192.00	5c	<0.1	2.10	<0.5	160	0.59	<0.09	0.42	<0.02	7.3	72	9.5	3.50	1.10	24	1.30	620	0.5	0.048
15691	MR1-12-226	192.00	194.00	5c	<0.1	2.60	<0.5	430	0.43	<0.09	0.36	<0.02	8.4	54	40	4.40	1.60	21	1.40	650	1.2	0.079
15692	MR1-12-226	194.00	196.00	5c	<0.1	1.60	0.7	170	0.34	<0.09	0.26	<0.02	6.7	73	12	2.70	0.83	15	0.87	350	0.5	0.050
15693	MR1-12-226	196.00	197.80	5c	<0.1	2.10	<0.5	230	0.32	<0.09	0.34	<0.02	8.0	70	16	3.70	1.30	18	1.20	530	3.0	0.080
15694	MR1-12-226	197.80	199.52	5c	<0.1	1.80	<0.5	180	0.30	<0.09	0.42	<0.02	7.1	64	20	3.30	1.10	15	0.91	400	4.9	0.084
15695	MR1-12-226	199.52	201.20	4b	<0.1	1.80	<0.5	77	0.31	<0.09	0.15	<0.02	7.7	64	2.1	2.60	0.99	19	1.10	460	4.6	0.074
15696	MR1-12-226	201.20	203.00	5c	<0.1	1.80	<0.5	170	0.32	<0.09	0.33	0.02	8.2	65	23	3.40	1.20	17	0.93	400	1.9	0.068
15697	MR1-12-226	203.00	205.00	5c	<0.1	2.00	<0.5	160	0.32	<0.09	0.34	<0.02	7.7	68	21	3.60	1.20	17	1.00	340	4.5	0.080
15698	MR1-12-226	205.00	207.00	5c	<0.1	1.80	<0.5	90	0.61	<0.09	0.35	0.02	8.2	75	18	3.10	0.72	21	1.10	700	1.0	0.048
15699	MR1-12-226	207.00	209.00	5c	<0.1	1.80	<0.5	130	0.30	<0.09	0.42	0.05	7.3	75	31	3.40	1.00	19	0.95	660	0.8	0.048
15700	MR1-12-226	209.00	211.00	5c	<0.1	2.00	<0.5	230	0.18	<0.09	0.29	0.04	8.2	60	56	3.50	1.50	20	0.94	550	2.6	0.067
15837	MR1-12-226	211.00	213.00	5c	<0.1	1.90	<0.5	130	0.24	<0.09	1.10	<0.02	7.8	22	15	3.20	1.30	26	1.30	650	0.8	0.019
15838	MR1-12-226	213.00	215.30	5c	<0.1	1.50	0.6	130	0.15	<0.09	0.35	<0.02	7.2	27	15	3.00	1.10	20	0.86	330	0.6	0.021
15839	MR1-12-226	215.30	217.50	5c	<0.1	1.90	0.6	250	0.16	<0.09	0.38	<0.02	8.8	24	15	3.40	1.40	24	1.10	480	0.9	0.031
15840	MR1-12-226	217.50	219.89	5c	<0.1	1.90	0.5	190	0.15	<0.09	0.48	<0.02	8.9	22	18	3.20	1.40	23	1.00	450	0.6	0.028
15841	MR1-12-226	219.89	222.28	5c	<0.1	1.40	<0.5	72	0.12	<0.09	0.14	<0.02	8.4	20	1.6	2.20	1.10	21	0.90	420	0.5	0.022
15842	MR1-12-226	222.28	224.00	5c	<0.1	1.60	<0.5	190	0.12	<0.09	0.26	<0.02	7.6	24	9.7	3.10	1.30	21	0.86	370	0.5	0.024
15843	MR1-12-226	224.00	226.00	5c	<0.1	2.10	<0.5	220	0.28	0.10	0.23	<0.02	10	22	44	3.70	1.50	26	1.30	470	0.5	0.020
15844	MR1-12-226	226.00	228.30	5c	<0.1	2.20	<0.5	370	0.32	0.15	0.32	0.03	9.2	23	33	3.30	1.50	30	1.30	470	0.5	0.038
15845	MR1-12-226	228.30	230.30	3	<0.1	3.20	<0.5	140	0.57	0.20	0.51	<0.02	22	74	61	4.60	1.10	58	3.70	460	0.4	0.029
15846	MR1-12-226	230.30	232.30	3	<0.1	3.30	0.6	380	0.60	0.47	0.49	0.78	20	75	140	4.50	1.50	43	3.00	360	7.9	0.054
15847	MR1-12-226	232.30	234.30	3	<0.1	2.30	<0.5	55	0.22	0.30	1.10	0.09	20	160	130	2.00	0.47	35	1.90	92	0.2	0.082
15848	MR1-12-226	234.30	236.35	3	<0.1	3.60	<0.5	180	0.24	0.63	1.00	0.10	25	170	99	3.70	1.10	44	3.50	280	0.4	0.053
15849	MR1-12-226	236.35	237.57	3	<0.1	3.30	<0.5	350	0.54	2.3	0.67	0.06	16	33	75	4.00	2.00	46	2.60	830	0.6	0.065
15850	MR1-12-226	237.57	240.40	3	<0.1	2.50	<0.5	100	0.32	2.6	1.20	0.17	11	22	56	3.40	1.80	27	1.70	800	1.5	0.055
15851	MR1-12-226	240.40	242.40	3	<0.1	3.20	<0.5	74	0.51	0.45	1.60	0.10	15	26	47	3.40	1.90	25	1.80	850	0.7	0.110
15852	MR1-12-226	242.40	244.40	3	<0.1	3.50	<0.5	150	0.51	2.3	1.90	0.15	13	24	46	3.90	2.00	29	2.10	920	1.0	0.051
15853	MR1-12-226	244.40	246.40	3	<0.1	3.10	<0.5	55	0.46	2.1	1.78	0.06	16	20	21	3.50	1.80	37	2.40	710	0.5	0.051
15854	MR1-12-226	246.40	248.40	3	<0.1	3.50	<0.5	95	0.56	0.42	1.00	0.07	14	22	30	3.90	2.20	35	2.30	860	0.4	0.061
15855	MR1-12-226	248.40	250.40	3	<0.1	2.90	<0.5	130	0.63	0.46	1.10	0.10	10	22	60	3.60	1.30	44	2.60	90		

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Hg µg/g	Al %	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca %	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe %	K %	Li µg/g	Mg %	Mn µg/g	Mo µg/g	Na %
15869	MR1-12-226	275.10	277.14	4bc	<0.1	0.71	0.5	25	1.1	4.8	0.06	0.05	3.1	59	8.9	0.92	0.35	15	0.72	140	0.6	0.015
15870	MR1-12-226	277.14	278.90	4bc	<0.1	3.60	<0.5	66	0.47	0.19	0.59	<0.02	29	65	79	5.20	1.30	52	4.40	270	0.6	0.034
15871	MR1-12-226	278.90	281.45	4bc	<0.1	0.57	<0.5	47	1.9	0.10	0.16	0.07	2.2	31	30	0.80	0.28	9	0.46	140	0.8	0.022
15872	MR1-12-226	281.45	283.65	4bc	<0.1	1.90	<0.5	130	0.32	<0.09	0.26	0.61	9.1	27	11	2.40	1.30	29	1.50	440	0.3	0.037
15873	MR1-12-226	283.65	285.85	4bc	<0.1	2.50	<0.5	120	0.41	<0.09	0.77	<0.02	8.7	17	2.0	2.90	1.60	31	1.50	560	0.3	0.063
15874	MR1-12-226	285.85	287.50	4bc	<0.1	2.20	<0.5	76	0.38	<0.09	0.59	0.02	8.7	16	13	2.80	1.40	29	1.40	580	0.3	0.053
15875	MR1-12-226	287.50	289.14	4bc	<0.1	2.10	<0.5	93	0.33	0.16	0.54	0.15	7.1	22	30	3.00	1.40	27	1.50	660	0.7	0.045

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
4905	MR1-12-222	134.2	136.2	4acb	94	5.9	0.007	<0.8	<0.7	1.5	5.9	0.069	0.22	0.25	130	45
4906	MR1-12-222	136.2	138.2	4acb	98	4.2	0.006	<0.8	<0.7	1.0	3.5	0.016	0.03	0.31	110	70
4907	MR1-12-222	138.2	140.2	4acb	150	3.0	0.004	<0.8	<0.7	1.0	4.1	0.056	0.10	0.19	110	64
4908	MR1-12-222	140.2	142.2	4acb	170	6.6	0.004	<0.8	<0.7	1.2	6.9	0.093	0.35	0.26	130	45
4909	MR1-12-222	142.2	144.2	4acb	150	3.8	0.003	<0.8	<0.7	1.0	6.8	0.082	0.22	0.26	120	48
4910	MR1-12-222	144.2	146.4	4acb	230	0.88	0.008	<0.8	<0.7	<0.5	4.7	0.029	<0.02	0.47	120	69
4911	MR1-12-222	146.4	148.4	4a	430	2.8	0.031	<0.8	<0.7	1.1	5.5	0.063	0.17	1.6	89	69
4912	MR1-12-222	148.4	150.4	4a	370	12	0.740	<0.8	1.8	2.7	12	0.088	0.57	0.90	92	66
4913	MR1-12-222	150.4	152.4	4a	190	15	0.590	<0.8	3.4	5.7	4.8	0.074	0.65	0.89	78	150
4914	MR1-12-222	152.4	154.4	4a	140	18	1.640	<0.8	5.1	6.7	6.2	0.062	0.38	0.43	81	110
4915	MR1-12-222	154.4	156.4	4a	130	8.5	0.540	<0.8	<0.7	1.9	4.4	0.140	0.72	0.48	120	43
4916	MR1-12-222	156.4	158.4	4a	88	2.1	0.054	<0.8	<0.7	1.2	3.3	0.110	0.57	0.71	85	34
4917	MR1-12-222	158.4	160.4	4a	57	1.6	0.008	<0.8	<0.7	1.6	4.7	0.110	0.44	0.77	84	42
4918	MR1-12-222	160.4	162.4	4a	54	2.0	0.018	<0.8	<0.7	1.6	4.1	0.120	0.43	0.67	79	40
4919	MR1-12-222	162.4	164.4	4a	63	1.5	0.990	<0.8	<0.7	1.0	5.4	0.058	0.09	0.17	110	54
4920	MR1-12-222	164.4	166.2	4a	28	5.2	1.300	<0.8	<0.7	1.6	3.5	0.230	0.34	0.33	74	64
4921	MR1-12-222	166.2	168.0	4a	34	2.7	0.660	<0.8	<0.7	1.4	5.3	0.160	0.22	0.11	120	51
4922	MR1-12-222	168.0	169.8	4a	240	4.3	0.320	<0.8	<0.7	1.2	4.7	0.110	0.23	0.19	98	27
4923	MR1-12-222	169.8	171.6	4a	46	2.4	0.011	<0.8	<0.7	2.3	4.6	0.080	0.17	1.8	8	39
4924	MR1-12-222	171.6	173.3	4a	34	3.0	0.013	<0.8	1.0	3.1	6.5	0.047	0.12	2.2	5	32
4925	MR1-12-222	173.3	175.3	9a	10	1.5	0.320	<0.8	0.9	<0.5	2.0	0.001	<0.02	0.043	<1	2.2
4926	MR1-12-222	175.3	177.3	9a	11	1.9	0.350	<0.8	<0.7	<0.5	1.7	0.000	<0.02	0.008	<1	2.1
4927	MR1-12-222	177.3	179.3	9a	11	1.3	0.360	<0.8	<0.7	<0.5	2.1	0.000	<0.02	0.005	<1	2.4
4928	MR1-12-222	179.3	181.3	9a	7.3	1.2	0.280	<0.8	<0.7	<0.5	3.2	0.000	<0.02	0.008	2	2.4
4929	MR1-12-222	181.3	183.3	9d	5.1	3.5	1.600	<0.8	1.5	<0.5	14	0.002	0.03	0.042	4	4.8
4930	MR1-12-222	183.3	185.3	9d	6.1	3.7	2.000	<0.8	2.8	<0.5	9.4	0.001	0.05	0.045	3	5.9
4931	MR1-12-222	185.3	187.3	9d	8.6	5.2	3.500	<0.8	2.8	<0.5	13	0.002	0.09	0.032	4	6.9
4932	MR1-12-222	187.3	189.3	9d	6.1	4.7	1.600	<0.8	1.5	<0.5	18	0.002	0.03	0.020	5	7.1
4933	MR1-12-222	189.3	191.3	9d	4.3	5.2	1.100	<0.8	1.0	<0.5	8.6	0.002	<0.02	0.016	3	4.7
4934	MR1-12-222	191.3	193.3	9d	9.1	34	1.800	<0.8	1.9	<0.5	8.8	0.005	0.05	0.041	11	5.8
4935	MR1-12-222	193.3	194.7	9d	8.9	5.3	1.300	<0.8	1.2	<0.5	15	0.004	0.04	0.11	11	10
4936	MR1-12-222	194.7	196.3	9d	97	1.4	0.230	<0.8	<0.7	<0.5	15	0.130	0.02	0.42	92	58
4937	MR1-12-222	196.3	198.3	9d	4.8	2.4	0.180	<0.8	<0.7	<0.5	8.8	0.003	<0.02	0.032	4	13
4938	MR1-12-222	198.3	200.3	4ac	58	4.4	0.800	<0.8	1.1	<0.5	13	0.058	<0.02	0.55	50	38
4939	MR1-12-222	200.3	202.3	4ac	85	3.2	0.310	<0.8	<0.7	1.0	9.5	0.079	0.04	0.73	67	38
4940	MR1-12-222	202.3	204.3	4ac	170	3.7	0.024	<0.8	<0.7	1.1	8.3	0.120	0.12	1.3	100	54
4941	MR1-12-222	204.3	206.3	4ac	250	2.3	0.014	<0.8	<0.7	1.2	8.8	0.140	0.19	1.3	100	55
4942	MR1-12-222	206.3	208.1	4ac	160	2.8	0.059	<0.8	<0.7	1.1	8.4	0.110	0.17	1.3	100	54
4957	MR1-12-222	236.8	238.8	4acb	170	2.4	0.033	<0.8	<0.7	1.2	16	0.160	0.09	1.4	100	55
4958	MR1-12-222	238.8	240.8	4acb	200	2.5	0.013	<0.8	<0.7	1.2	13	0.170	0.12	1.3	110	60
4959	MR1-12-222	240.8	242.8	4acb	210	3.7	0.089	<0.8	<0.7	1.3	16	0.110	0.07	1.1	110	50
4960	MR1-12-222	242.8	244.8	4acb	190	2.3	0.067	<0.8	<0.7	1.3	14	0.097	0.07	1.1	110	51
4961	MR1-12-222	244.8	246.8	4acb	210	4.4	0.043	<0.8	<0.7	1.2	15	0.110	0.10	1.2	100	52
4962	MR1-12-222	246.8	248.8	4acb	190	3.5	0.021	<0.8	<0.7	1.1	13	0.140	0.10	1.4	99	54
4963	MR1-12-222	248.8	250.8	4acb	230	1.9	0.018	<0.8	<0.7	1.3	14	0.120	<0.02	1.4	99	56
4964	MR1-12-222	250.8	252.8	4acb	190	3.2	0.005	<0.8	<0.7	1.1	19	0.092	0.09	1.4	100	57
4965	MR1-12-222	252.8	254.8	4acb	140	3.9	0.250	<0.8	0.9	1.2	23	0.066	0.07	1.4	94	51
4966	MR1-12-222	254.8	256.8	4acb	210	4.1	0.051	<0.8	<0.7	1.4	15	0.150	0.04	1.2	110	63
4967	MR1-12-222	256.8	258.8	4acb	190	4.9	0.057	<0.8	<0.7	1.2	14	0.180	0.22	1.2	110	53
4968	MR1-12-222	258.8	260.2	4acb	160	2.5	0.005	<0.8	<0.7	1.0	15	0.160	0.08	1.5	110	65
4995	MR1-12-223	20.96	22.60	5c	22	3.7	0.005	<0.8	<0.7	0.6	1.7	0.085	0.33	3.4	21	30
4996	MR1-12-223	22.60	24.60	5c	18	2.2	0.007	<0.8	<0.7	0.5	1.8	0.071	0.29	2.6	16	23
4997	MR1-12-223	24.60	26.50	5c	16	2.1	0.002	<0.8	<0.7	<0.5	1.5	0.061	0.28	2.7	10	21
4998	MR1-12-223	26.50	28.30	5c	30	3.1	0.022	<0.8	<0.7	0.5	1.8	0.099	0.36	1.8	17	25
4999	MR1-12-223	28.30	30.05	5c	25	5.7	0.200	<0.8	<0.7	<0.5	1.8	0.110	0.42	2.9	22	24
5000	MR1-12-223	30.05	32.45	4a	70	2.9	0.100	<0.8	<0.7	1.3	3.6	0.083	0.28	3.0	52	48
15401	MR1-12-223	32.45	34.85	4a	58	3.7	0.090	<0.8	<0.7	1.1	2.9	0.071	0.15	4.1	36	30
15402	MR1-12-223	34.85	36.65	5c	21	3.9	0.160	<0.8	0.8	0.5	2.8	0.092	0.27	2.9	21	24
15403	MR1-12-223	36.65	38.40	5c	13	3.3	0.120	<0.8	<0.7	0.6	3.2	0.100	0.32	4.1	17	27
15404	MR1-12-223	38.40	40.10	5c	23	1.7	0.056	<0.8	<0.7	<0.5	2.3	0.099	0.33	2.6	28	24
15405	MR1-12-223	40.10	42.10	4ab	39	2.1	0.010	<0.8	<0.7	1.2	2.9	0.096	0.22	4.8	39	36
15406	MR1-12-223	42.10	44.10	4ab	40	2.1	0.057	<0.8	<0.7	1.0	2.8	0.078	0.09	5.1	24	37
15407	MR1-12-223	44.10	46.10	4ab	47	1.6	0.040	<0.8	<0.7	1.0	2.3	0.050	0.03	7.4	15	35
15408	MR1-12-223	46.10	48.10	4ab	38	3.9	0.170	<0.8	<0.7	1.1	2.6	0.083	0.07	7.5	18	37
15409	MR1-12-223	48.10	50.10	4ab	36	5.2	0.190	<0.8	<0.7	2.0	3.1	0.053	0.04	11	17	36
15410	MR1-12-223	50.10	52.10	4ab	29	4.3	0.056	<0.8	<0.7	0.7	3.2	0.027	0.05	10	7	28
15411	MR1-12-223	52.10	54.10	4ab	22	3.5	0.110	<0.8	<0.7	0.5	3.6	0.032	0.06	8.8	5	30
15412	MR1-12-223	54.10	56.10	4ab	22	4.4	0.110	<0.8	<0.7	0.8	3.2	0.054	0.06	6.4	9	28

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15413	MR1-12-223	56.10	58.00	4ab	30	7.1	0.390	<0.8	<0.7	1.5	4.4	0.100	0.15	8.5	37	35
15414	MR1-12-223	58.00	59.70	4ab	39	6.1	0.280	<0.8	<0.7	1.8	4.2	0.084	0.12	4.3	35	28
15415	MR1-12-223	59.70	61.70	4d	8.8	13	0.210	<0.8	<0.7	1.9	5.2	0.230	0.94	7.1	36	15
15416	MR1-12-223	61.70	63.70	4d	5.4	11	0.018	<0.8	<0.7	2.4	7.1	0.220	0.79	9.6	42	36
15417	MR1-12-223	63.70	65.40	4d	33	16	0.940	<0.8	<0.7	2.0	16	0.220	0.93	5.3	120	36
15418	MR1-12-223	65.40	67.18	4d	40	9.2	0.360	<0.8	<0.7	1.5	7.2	0.140	0.49	5.5	120	32
15419	MR1-12-223	67.18	69.28	5c	31	2.7	0.018	<0.8	<0.7	2.6	2.7	0.099	0.29	3.4	32	31
15420	MR1-12-223	69.28	71.42	5c	29	3.4	0.012	<0.8	<0.7	1.5	2.5	0.130	0.50	4.1	42	40
15421	MR1-12-223	71.42	73.40	4b	29	1.9	0.043	<0.8	<0.7	1.0	1.7	0.091	0.29	4.0	40	31
15422	MR1-12-223	73.40	75.40	4b	8.2	2.7	0.140	<0.8	0.8	<0.5	1.8	0.079	0.37	3.7	13	22
15423	MR1-12-223	75.40	77.40	4b	6.9	5.4	0.190	<0.8	<0.7	<0.5	1.7	0.096	0.60	3.5	10	21
15424	MR1-12-223	77.40	79.40	4b	27	2.8	0.110	<0.8	<0.7	<0.5	1.6	0.099	0.53	2.8	20	25
15425	MR1-12-223	79.40	81.40	4b	38	2.7	0.077	<0.8	<0.7	<0.5	2.0	0.110	0.60	2.0	25	28
15426	MR1-12-223	81.40	83.40	4b	31	2.5	0.044	<0.8	<0.7	<0.5	3.1	0.110	0.65	1.8	23	26
15427	MR1-12-223	83.40	85.40	4b	26	2.5	0.013	<0.8	<0.7	<0.5	1.8	0.085	0.51	3.4	16	22
15428	MR1-12-223	85.40	87.40	4b	37	1.7	0.008	<0.8	<0.7	<0.5	2.3	0.110	0.76	1.1	32	35
15429	MR1-12-223	87.40	89.20	4b	40	1.9	0.010	<0.8	<0.7	<0.5	4.8	0.092	0.81	2.0	32	36
15430	MR1-12-223	89.20	91.00	4b	50	1.7	0.015	<0.8	<0.7	<0.5	3.5	0.076	0.62	1.8	27	27
15431	MR1-12-223	91.00	92.90	4b	36	1.8	0.012	<0.8	<0.7	<0.5	2.2	0.099	0.59	2.1	26	25
15432	MR1-12-223	92.90	94.60	4b	30	4.4	0.240	<0.8	<0.7	<0.5	2.2	0.100	0.64	2.1	21	29
15433	MR1-12-223	94.60	96.60	5c	10	5.8	0.170	<0.8	<0.7	<0.5	1.9	0.094	0.53	2.9	7	30
15434	MR1-12-223	96.60	98.60	5c	6.7	6.6	0.083	<0.8	0.8	<0.5	1.1	0.073	0.34	3.9	3	28
15435	MR1-12-223	98.60	100.60	5c	6.9	5.6	0.069	<0.8	<0.7	<0.5	1.6	0.064	0.30	4.0	2	24
15436	MR1-12-223	100.60	102.60	5c	6.8	2.0	0.017	<0.8	<0.7	<0.5	2.2	0.034	0.13	2.8	1	15
15437	MR1-12-223	102.60	104.60	5c	5.6	1.5	0.028	<0.8	<0.7	<0.5	2.1	0.020	0.05	3.4	<1	12
15438	MR1-12-223	104.60	106.60	5c	3.2	1.7	0.006	<0.8	<0.7	53	2.2	0.026	0.07	2.5	1	19
15439	MR1-12-223	106.60	108.40	5c	6.6	1.9	0.012	<0.8	<0.7	<0.5	1.9	0.040	0.13	3.4	2	21
15440	MR1-12-223	108.40	110.20	5c	13	8.4	0.270	<0.8	<0.7	<0.5	7.1	0.110	0.40	3.2	6	27
15441	MR1-12-223	110.20	112.05	5c	6.9	8.5	0.240	<0.8	<0.7	<0.5	1.4	0.066	0.26	1.7	3	26
15442	MR1-12-223	112.05	114.10	5c	8.0	3.0	0.038	<0.8	<0.7	12	1.4	0.055	0.24	3.2	9	19
15443	MR1-12-223	114.10	116.10	5c	6.1	9.1	0.350	<0.8	<0.7	0.8	2.3	0.190	0.74	3.4	17	47
15444	MR1-12-223	116.10	118.10	5c	26	8.8	0.098	<0.8	<0.7	<0.5	2.5	0.110	0.33	3.7	13	50
15445	MR1-12-223	118.10	120.10	5c	4.4	5.4	0.008	<0.8	<0.7	3.6	3.9	0.100	0.29	5.9	10	57
15446	MR1-12-223	120.10	122.10	5c	3.0	22	0.190	<0.8	<0.7	3.3	4.8	0.150	0.34	4.2	9	110
15447	MR1-12-223	122.10	124.10	5c	3.7	9.2	0.021	<0.8	<0.7	1.3	4.9	0.150	0.27	3.7	10	60
15448	MR1-12-223	124.10	126.20	5c	5.3	6.6	0.260	<0.8	<0.7	<0.5	3.5	0.160	0.55	4.8	11	45
15449	MR1-12-223	126.20	128.30	5c	4.6	9.5	0.120	<0.8	1.0	1.7	3.5	0.260	0.87	6.1	22	57
15450	MR1-12-223	128.30	130.40	5c	5.8	26	0.250	<0.8	<0.700	1.0	2.9	0.250	0.90	4.9	27	62
15451	MR1-12-223	130.40	132.46	5c	6.3	28	0.140	<0.8	<0.700	3.9	3.6	0.240	0.69	4.8	28	280
15452	MR1-12-223	132.46	134.20	4d	44	80	1.200	<0.8	<0.700	3.7	6.7	0.250	1.1	5.8	130	170
15453	MR1-12-223	134.20	136.00	4d	49	130	0.690	<0.8	<0.700	3.8	10	0.220	1.7	9.8	83	250
15454	MR1-12-223	136.00	137.76	4d	99	28	0.130	<0.8	<0.700	2.4	6.9	0.260	1.2	2.2	95	81
15455	MR1-12-223	137.76	139.70	4b	20	59	0.430	<0.8	<0.700	1.2	5.4	0.190	1.1	5.7	36	72
15456	MR1-12-223	139.70	141.60	4b	25	16	0.014	<0.8	<0.700	<0.5	7.1	0.150	0.58	4.9	23	40
15457	MR1-12-223	141.60	143.50	4b	21	18	0.007	<0.8	<0.700	<0.5	9.4	0.150	0.61	5.1	22	42
15458	MR1-12-223	143.50	145.40	4b	35	280	0.340	<0.8	<0.700	0.7	5.6	0.210	1.0	2.9	36	92
15459	MR1-12-223	145.40	147.30	4b	27	40	0.015	<0.8	<0.700	1.0	4.0	0.110	0.88	17	23	75
15460	MR1-12-223	147.30	149.20	4b	12	22	0.021	<0.8	<0.700	1.1	4.1	0.054	0.84	17	5	74
15461	MR1-12-223	149.20	151.00	4b	15	74	0.150	<0.8	<0.700	2.2	5.1	0.073	0.54	9.5	18	89
15462	MR1-12-223	151.00	153.00	4b	25	97	0.060	<0.8	<0.700	1.9	4.9	0.140	0.54	9.5	26	77
15463	MR1-12-223	153.00	155.00	4b	46	76	0.150	<0.8	<0.700	1.2	5.8	0.220	0.70	3.3	61	78
15464	MR1-12-223	155.00	157.00	4b	32	31	0.041	<0.8	<0.700	1.0	4.3	0.150	0.67	9.1	22	52
15465	MR1-12-223	157.00	159.00	4b	20	280	0.770	<0.8	<0.700	1.6	5.6	0.300	1.4	10	57	180
15466	MR1-12-223	159.00	161.00	4b	52	56	0.017	<0.8	<0.700	1.1	3.6	0.150	0.73	11	20	64
15467	MR1-12-223	161.00	163.00	4b	4.6	310	0.049	<0.8	<0.700	<0.5	3.2	0.023	0.24	9.3	1	26
15468	MR1-12-223	163.00	165.00	4b	7.3	80	0.009	<0.8	0.9	0.9	4.4	0.039	0.67	14	2	53
15469	MR1-12-223	165.00	167.00	4b	9.7	49	0.006	<0.8	<0.7	0.8	2.5	0.055	0.66	14	3	58
15470	MR1-12-223	167.00	169.00	4b	9.4	100	0.005	<0.8	<0.7	1.2	3.6	0.050	0.88	14	4	76
15471	MR1-12-223	169.00	170.80	4b	8.7	140	0.006	<0.8	<0.7	1.0	1.4	0.055	0.67	15	3	69
15472	MR1-12-223	170.80	172.90	4b	44	23	0.015	<0.8	<0.7	2.0	9.0	0.094	1.1	14	17	70
15473	MR1-12-223	172.90	175.00	4b	38	270	0.160	<0.8	<0.7	1.4	6.9	0.150	0.77	5.5	160	74
4988	MR1-12-223a	9.30	11.40	4ab	130	2.0	0.014	<0.8	<0.7	0.5	6.4	0.013	<0.02	1.4	60	34
4989	MR1-12-223a	11.40	13.50	4ab	110	1.9	0.013	<0.8	<0.7	<0.5	5.8	0.011	<0.02	1.4	61	35
4990	MR1-12-223a	13.50	15.60	4ab	120	5.9	0.022	<0.8	0.8	<0.5	6.1	0.020	<0.02	2.8	79	40
4991	MR1-12-223a	15.60	17.70	4ab	150	2.9	0.021	<0.8	<0.7	2.2	5.6	0.120	0.25	3.1	110	54
4992	MR1-12-223a	17.70	19.90	4ab	68	2.7	0.006	<0.8	<0.7	1.4	2.6	0.049	0.16	7.8	24	47
4993	MR1-12-223a	19.90	21.40	5c	22	3.0	0.005	<0.800	<0.700	0.5	1.8	0.077	0.29	3.1	19	33
4994	MR1-12-223a	21.40	23.00	5c	21	3.6	0.037	<0.8	0.7	0.6	1.5	0.089	0.39	2.7	18	31
15479	MR1-12-224	21.23	23.40	4ca	100	2.5	0.014	<0.8	<0.7	0.6	3.0	0.038	0.03	5.8	62	110

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15480	MR1-12-224	23.40	25.50	4ca	97	8.8	0.018	<0.8	<0.7	1.4	3.6	0.180	0.63	4.0	70	41
15481	MR1-12-224	25.50	27.50	5a	96	7.4	0.005	<0.8	<0.7	1.6	4.8	0.160	0.59	3.4	62	51
15482	MR1-12-224	27.50	29.50	5a	68	10	0.017	<0.8	<0.7	1.3	2.6	0.120	0.55	4.9	23	26
15483	MR1-12-224	29.50	31.30	5a	13	7.7	0.020	<0.8	<0.7	1.4	3.1	0.160	0.46	4.1	21	17
15484	MR1-12-224	31.30	33.10	5a	14	5.1	0.016	<0.8	<0.7	1.2	2.6	0.098	0.39	6.8	12	3.9
15485	MR1-12-224	33.10	34.90	5a	9.2	5.1	0.003	<0.8	<0.7	0.7	2.6	0.038	0.22	8.4	2	4.6
15486	MR1-12-224	34.90	36.70	5a	8.3	4.5	0.014	<0.8	<0.7	0.9	3.0	0.085	0.27	3.6	11	14
15487	MR1-12-224	36.70	38.77	5a	8.3	4.2	0.004	<0.8	<0.7	1.2	4.3	0.140	0.28	2.9	28	30
15488	MR1-12-224	38.77	40.77	5c	15	3.0	0.002	<0.8	<0.7	<0.5	3.3	0.086	0.28	1.2	20	15
15489	MR1-12-224	40.77	42.77	5c	8.2	3.3	0.004	<0.8	<0.7	0.8	6.3	0.130	0.41	2.3	21	40
15490	MR1-12-224	42.77	44.77	5c	8.4	4.7	0.003	<0.8	<0.7	<0.5	3.3	0.054	0.35	3.3	5	20
15491	MR1-12-224	44.77	46.77	5c	18	3.3	0.002	<0.8	<0.7	0.8	3.2	0.100	0.35	2.0	21	31
15492	MR1-12-224	46.77	48.77	5c	19	3.8	0.007	<0.8	<0.7	1.1	5.1	0.170	0.53	1.2	45	31
15493	MR1-12-224	48.77	50.77	5c	26	2.3	0.007	<0.8	<0.7	0.8	4.1	0.160	0.45	0.75	51	40
15494	MR1-12-224	50.77	52.77	5c	30	2.1	0.009	<0.8	<0.7	0.7	4.0	0.120	0.34	1.0	45	37
15495	MR1-12-224	52.77	54.77	5c	31	1.7	0.015	<0.8	<0.7	0.6	4.1	0.079	0.27	1.1	37	49
15496	MR1-12-224	54.77	56.77	5c	17	2.4	0.032	<0.8	<0.7	1.2	7.2	0.150	0.39	2.3	37	46
15497	MR1-12-224	56.77	58.67	5c	26	1.9	0.007	<0.8	<0.7	0.7	4.9	0.150	0.34	1.9	36	48
15498	MR1-12-224	58.67	60.57	5c	11	3.4	0.045	<0.8	<0.7	1.1	6.9	0.190	0.31	3.3	27	45
15499	MR1-12-224	60.57	62.50	5c	12	1.7	0.009	<0.8	<0.7	<0.5	7.7	0.220	0.29	0.96	50	39
15500	MR1-12-224	62.50	64.20	5a	7.1	3.1	0.020	<0.8	<0.7	1.3	11	0.230	0.26	2.6	29	39
15501	MR1-12-224	64.20	65.90	5a	7.1	4.6	0.015	<0.8	<0.7	1.5	11	0.220	0.28	3.9	28	38
15502	MR1-12-224	65.90	67.60	5a	7.7	5.7	0.120	<0.8	<0.7	1.3	11	0.220	0.29	3.2	30	39
15503	MR1-12-224	67.60	69.31	5a	7.9	4.9	0.012	<0.8	<0.7	1.4	11	0.260	0.35	1.9	34	42
15504	MR1-12-224	69.31	71.31	4cb	26	3.4	0.007	<0.8	<0.7	1.1	8.1	0.160	0.31	2.5	35	35
15505	MR1-12-224	71.31	73.31	4cb	32	1.8	0.045	<0.8	<0.7	1.4	14	0.240	0.49	1.6	62	53
15506	MR1-12-224	73.31	75.11	4cb	33	2.2	0.010	<0.8	<0.7	1.2	8.4	0.220	0.47	1.5	55	48
15507	MR1-12-224	75.11	76.91	4cb	28	2.6	0.008	<0.8	<0.7	1.5	6.7	0.220	0.40	1.4	46	45
15508	MR1-12-224	76.91	78.70	4cb	11	5.9	0.019	<0.8	<0.7	1.4	12	0.180	0.27	3.3	30	38
15509	MR1-12-224	78.70	80.40	5a	8.1	2.6	0.058	<0.8	<0.7	1.1	4.9	0.270	0.38	1.7	33	43
15510	MR1-12-224	80.40	82.10	5a	7.2	3.1	0.045	<0.8	<0.7	3.5	6.0	0.270	0.34	1.7	35	42
15511	MR1-12-224	82.10	83.45	5a	24	3.7	0.300	<0.8	<0.7	2.8	5.0	0.280	0.50	4.2	61	58
15512	MR1-12-224	83.45	85.45	5a	46	2.5	0.060	<0.8	<0.7	1.3	5.6	0.310	0.51	2.2	99	67
15513	MR1-12-224	85.45	87.45	5a	22	4.1	0.049	<0.8	<0.7	2.0	6.8	0.230	0.33	2.9	63	43
15514	MR1-12-224	87.45	89.25	5ab	21	1.2	0.010	<0.8	<0.7	3.7	3.5	0.220	0.34	0.95	43	44
15515	MR1-12-224	89.25	90.95	5ab	20	1.6	0.019	<0.8	<0.7	4.7	11	0.210	0.38	2.0	52	53
15516	MR1-12-224	90.95	92.79	5ab	35	2.3	0.014	<0.8	<0.7	3.6	10	0.260	0.62	3.1	64	53
15517	MR1-12-224	92.79	94.79	4acb	54	4.3	0.042	<0.8	<0.7	0.5	29	0.240	0.81	2.6	61	54
15518	MR1-12-224	94.79	96.49	4acb	51	3.0	0.044	<0.8	<0.7	<0.5	27	0.190	0.59	2.4	47	33
15519	MR1-12-224	96.49	98.19	4acb	25	5.4	0.089	<0.8	<0.7	2.0	9.7	0.230	0.39	2.5	50	40
15520	MR1-12-224	98.19	99.89	4acb	64	3.9	0.013	<0.8	<0.7	1.7	9.3	0.210	0.25	1.7	52	65
15521	MR1-12-224	99.89	101.59	4acb	160	197	0.056	<0.8	<0.7	<0.5	43	0.250	0.34	3.5	50	80
15522	MR1-12-224	101.59	103.41	4acb	290	20	0.096	<0.8	<0.7	0.7	35	0.270	0.54	3.5	55	80
15523	MR1-12-224	103.41	105.41	5a	6.2	11	0.074	<0.8	<0.7	0.7	33	0.140	0.33	4.0	13	32
15524	MR1-12-224	105.41	107.41	5a	10	6.0	0.110	<0.8	<0.7	1.1	14	0.200	0.44	3.2	32	30
15525	MR1-12-224	107.41	109.41	5a	13	3.5	0.095	<0.8	<0.7	0.6	10	0.210	0.49	1.2	52	30
15526	MR1-12-224	109.41	111.41	5a	3.0	6.3	0.038	<0.8	<0.7	0.6	14	0.110	0.16	3.8	6	11
15527	MR1-12-224	111.41	113.51	5a	3.8	5.8	0.048	<0.8	<0.7	0.8	14	0.130	0.26	3.4	11	15
15528	MR1-12-224	113.51	115.61	5a	3.5	3.6	0.044	<0.8	<0.7	0.6	15	0.120	0.28	2.4	9	16
15529	MR1-12-224	115.61	117.80	5a	3.9	4.7	0.085	<0.8	<0.7	0.8	16	0.130	0.31	2.9	10	19
15530	MR1-12-224	117.80	119.80	4bc	22	2.8	0.028	<0.8	<0.7	0.8	12	0.190	0.60	1.3	45	37
15531	MR1-12-224	119.80	121.60	4bc	18	3.7	0.015	<0.8	<0.7	1.5	7.8	0.270	0.70	1.8	66	60
15532	MR1-12-224	121.60	123.39	4bc	9.4	2.7	0.014	<0.8	<0.7	0.8	7.9	0.230	0.46	1.1	39	46
15533	MR1-12-224	123.39	125.39	11ab	9.6	7.9	0.017	<0.8	<0.7	1.1	4.9	0.160	0.36	3.6	26	40
15534	MR1-12-224	125.39	127.39	11ab	12	3.2	0.044	<0.8	<0.7	0.6	4.0	0.210	0.48	1.2	37	49
15535	MR1-12-224	127.39	129.39	11ab	5.4	2.9	0.020	<0.8	<0.7	1.2	6.2	0.180	0.41	2.0	22	49
15536	MR1-12-224	129.39	131.39	11ab	8.7	3.4	0.018	<0.8	<0.7	1.5	9.9	0.230	0.49	2.7	47	62
15537	MR1-12-224	131.39	133.39	11ab	10	7.2	0.014	<0.8	<0.7	1.9	7.9	0.210	0.45	8.0	46	49
15538	MR1-12-224	133.39	135.39	11ab	8.7	15	0.032	<0.8	<0.7	3.0	5.7	0.130	0.31	3.9	26	54
15539	MR1-12-224	135.39	137.39	11ab	10	6.5	0.009	<0.8	<0.7	1.3	2.2	0.170	0.33	2.1	33	41
15540	MR1-12-224	137.39	139.39	11ab	13	4.4	0.016	<0.8	<0.7	<0.5	2.0	0.220	0.44	2.7	41	46
15541	MR1-12-224	139.39	141.39	11ab	21	3.3	0.018	<0.8	<0.7	0.8	3.1	0.210	0.42	3.4	53	51
15542	MR1-12-224	141.39	143.09	11ab	17	1.4	0.007	<0.8	<0.7	1.1	2.1	0.160	0.21	1.5	33	44
15543	MR1-12-224	143.09	144.79	11ab	14	2.1	0.004	<0.8	<0.7	0.7	4.4	0.086	0.17	3.2	34	31
15544	MR1-12-224	144.79	146.49	11ab	17	4.4	0.006	<0.8	<0.7	0.9	4.5	0.220	0.42	1.6	48	42
15545	MR1-12-224	146.49	148.19	11ab	12	6.3	0.036	<0.8	<0.7	1.4	7.1	0.220	0.47	2.5	73	49
15546	MR1-12-224	148.19	149.89	11ab	13	3.5	0.059	<0.8	<0.7	1.4	5.7	0.290	0.49	1.5	110	57
15547	MR1-12-224	149.89	151.89	11ab	15	3.4	0.031	<0.8	<0.7	1.9	7.3	0.210	0.37	3.8	64	50
15548	MR1-12-224	151.89	153.89	11ab	50	2.0	0.012	<0.8	<0.7	0.9	5.4	0.180	0.39	1.6	54	60

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15549	MR1-12-224	153.89	155.89	11ab	18	4.7	0.006	<0.8	<0.7	<0.5	6.0	0.140	0.21	1.6	36	45
15550	MR1-12-224	155.89	157.89	11ab	180	2.8	0.045	<0.8	<0.7	<0.5	13	0.170	0.24	1.1	48	46
15551	MR1-12-224	157.89	159.89	11ab	220	3.4	0.046	<0.8	<0.7	1.6	9.9	0.240	0.52	1.3	82	90
15552	MR1-12-224	159.89	161.89	11ab	11	6.3	0.053	<0.8	<0.7	1.2	3.9	0.210	0.37	2.0	64	59
15553	MR1-12-224	161.89	163.69	11ab	11	7.2	0.037	<0.8	<0.7	1.2	16	0.160	0.35	2.1	35	38
15554	MR1-12-224	163.69	165.26	11ab	7.9	5.5	0.006	<0.8	<0.7	3.3	5.0	0.210	0.46	3.1	50	57
15555	MR1-12-224	165.26	166.76	12a	3.8	22	0.017	<0.8	<0.7	1.7	8.1	0.005	0.07	6.4	2	18
15556	MR1-12-224	166.76	168.25	12a	2.8	19	0.022	<0.8	<0.7	1.9	12	0.006	0.06	7.0	3	20
15557	MR1-12-224	168.25	169.03	11ab	6.9	7.8	0.026	<0.8	<0.7	1.0	19	0.100	0.09	2.3	25	42
15558	MR1-12-224	169.03	171.03	5a	12	2.4	0.007	<0.8	<0.7	0.7	5.8	0.140	0.20	1.5	32	37
15559	MR1-12-224	171.03	172.83	5a	16	1.5	0.004	<0.8	<0.7	<0.5	4.4	0.160	0.38	1.1	31	36
15560	MR1-12-224	172.83	174.60	5a	17	5.2	0.026	<0.8	<0.7	1.1	9.9	0.210	0.46	1.5	45	53
15561	MR1-12-224	174.60	176.80	11a	23	10	0.020	<0.8	<0.7	2.0	7.8	0.160	0.47	3.8	30	50
15562	MR1-12-224	176.80	179.14	11a	16	5.4	0.026	<0.8	<0.7	2.5	13	0.190	0.49	3.6	46	52
15563	MR1-12-224	179.14	181.14	11a	12	7.0	0.018	<0.8	<0.7	3.3	7.7	0.310	0.69	3.4	59	70
15564	MR1-12-224	181.14	183.14	11a	9.6	8.4	0.044	<0.8	<0.7	2.9	10	0.250	0.53	5.2	48	53
15565	MR1-12-224	183.14	185.14	11a	10	11	0.061	<0.8	<0.7	3.1	9.4	0.290	0.58	3.8	53	63
15566	MR1-12-224	185.14	187.14	11a	10	20	0.052	<0.8	<0.7	3.7	13	0.250	0.50	4.7	45	62
15567	MR1-12-224	187.14	189.14	11a	9.5	9.8	0.040	<0.8	<0.7	3.0	12	0.270	0.55	4.2	44	63
15568	MR1-12-224	189.14	191.34	11a	10	6.4	0.071	<0.8	<0.7	2.0	7.1	0.240	0.49	5.7	35	49
15569	MR1-12-224	191.34	193.54	11a	13	3.7	0.007	<0.8	<0.7	1.4	5.7	0.230	0.50	1.8	45	53
15570	MR1-12-224	193.54	195.82	11a	18	19	0.007	<0.8	<0.7	0.8	4.5	0.190	0.45	1.4	37	59
15571	MR1-12-224	195.82	197.82	5a	33	400	0.020	<0.8	<0.7	0.9	5.6	0.210	0.51	2.3	48	50
15572	MR1-12-224	197.82	199.82	5a	34	36	0.041	<0.8	<0.7	1.9	9.4	0.280	0.72	2.5	57	70
15573	MR1-12-224	199.82	201.62	5a	11	18	0.075	<0.8	<0.7	1.0	12	0.210	0.59	3.7	66	48
15574	MR1-12-224	201.62	203.54	5a	9.2	4.1	0.069	<0.8	<0.7	1.5	14	0.150	0.44	4.7	49	41
15575	MR1-12-224	203.54	205.54	12a	4.0	10	0.068	<0.8	<0.7	1.3	10	0.023	0.06	7.6	6	21
15576	MR1-12-224	205.54	207.64	12a	3.7	6.5	0.010	<0.8	<0.7	1.1	3.7	0.009	0.03	4.1	3	12
15577	MR1-12-224	207.64	209.70	12a	7.4	3.4	0.004	<0.8	0.8	1.3	3.7	0.047	0.10	5.4	22	19
15578	MR1-12-224	209.70	211.70	4cb	17	1.4	0.017	<0.8	<0.7	1.4	3.6	0.150	0.29	2.0	44	30
15579	MR1-12-224	211.70	213.70	4cb	13	1.1	0.017	<0.8	<0.7	0.7	3.4	0.140	0.25	1.6	46	37
15580	MR1-12-224	213.70	215.62	4cb	26	1.7	0.009	<0.8	<0.7	1.2	4.3	0.098	0.26	4.3	75	41
15581	MR1-12-224	215.62	217.62	12a	3.4	6.9	0.010	<0.8	<0.7	1.0	3.2	0.006	0.03	5.5	2	9.2
15582	MR1-12-224	217.62	219.82	12a	4.4	7.2	0.006	<0.8	<0.7	1.0	3.0	0.006	0.04	5.5	3	10
15583	MR1-12-224	219.82	222.02	12a	3.9	7.8	0.036	<0.8	<0.7	1.5	3.1	0.003	0.04	7.5	<1	10
15584	MR1-12-224	222.02	224.32	12a	4.2	9.6	0.022	<0.8	<0.7	1.7	3.3	0.016	0.11	6.9	5	15
15585	MR1-12-224	224.32	226.32	11ab	15	2.5	0.007	<0.8	<0.7	0.9	5.0	0.180	0.54	4.2	41	30
15586	MR1-12-224	226.32	228.32	11ab	18	7.8	0.011	<0.8	<0.7	1.1	5.0	0.200	0.62	2.1	45	40
15587	MR1-12-224	228.32	229.92	11a	20	1.2	0.004	<0.8	<0.7	0.6	4.1	0.240	0.62	1.2	53	35
15588	MR1-12-224	229.92	231.37	11a	17	1.5	0.007	<0.8	<0.7	1.1	5.7	0.260	0.66	1.8	61	40
15589	MR1-12-224	231.37	232.02	11ab	16	1.8	0.006	<0.8	<0.7	1.9	4.5	0.280	0.69	1.3	64	40
15590	MR1-12-224	232.02	234.02	11b	4.7	6.6	0.029	<0.8	<0.7	1.1	7.6	0.073	0.22	6.1	10	18
15591	MR1-12-224	234.02	236.22	11b	7.2	4.6	0.006	<0.8	<0.7	1.6	6.2	0.130	0.35	5.1	19	28
15592	MR1-12-224	236.22	238.42	11b	19	2.4	0.034	<0.8	<0.7	1.7	5.1	0.140	0.40	4.4	47	34
15593	MR1-12-224	238.42	240.71	11b	29	1.9	0.013	<0.8	<0.7	1.7	6.7	0.100	0.33	3.7	43	56
15594	MR1-12-224	240.71	242.71	5a	50	3.5	0.020	<0.8	<0.7	1.3	8.0	0.200	0.50	3.4	62	69
15595	MR1-12-224	242.71	244.71	5a	11	4.8	0.041	<0.8	<0.7	1.9	5.7	0.260	0.46	2.9	34	60
15596	MR1-12-224	244.71	246.71	5a	15	8.7	0.049	3.3	<0.7	9.6	7.0	0.280	0.50	2.9	34	62
15597	MR1-12-224	246.71	248.55	5a	8.8	9.3	0.016	1.8	<0.7	5.0	9.1	0.190	0.32	4.4	32	35
15598	MR1-12-224	248.55	250.55	11ab	5.0	5.8	0.054	<0.8	<0.7	0.7	24	0.150	0.27	5.7	30	31
15599	MR1-12-224	250.55	252.00	11ab	21	5.3	0.030	<0.8	<0.7	2.1	20	0.230	0.45	2.9	48	63
15701	MR1-12-225	12.30	14.00	5c	240	3.1	0.010	<0.8	<0.7	<0.5	4.0	0.049	0.14	15	48	150
15702	MR1-12-225	14.00	16.00	5c	29	3.2	0.007	<0.8	<0.7	<0.5	3.8	0.067	0.25	2.4	8	27
15703	MR1-12-225	16.00	18.00	5c	11	4.8	0.006	<0.8	<0.7	<0.5	3.3	0.052	0.18	1.3	7	22
15704	MR1-12-225	18.00	20.00	5c	26	4.1	0.006	<0.8	<0.7	<0.5	3.5	0.045	0.14	1.5	10	27
15705	MR1-12-225	20.00	22.00	5c	13	2.7	0.006	<0.8	<0.7	<0.5	3.2	0.046	0.14	1.4	9	26
15706	MR1-12-225	22.00	24.00	5c	48	2.9	0.006	<0.8	<0.7	<0.5	3.2	0.081	0.29	1.5	26	38
15707	MR1-12-225	24.00	26.00	5c	20	2.9	0.005	<0.8	<0.7	<0.5	4.4	0.035	0.12	1.6	21	20
15708	MR1-12-225	26.00	28.00	5c	11	3.5	0.006	<0.8	<0.7	<0.5	3.8	0.039	0.14	2.1	7	20
15709	MR1-12-225	28.00	30.00	5c	8.1	3.3	0.005	<0.8	<0.7	<0.5	2.6	0.110	0.45	1.8	10	26
15710	MR1-12-225	30.00	32.00	5c	7.9	2.8	0.008	<0.8	<0.7	<0.5	3.4	0.110	0.42	1.7	9	17
15711	MR1-12-225	32.00	34.00	5c	19	2.1	0.004	<0.8	<0.7	<0.5	3.0	0.049	0.22	1.6	10	14
15712	MR1-12-225	34.00	36.00	5c	15	1.8	0.007	<0.8	<0.7	<0.5	4.6	0.066	0.27	1.9	12	24
15713	MR1-12-225	36.00	38.00	5c	25	2.1	0.006	<0.8	<0.7	<0.5	2.6	0.120	0.49	1.3	34	18
15714	MR1-12-225	38.00	40.00	5c	11	2.1	0.006	<0.8	<0.7	<0.5	2.7	0.120	0.56	1.1	13	26
15715	MR1-12-225	40.00	42.00	5c	5.9	2.2	0.005	<0.8	<0.7	<0.5	2.8	0.086	0.37	1.9	6	23
15716	MR1-12-225	42.00	44.00	5c	6.3	2.7	0.008	<0.8	<0.7	1.0	6.4	0.120	0.52	1.9	10	37
15717	MR1-12-225	44.00	45.70	5c	5.4	4.8	0.016	<0.8	<0.7	1.6	9.8	0.150	0.51	2.5	12	74
15718	MR1-12-225	45.70	47.40	5c	4.9	6.0	0.035	<0.8	<0.7	1.2	14	0.150	0.48	3.6	11	60

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15719	MR1-12-225	47.40	49.10	4b	13	7.9	0.089	<0.8	<0.7	0.8	16	0.140	0.45	1.7	23	41
15720	MR1-12-225	49.10	51.00	4b	5.3	10	0.220	<0.8	<0.7	0.6	31	0.097	0.33	4.0	7	32
15721	MR1-12-225	51.00	53.00	4b	7.8	6.6	0.047	<0.8	<0.7	0.7	28	0.150	0.43	2.2	16	31
15722	MR1-12-225	53.00	55.30	4b	19	6.6	0.200	<0.8	<0.7	0.8	17	0.230	0.76	2.2	54	66
15723	MR1-12-225	55.30	57.50	4b	26	4.8	0.210	<0.8	<0.7	0.9	9.7	0.250	0.67	1.9	57	49
15724	MR1-12-225	57.50	59.70	4b	29	3.9	0.020	<0.8	<0.7	1.1	14	0.270	0.87	1.1	74	46
15725	MR1-12-225	59.70	62.11	4b	21	3.4	0.042	<0.8	<0.7	0.6	17	0.200	0.52	2.2	50	39
15726	MR1-12-225	62.11	64.00	5a	4.2	5.4	0.040	<0.8	<0.7	<0.5	16	0.140	0.27	2.0	11	26
15727	MR1-12-225	64.00	66.00	5a	4.8	4.6	0.064	<0.8	<0.7	<0.5	23	0.120	0.25	2.3	8	23
15728	MR1-12-225	66.00	68.00	5a	5.3	4.7	0.042	<0.8	<0.7	<0.5	19	0.130	0.24	2.8	9	20
15729	MR1-12-225	68.00	70.00	5a	3.8	4.6	0.087	<0.8	<0.7	<0.5	21	0.140	0.29	2.1	11	25
15730	MR1-12-225	70.00	72.00	5a	24	2.1	0.420	<0.8	<0.7	<0.5	14	0.120	0.20	2.5	38	29
15731	MR1-12-225	72.00	74.00	5a	11	3.2	0.046	<0.8	<0.7	0.5	13	0.180	0.32	1.8	28	31
15732	MR1-12-225	74.00	76.00	5a	3.5	5.9	0.120	<0.8	<0.7	0.5	37	0.130	0.35	1.7	11	26
15733	MR1-12-225	76.00	78.00	5a	4.5	6.0	0.099	<0.8	<0.7	0.7	16	0.150	0.27	1.8	13	28
15734	MR1-12-225	78.00	80.00	5a	5.9	4.7	0.042	<0.8	<0.7	0.7	9.6	0.160	0.20	1.7	15	27
15735	MR1-12-225	80.00	82.00	5a	6.1	5.3	0.068	<0.8	<0.7	0.9	17	0.150	0.36	1.4	16	37
15736	MR1-12-225	82.00	84.00	5a	4.8	5.8	0.043	<0.8	<0.7	1.0	12	0.150	0.25	3.8	14	25
15737	MR1-12-225	84.00	86.00	5a	4.6	5.4	0.018	<0.8	1.0	0.8	10	0.160	0.24	2.7	13	28
15738	MR1-12-225	86.00	88.00	5a	4.1	6.7	0.039	<0.8	1.2	<0.5	27	0.140	0.21	3.7	11	22
15739	MR1-12-225	88.00	90.00	5a	14	3.4	0.058	<0.8	<0.7	1.1	9.7	0.280	0.36	1.6	52	38
15740	MR1-12-225	90.00	92.00	5a	11	4.9	0.080	<0.8	0.9	0.7	18	0.230	0.30	3.6	40	40
15741	MR1-12-225	92.00	94.00	5a	5.7	6.6	0.041	<0.8	0.7	<0.5	20	0.200	0.31	2.8	18	44
15742	MR1-12-225	94.00	96.00	5a	4.4	6.1	0.070	<0.8	0.9	<0.5	35	0.140	0.20	2.2	11	23
15743	MR1-12-225	96.00	98.00	5a	5.5	5.1	0.038	<0.8	<0.7	0.8	8.9	0.210	0.27	1.7	18	35
15744	MR1-12-225	98.00	100.00	5a	5.1	6.4	0.030	<0.8	<0.7	<0.5	15	0.190	0.30	2.1	15	30
15745	MR1-12-225	100.00	102.08	4b	7.8	4.9	0.044	<0.8	<0.7	0.7	19	0.190	0.31	2.2	22	39
15746	MR1-12-225	102.08	105.35	4b	26	2.7	0.020	<0.8	<0.7	<0.5	14	0.250	0.43	1.4	53	42
15747	MR1-12-225	105.35	107.00	5a	9.1	3.2	0.032	<0.8	<0.7	0.5	18	0.180	0.30	1.9	25	39
15748	MR1-12-225	107.00	109.00	5a	9.8	2.8	0.036	<0.8	<0.7	0.5	24	0.180	0.30	2.2	22	31
15749	MR1-12-225	109.00	111.00	5a	9.8	2.9	0.014	<0.8	<0.7	0.7	14	0.230	0.35	2.0	36	38
15750	MR1-12-225	111.00	113.00	5a	5.3	7.0	0.052	<0.8	<0.7	<0.5	28	0.130	0.22	3.0	11	49
15751	MR1-12-225	113.00	115.00	5a	6.5	4.6	0.055	<0.8	<0.7	<0.5	7.0	0.089	0.11	1.0	11	31
15752	MR1-12-225	115.00	117.00	5a	5.4	4.2	0.051	<0.8	<0.7	<0.5	9.0	0.087	0.12	1.4	10	26
15753	MR1-12-225	117.00	119.00	5a	9.2	5.2	0.015	<0.8	<0.7	0.5	7.6	0.140	0.27	3.2	17	35
15754	MR1-12-225	119.00	121.00	5a	12	2.3	0.015	<0.8	1.0	<0.5	5.8	0.140	0.26	1.2	21	34
15755	MR1-12-225	121.00	123.00	5a	12	2.5	0.026	<0.8	<0.7	<0.5	6.5	0.160	0.28	1.8	20	37
15756	MR1-12-225	123.00	124.74	5a	5.7	3.4	0.067	<0.8	<0.7	0.6	6.3	0.170	0.38	2.0	13	41
15757	MR1-12-225	124.74	126.80	11ba	29	3.4	0.033	<0.8	<0.7	<0.5	4.4	0.170	0.45	2.9	30	44
15758	MR1-12-225	126.80	128.90	11ba	40	5.6	0.008	<0.8	<0.7	0.6	9.0	0.250	0.69	1.3	58	74
15759	MR1-12-225	128.90	131.00	11ba	48	14	0.007	<0.8	<0.7	0.6	5.3	0.180	0.50	0.69	42	65
15760	MR1-12-225	131.00	133.00	11ba	39	1.2	0.004	<0.8	<0.7	<0.5	3.2	0.170	0.33	0.50	58	37
15761	MR1-12-225	133.00	135.00	11ba	31	1.1	0.004	<0.8	<0.7	<0.5	4.1	0.150	0.29	1.1	48	44
15762	MR1-12-225	135.00	136.70	11ba	9.3	1.2	0.012	<0.8	<0.7	<0.5	5.1	0.054	0.08	1.1	17	34
15763	MR1-12-225	136.70	138.40	11ba	23	1.3	0.038	<0.8	<0.7	<0.5	5.2	0.120	0.17	1.4	32	47
15764	MR1-12-225	138.40	140.34	11ba	45	1.7	0.008	<0.8	<0.7	1.6	9.3	0.340	0.50	1.8	81	73
15765	MR1-12-225	140.34	142.37	11ba	8.2	3.5	0.013	<0.8	<0.7	<0.5	10	0.077	0.10	4.7	16	21
15766	MR1-12-225	142.37	144.30	11ba	41	2.4	0.012	<0.8	<0.7	1.8	18	0.390	0.47	1.8	92	76
15767	MR1-12-225	144.30	146.00	11ba	46	2.5	0.013	<0.8	<0.7	2.5	30	0.430	0.46	1.5	90	78
15768	MR1-12-225	146.00	148.00	11ba	26	1.0	0.018	<0.8	<0.7	0.5	8.8	0.220	0.26	0.99	48	44
15769	MR1-12-225	148.00	150.00	11ba	33	0.73	0.006	<0.8	<0.7	<0.5	6.0	0.190	0.31	0.82	50	39
15770	MR1-12-225	150.00	152.00	11ba	25	1.3	0.062	<0.8	<0.7	<0.5	8.6	0.200	0.34	1.7	40	37
15771	MR1-12-225	152.00	154.00	11ba	27	1.0	0.009	<0.8	<0.7	0.7	8.3	0.280	0.36	1.5	76	50
15772	MR1-12-225	154.00	155.70	11ba	31	0.89	0.008	<0.8	<0.7	<0.5	5.0	0.250	0.35	0.74	60	53
15773	MR1-12-225	155.70	157.50	11ba	27	1.2	0.006	<0.8	<0.7	0.5	7.4	0.170	0.36	1.3	45	45
15774	MR1-12-225	157.50	159.80	5a	4.8	1.7	0.043	<0.8	0.8	0.5	11	0.140	0.18	1.2	14	23
15775	MR1-12-225	159.80	162.06	5a	4.4	2.5	0.100	<0.8	<0.7	0.9	13	0.150	0.18	1.5	14	27
15776	MR1-12-225	162.06	164.00	11ba	31	1.2	0.015	<0.8	<0.7	0.7	11	0.350	0.44	0.69	76	52
15777	MR1-12-225	164.00	166.00	11ba	27	2.3	0.023	<0.8	<0.7	0.9	20	0.350	0.41	0.92	88	49
15778	MR1-12-225	166.00	168.00	11ba	24	2.2	0.053	<0.8	<0.7	0.6	25	0.310	0.37	0.99	78	44
15779	MR1-12-225	168.00	170.00	11ba	26	1.4	0.024	<0.8	<0.7	0.6	23	0.320	0.38	0.96	89	49
15780	MR1-12-225	170.00	172.00	11ba	26	1.9	0.030	<0.8	<0.7	0.6	17	0.320	0.34	0.72	91	49
15781	MR1-12-225	172.00	174.00	11ba	25	2.0	0.033	<0.8	<0.7	0.6	19	0.320	0.39	0.75	85	48
15782	MR1-12-225	174.00	176.00	11ba	35	1.8	0.082	<0.8	<0.7	1.0	20	0.340	0.43	0.84	82	56
15783	MR1-12-225	176.00	178.00	11ba	27	0.96	0.023	<0.8	<0.7	<0.5	8.8	0.330	0.38	0.65	72	49
15784	MR1-12-225	178.00	180.00	11ba	44	1.6	0.012	<0.8	<0.7	0.7	11	0.280	0.42	1.2	64	49
15785	MR1-12-225	180.00	182.00	11ba	33	1.8	0.031	<0.8	<0.7	1.2	11	0.310	0.44	0.96	69	50
15786	MR1-12-225	182.00	184.00	11ba	32	2.2	0.024	<0.8	<0.7	0.8	17	0.240	0.36	1.7	55	46
15787	MR1-12-225	184.00	186.00	11ba	21	1.2	0.052	<0.8	<0.7	0.8	8.3	0.300	0.38	0.99	73	48

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
15788	MR1-12-225	186.00	188.00	11ba	22	0.58	0.028	<0.8	<0.7	0.8	3.6	0.290	0.31	0.93	72	41
15789	MR1-12-225	188.00	190.00	11ba	40	1.2	0.018	<0.8	<0.7	1.3	8.0	0.300	0.40	2.1	91	56
15790	MR1-12-225	190.00	192.00	11ba	34	0.61	0.032	<0.8	<0.7	1.1	4.4	0.310	0.30	0.85	82	51
15791	MR1-12-225	192.00	194.00	11ba	32	0.56	0.021	<0.8	<0.7	0.8	7.8	0.200	0.24	1.3	58	56
15792	MR1-12-225	194.00	196.00	11ba	28	1.1	0.012	<0.8	<0.7	1.0	8.0	0.290	0.36	1.3	80	46
15793	MR1-12-225	196.00	198.00	11ba	22	1.2	0.039	<0.8	<0.7	0.7	7.6	0.280	0.35	1.6	82	44
15794	MR1-12-225	198.00	200.00	11ba	23	0.50	0.015	<0.8	<0.7	0.7	5.8	0.200	0.22	0.70	77	38
15795	MR1-12-225	200.00	202.00	11ba	28	0.58	0.032	<0.8	<0.7	0.8	8.4	0.260	0.29	0.84	83	37
15796	MR1-12-225	202.00	204.00	11ba	25	0.64	0.025	<0.8	<0.7	6.0	5.8	0.250	0.29	0.88	77	60
15797	MR1-12-225	204.00	206.00	11ba	27	0.97	0.018	<0.8	<0.7	0.9	7.5	0.260	0.34	0.66	83	42
15798	MR1-12-225	206.00	208.00	11ba	19	1.5	0.023	<0.8	<0.7	0.6	7.1	0.260	0.29	0.71	66	36
15799	MR1-12-225	208.00	210.20	11ba	19	1.1	0.043	<0.8	<0.7	0.6	9.2	0.220	0.35	0.87	41	44
15800	MR1-12-225	210.20	212.40	11ba	9.0	2.2	0.130	<0.8	<0.7	<0.5	12	0.150	0.34	2.3	20	29
15801	MR1-12-225	212.40	214.65	11ba	8.2	1.9	0.180	<0.8	0.8	<0.5	29	0.110	0.26	2.3	17	26
15802	MR1-12-225	214.65	217.00	5a	4.1	3.9	0.030	<0.8	<0.7	0.6	8.3	0.130	0.23	2.4	12	28
15803	MR1-12-225	217.00	219.20	5a	5.6	2.1	0.020	<0.8	<0.7	0.6	6.8	0.150	0.23	2.4	16	30
15804	MR1-12-225	219.20	221.40	5a	5.8	2.2	0.041	<0.8	<0.7	0.5	11	0.150	0.23	2.2	16	32
15805	MR1-12-225	221.40	223.60	5a	3.5	3.6	0.067	<0.8	<0.7	0.9	13	0.140	0.19	2.0	12	25
15806	MR1-12-225	223.60	225.80	5a	4.3	1.7	0.031	<0.8	<0.7	0.6	8.3	0.150	0.17	2.0	13	28
15807	MR1-12-225	225.80	228.00	5a	3.6	4.1	0.029	<0.8	<0.7	<0.5	11	0.170	0.24	1.6	13	26
15808	MR1-12-225	228.00	230.00	11a	59	2.3	0.030	<0.8	<0.7	0.7	6.6	0.180	0.36	4.4	32	37
15809	MR1-12-225	230.00	232.00	11a	11	4.6	0.098	<0.8	<0.7	0.7	20	0.160	0.35	4.4	25	33
15810	MR1-12-225	232.00	234.00	11a	9.8	5.1	0.025	<0.8	<0.7	7.3	12	0.130	0.25	6.6	16	29
15811	MR1-12-225	234.00	236.00	11a	27	0.80	0.013	<0.8	<0.7	0.8	5.0	0.260	0.43	1.1	77	43
15812	MR1-12-225	236.00	238.00	11a	16	3.6	0.035	<0.8	<0.7	0.9	19	0.220	0.42	3.3	57	45
15813	MR1-12-225	238.00	240.00	11a	25	0.91	0.230	<0.8	1.0	0.8	20	0.230	0.36	1.3	63	45
15814	MR1-12-225	240.00	242.00	11a	32	0.46	0.012	<0.8	<0.7	0.6	4.5	0.270	0.33	0.61	75	52
15815	MR1-12-225	242.00	244.00	11a	32	1.2	0.016	<0.8	<0.7	1.1	8.2	0.280	0.46	0.60	86	48
15816	MR1-12-225	244.00	246.00	11a	29	0.66	0.032	<0.8	<0.7	0.9	4.2	0.290	0.49	0.57	85	51
15817	MR1-12-225	246.00	248.00	11a	28	0.72	0.039	<0.8	<0.7	0.7	5.0	0.270	0.35	0.61	75	46
15818	MR1-12-225	248.00	250.20	11a	27	0.58	0.012	<0.8	<0.7	<0.5	2.9	0.240	0.28	0.96	53	43
15819	MR1-12-225	250.20	252.40	11a	26	0.40	0.017	<0.8	<0.7	0.6	3.9	0.210	0.28	0.65	70	48
15820	MR1-12-225	252.40	254.65	11a	28	0.40	0.012	<0.8	<0.7	0.5	3.2	0.230	0.31	0.61	70	42
15821	MR1-12-225	254.65	257.20	11a	4.1	1.7	0.200	<0.8	<0.7	0.9	5.6	0.180	0.18	2.8	16	30
15822	MR1-12-225	257.20	259.20	11a	28	0.58	0.019	<0.8	<0.7	0.7	5.8	0.240	0.31	0.64	79	42
15823	MR1-12-225	259.20	261.20	11a	24	0.63	0.018	<0.8	<0.7	0.6	8.9	0.220	0.31	0.52	70	39
15824	MR1-12-225	261.20	263.20	11a	26	0.85	0.015	<0.8	<0.7	1.1	5.8	0.280	0.34	0.80	88	39
15825	MR1-12-225	263.20	265.00	11a	22	1.0	0.022	<0.8	<0.7	<0.5	8.9	0.260	0.29	0.86	86	39
15826	MR1-12-225	265.00	267.00	11a	4.4	1.3	0.045	<0.8	<0.7	0.6	7.5	0.130	0.17	1.3	13	27
15827	MR1-12-225	267.00	269.00	5a	3.5	0.96	0.026	<0.8	<0.7	<0.5	5.6	0.088	0.10	1.0	11	26
15828	MR1-12-225	269.00	271.00	5a	3.7	2.0	0.036	<0.8	<0.7	<0.5	11	0.130	0.15	1.7	11	23
15829	MR1-12-225	271.00	273.13	5a	5.3	1.8	0.045	1.8	<0.7	<0.5	13	0.100	0.12	1.4	17	25
15830	MR1-12-225	273.13	275.00	11a	24	0.72	0.028	<0.8	<0.7	<0.5	15	0.240	0.28	0.71	77	39
15831	MR1-12-225	275.00	277.00	11a	23	0.77	0.049	<0.8	<0.7	0.9	8.8	0.260	0.30	0.91	70	39
15832	MR1-12-225	277.00	279.00	11a	27	0.96	0.025	<0.8	<0.7	0.6	8.9	0.290	0.32	0.62	90	41
15833	MR1-12-225	279.00	281.00	11a	32	1.4	0.034	<0.8	<0.7	0.6	10	0.280	0.30	1.5	83	43
15834	MR1-12-225	281.00	283.00	11a	20	10	0.180	<0.8	<0.7	0.6	9.2	0.220	0.24	3.7	58	42
15835	MR1-12-225	283.00	285.00	11a	22	1.3	0.098	<0.8	<0.7	0.7	6.3	0.240	0.27	2.1	68	38
15836	MR1-12-225	285.00	286.60	11a	24	0.48	0.020	<0.8	<0.7	0.7	6.8	0.210	0.21	1.0	72	36
15630	MR1-12-226	73.17	75.27	4ac	35	5.0	0.100	<0.8	4.1	1.1	0.89	0.023	0.35	0.60	130	92
15631	MR1-12-226	75.27	77.37	4ac	34	6.0	0.110	<0.8	6.2	2.1	1.2	0.021	0.04	0.84	110	100
15632	MR1-12-226	77.37	79.65	4ac	44	7.2	0.120	<0.8	2.6	0.8	1.8	0.019	0.03	0.89	130	78
15644	MR1-12-226	101.34	103.34	4a	260	1.8	0.008	<0.8	<0.7	0.6	1.3	0.027	<0.02	1.2	100	71
15645	MR1-12-226	103.34	105.24	4a	320	1.8	0.040	<0.8	<0.7	<0.5	1.5	0.024	<0.02	1.4	110	73
15646	MR1-12-226	105.24	107.16	4a	290	1.5	0.009	<0.8	<0.7	<0.5	0.68	0.031	<0.02	1.5	100	71
15650	MR1-12-226	112.93	114.93	4acb	59	11	2.600	<0.8	1.2	<0.5	2.3	0.068	0.27	3.3	61	23
15651	MR1-12-226	114.93	116.93	4acb	15	2.7	0.008	<0.8	<0.7	0.7	6.5	0.068	0.11	3.0	48	81
15652	MR1-12-226	116.93	118.93	4acb	14	1.9	0.008	<0.8	<0.7	<0.5	5.8	0.027	<0.02	2.2	41	71
15653	MR1-12-226	118.93	120.72	4acb	17	4.1	0.007	<0.8	<0.7	1.8	8.2	0.096	0.23	3.4	48	71
15654	MR1-12-226	120.72	122.22	4ba	13	6.1	0.009	<0.8	<0.7	2.1	12	0.140	0.53	3.7	50	47
15655	MR1-12-226	122.22	123.72	4ba	13	7.8	0.007	<0.8	<0.7	2.7	11	0.150	0.51	3.4	40	31
15656	MR1-12-226	123.72	125.05	4ba	15	12	0.009	<0.8	<0.7	2.3	7.9	0.240	0.77	2.2	42	13
15657	MR1-12-226	125.05	127.05	4acb	32	12	0.010	<0.8	<0.7	2.9	14	0.220	0.79	2.2	59	27
15658	MR1-12-226	127.05	129.05	4acb	20	13	0.010	<0.8	<0.7	3.8	12	0.310	1.1	2.1	59	13
15659	MR1-12-226	129.05	131.05	4acb	20	16	0.016	<0.8	<0.7	3.6	12	0.320	1.1	2.5	49	8.7
15660	MR1-12-226	131.05	132.95	4acb	13	13	0.008	<0.8	<0.7	2.4	6.1	0.210	0.99	4.0	32	7.7
15661	MR1-12-226	132.95	134.75	4acb	18	14	0.013	<0.8	<0.7	3.9	15	0.340	1.1	2.4	58	10
15662	MR1-12-226	134.75	136.55	4acb	34	4.2	0.007	<0.8	<0.7	1.1	5.8	0.100	0.25	3.2	43	61
15663	MR1-12-226	136.55	138.44	4acb	41	7.2	0.100	<0.8	<0.7	1.9	4.2	0.130	0.62	6.5	39	85

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Ti µg/g	U µg/g	V µg/g	Zn µg/g
15664	MR1-12-226	138.44	140.44	5a	12	5.8	0.008	<0.8	<0.7	1.6	4.2	0.180	0.46	3.1	31	16
15665	MR1-12-226	140.44	142.44	5c	9.5	5.6	0.007	<0.8	<0.7	1.6	3.9	0.180	0.47	2.7	29	11
15666	MR1-12-226	142.44	144.14	5c	9.8	9.1	0.076	<0.8	<0.7	2.4	4.0	0.280	0.69	4.0	38	7.6
15667	MR1-12-226	144.14	146.00	5c	9.8	9.6	0.099	<0.8	<0.7	2.0	3.9	0.270	0.68	4.4	36	6.2
15668	MR1-12-226	146.00	148.00	5c	10	5.8	0.013	<0.8	<0.7	1.0	5.0	0.160	0.50	2.8	25	23
15669	MR1-12-226	148.00	150.00	5c	18	4.2	0.007	<0.8	<0.7	0.7	2.6	0.130	0.45	2.8	18	37
15670	MR1-12-226	150.00	152.00	5c	23	4.8	0.007	<0.8	<0.7	1.0	4.3	0.180	0.65	1.7	33	49
15671	MR1-12-226	152.00	154.00	5c	9.7	3.7	0.007	<0.8	<0.7	0.6	3.6	0.150	0.52	1.4	22	41
15672	MR1-12-226	154.00	156.00	5c	9.6	4.1	0.040	<0.8	<0.7	0.8	6.6	0.160	0.50	1.8	24	39
15673	MR1-12-226	156.00	158.00	5c	73	4.5	0.030	<0.8	<0.7	1.5	9.7	0.200	0.68	1.4	45	58
15674	MR1-12-226	158.00	160.00	5c	8.9	2.2	0.012	<0.8	<0.7	0.8	5.2	0.160	0.61	1.1	28	42
15675	MR1-12-226	160.00	162.00	5c	10	2.7	0.290	<0.8	<0.7	0.8	5.1	0.150	0.54	1.4	29	49
15676	MR1-12-226	162.00	164.00	5c	7.7	1.9	0.048	<0.8	<0.7	0.9	7.5	0.140	0.45	1.3	28	37
15677	MR1-12-226	164.00	166.00	5c	8.8	2.2	0.010	<0.8	<0.7	0.6	3.8	0.130	0.45	1.5	20	42
15678	MR1-12-226	166.00	168.00	5c	9.2	2.6	0.009	<0.8	<0.7	0.5	3.2	0.150	0.52	1.2	24	47
15679	MR1-12-226	168.00	170.00	5c	10	3.0	0.011	<0.8	<0.7	0.6	3.0	0.150	0.51	1.3	25	40
15680	MR1-12-226	170.00	172.00	5c	9.6	2.7	0.034	<0.8	<0.7	0.6	3.9	0.140	0.49	1.6	25	45
15681	MR1-12-226	172.00	174.00	5c	8.8	2.5	0.071	<0.8	<0.7	0.9	6.7	0.180	0.59	1.3	33	44
15682	MR1-12-226	174.00	176.00	5c	9.7	4.0	0.220	<0.8	<0.7	0.8	5.1	0.180	0.46	1.5	34	48
15683	MR1-12-226	176.00	178.00	5c	10	3.0	0.015	<0.8	<0.7	0.8	4.8	0.200	0.51	1.7	31	51
15684	MR1-12-226	178.00	180.00	5c	9.6	2.3	0.034	<0.8	<0.7	0.8	6.0	0.190	0.46	1.6	33	44
15685	MR1-12-226	180.00	182.00	5c	9.8	2.4	0.050	<0.8	<0.7	0.8	6.1	0.190	0.49	1.4	31	48
15686	MR1-12-226	182.00	184.00	5c	9.7	2.5	0.042	<0.8	<0.7	0.9	5.8	0.210	0.49	1.4	33	46
15687	MR1-12-226	184.00	186.00	5c	11	2.0	0.013	<0.8	<0.7	0.5	4.6	0.160	0.40	1.4	25	52
15688	MR1-12-226	186.00	188.00	5c	8.3	1.2	0.056	<0.8	<0.7	0.6	6.0	0.100	0.19	1.1	27	45
15689	MR1-12-226	188.00	190.00	5c	7.9	1.5	0.016	<0.8	<0.7	0.8	6.5	0.130	0.21	1.5	28	38
15690	MR1-12-226	190.00	192.00	5c	7.1	1.6	0.018	<0.8	<0.7	1.1	7.1	0.160	0.25	1.5	28	41
15691	MR1-12-226	192.00	194.00	5c	7.8	1.3	0.063	<0.8	<0.7	1.0	7.2	0.230	0.43	1.3	37	53
15692	MR1-12-226	194.00	196.00	5c	6.9	1.4	0.023	<0.8	<0.7	0.5	5.5	0.120	0.20	1.4	18	36
15693	MR1-12-226	196.00	197.80	5c	8.6	1.7	0.043	<0.8	<0.7	1.1	6.8	0.190	0.33	1.6	34	47
15694	MR1-12-226	197.80	199.52	5c	8.0	2.2	0.054	<0.8	<0.7	0.8	8.1	0.170	0.29	1.6	34	40
15695	MR1-12-226	199.52	201.20	4b	19	1.1	0.008	<0.8	<0.7	0.6	6.3	0.090	0.24	0.76	22	38
15696	MR1-12-226	201.20	203.00	5c	9.0	1.6	0.067	<0.8	<0.7	0.5	6.8	0.180	0.31	1.7	28	40
15697	MR1-12-226	203.00	205.00	5c	8.7	2.4	0.061	<0.8	<0.7	0.8	6.8	0.180	0.35	2.1	32	40
15698	MR1-12-226	205.00	207.00	5c	10	3.3	0.027	<0.8	<0.7	0.5	7.2	0.081	0.20	4.4	15	40
15699	MR1-12-226	207.00	209.00	5c	8.7	4.0	0.076	<0.8	<0.7	0.6	6.2	0.140	0.33	3.1	22	41
15700	MR1-12-226	209.00	211.00	5c	9.5	5.5	0.024	<0.8	<0.7	0.8	6.7	0.240	0.56	1.4	31	46
15837	MR1-12-226	211.00	213.00	5c	7.4	4.1	0.038	<0.8	<0.7	1.3	5.4	0.240	0.45	1.1	39	44
15838	MR1-12-226	213.00	215.30	5c	6.9	2.1	0.043	<0.8	<0.7	0.9	3.9	0.210	0.38	1.0	36	40
15839	MR1-12-226	215.30	217.50	5c	8.1	2.3	0.029	<0.8	<0.7	1.2	5.6	0.260	0.49	1.2	42	55
15840	MR1-12-226	217.50	219.89	5c	10	2.9	0.039	<0.8	<0.7	1.2	6.5	0.260	0.52	1.3	42	50
15841	MR1-12-226	219.89	222.28	5c	17	0.97	0.004	<0.8	<0.7	0.6	2.6	0.120	0.40	1.2	24	34
15842	MR1-12-226	222.28	224.00	5c	8.2	1.4	0.015	<0.8	<0.7	0.9	3.6	0.240	0.51	1.0	33	45
15843	MR1-12-226	224.00	226.00	5c	9.5	1.7	0.110	<0.8	<0.7	0.9	2.8	0.240	0.61	2.0	28	54
15844	MR1-12-226	226.00	228.30	5c	9.7	7.8	0.075	<0.8	<0.7	1.2	6.7	0.240	0.58	1.5	40	64
15845	MR1-12-226	228.30	230.30	3	26	1.5	0.033	<0.8	<0.7	2.2	6.5	0.230	0.37	1.0	110	61
15846	MR1-12-226	230.30	232.30	3	37	30	0.250	<0.8	<0.7	3.3	9.1	0.190	0.49	1.6	79	160
15847	MR1-12-226	232.30	234.30	3	79	14	0.140	<0.8	<0.7	<0.5	23	0.110	0.22	0.13	84	25
15848	MR1-12-226	234.30	236.35	3	79	15	0.120	<0.8	<0.7	0.9	10	0.200	0.38	0.36	130	59
15849	MR1-12-226	236.35	237.57	3	69	7.8	0.047	<0.8	<0.7	2.6	15	0.220	0.85	1.6	59	120
15850	MR1-12-226	237.57	240.40	3	12	7.7	0.092	<0.8	<0.7	1.1	17	0.270	0.84	1.9	37	68
15851	MR1-12-226	240.40	242.40	3	21	8.5	0.120	<0.8	<0.7	1.1	29	0.260	0.95	1.4	53	69
15852	MR1-12-226	242.40	244.40	3	37	10	0.100	<0.8	<0.7	2.3	19	0.250	0.82	2.1	64	94
15853	MR1-12-226	244.40	246.40	3	22	1.8	0.036	<0.8	<0.7	1.7	9.9	0.250	0.71	1.1	63	56
15854	MR1-12-226	246.40	248.40	3	20	3.4	0.039	<0.8	<0.7	1.8	14	0.280	0.81	1.3	64	64
15855	MR1-12-226	248.40	250.40	3	18	2.9	0.076	<0.8	<0.7	1.7	14	0.230	0.50	1.3	48	58
15856	MR1-12-226	250.40	252.20	3	27	73	0.087	<0.8	<0.7	2.5	21	0.290	0.86	0.91	90	360
15857	MR1-12-226	252.20	254.00	3	20	84	0.140	<0.8	<0.7	1.9	18	0.240	0.68	0.83	63	210
15858	MR1-12-226	254.00	255.80	3	19	13	0.039	<0.8	<0.7	1.7	17	0.210	0.73	1.8	39	120
15859	MR1-12-226	255.80	258.00	5a	11	8.8	0.036	<0.8	<0.7	2.3	16	0.270	0.82	1.9	37	63
15860	MR1-12-226	258.00	260.00	5a	8.8	5.5	0.024	<0.8	<0.7	1.8	13	0.270	0.87	1.5	38	55
15861	MR1-12-226	260.00	262.00	5a	15	6.1	0.067	<0.8	<0.7	1.7	13	0.230	0.98	1.7	38	76
15862	MR1-12-226	262.00	264.00	5a	12	16	0.150	<0.8	<0.7	1.9	16	0.260	0.95	2.0	35	94
15863	MR1-12-226	264.00	266.00	5a	14	7.6	0.045	<0.8	<0.7	1.4	15	0.260	1.0	1.9	40	63
15864	MR1-12-226	266.00	268.00	5a	10	4.6	0.042	<0.8	<0.7	2.2	11	0.270	1.1	1.7	38	51
15865	MR1-12-226	268.00	270.00	5a	9.8	5.2	0.044	<0.8	<0.7	2.8	11	0.200	0.90	1.9	25	98
15866	MR1-12-226	270.00	271.70	5a	25	12	0.100	<0.8	<0.7	6.9	12	0.220	0.81	2.2	53	320
15867	MR1-12-226	271.70	274.00	4bc	44	9.9	0.039	<0.8	<0.7	2.2	15	0.140	0.54	6.4	59	79
15868	MR1-12-226	274.00	275.10	4bc	75	5.1	0.110	<0.8	<0.7	0.9	10	0.220	1.1	2.2	74	76

Table 2 - Elemental Analysis Results

Sample ID	Borehole ID	From	To	Rock Code	Ni µg/g	Pb µg/g	S %	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti %	Tl µg/g	U µg/g	V µg/g	Zn µg/g
15869	MR1-12-226	275.10	277.14	4bc	10	5.2	0.002	<0.8	<0.7	1.1	2.5	0.018	0.16	11	7	17
15870	MR1-12-226	277.14	278.90	4bc	44	2.2	0.086	<0.8	<0.7	0.5	5.1	0.200	0.70	1.0	140	50
15871	MR1-12-226	278.90	281.45	4bc	2.7	19	0.024	<0.8	<0.7	2.7	2.9	0.020	0.11	17	9	22
15872	MR1-12-226	281.45	283.65	4bc	17	3.0	0.008	<0.8	<0.7	0.6	4.1	0.160	0.50	0.84	38	79
15873	MR1-12-226	283.65	285.85	4bc	14	5.4	0.017	<0.8	<0.7	0.9	11	0.190	0.64	1.4	47	51
15874	MR1-12-226	285.85	287.50	4bc	12	3.1	0.030	<0.8	<0.7	1.1	8.3	0.200	0.50	1.4	43	62
15875	MR1-12-226	287.50	289.14	4bc	10	6.2	0.210	<0.8	<0.7	2.1	8.8	0.200	0.51	1.5	39	99

Table 3 - Net Acid Generation Results

Sample ID	Borehole ID	From	To	Rock Code	Final pH units	NaOH Normality	Vol NaOH to PH 4.5 mL	Vol NaOH to PH 7.0 mL	NAG (pH 4.5) kg H ₂ SO ₄ /tonne	NAG (pH 7.0) kg H ₂ SO ₄ /tonne
4905	MR1-12-222	134.2	136.2	4acb	8.19	0.10	-	-	-	-
4909	MR1-12-222	142.2	144.2	4acb	7.95	0.10	-	-	-	-
4910	MR1-12-222	144.2	146.4	4acb	7.62	0.10	-	-	-	-
4912	MR1-12-222	148.4	150.4	4a	4.14	0.10	0.19	1.20	0.6	4.0
4913	MR1-12-222	150.4	152.4	4a	4.89	0.10	-	0.59	-	2.0
4915	MR1-12-222	154.4	156.4	4a	3.74	0.10	0.53	1.45	1.7	4.7
4918	MR1-12-222	160.4	162.4	4a	7.70	0.10	-	-	-	-
4921	MR1-12-222	166.2	168.0	4a	4.83	0.10	-	0.64	-	2.1
4924	MR1-12-222	171.6	173.3	4a	7.88	0.10	-	-	-	-
4926	MR1-12-222	175.3	177.3	9a	2.83	0.10	2.05	2.74	6.8	9.1
4927	MR1-12-222	177.3	179.3	9a	2.88	0.10	2.20	2.42	7.2	7.9
4929	MR1-12-222	181.3	183.3	9d	2.11	0.10	14.47	15.75	46	50
4931	MR1-12-222	185.3	187.3	9d	1.95	0.50	4.80	5.20	78	84
4932	MR1-12-222	187.3	189.3	9d	9.02	0.10	-	-	-	-
4936	MR1-12-222	194.7	196.3	9d	7.16	0.10	-	-	-	-
4937	MR1-12-222	196.3	198.3	9d	7.10	0.10	-	-	-	-
4941	MR1-12-222	204.3	206.3	4ac	7.95	0.10	-	-	-	-
4957	MR1-12-222	236.8	238.8	4acb	7.91	0.10	-	-	-	-
4962	MR1-12-222	246.8	248.8	4acb	7.96	0.10	-	-	-	-
4964	MR1-12-222	250.8	252.8	4acb	7.92	0.10	-	-	-	-
4966	MR1-12-222	254.8	256.8	4acb	7.70	0.10	-	-	-	-
4995	MR1-12-223	20.96	22.60	5c	8.00	0.10	-	-	-	-
4997	MR1-12-223	24.60	26.50	5c	6.85	0.10	-	0.11	-	0.4
5000	MR1-12-223	30.05	32.45	4a	7.13	0.10	-	-	-	-
15402	MR1-12-223	34.85	36.65	5c	6.62	0.10	-	0.11	-	0.4
15404	MR1-12-223	38.40	40.10	5c	6.65	0.10	-	0.21	-	0.7
15406	MR1-12-223	42.10	44.10	4ab	7.28	0.10	-	-	-	-
15408	MR1-12-223	46.10	48.10	4ab	6.63	0.10	-	0.12	-	0.4
15411	MR1-12-223	52.10	54.10	4ab	6.53	0.10	-	0.08	-	0.3
15413	MR1-12-223	56.10	58.00	4ab	3.61	0.10	0.60	1.35	2.0	4.5
15414	MR1-12-223	58.00	59.70	4ab	3.77	0.10	0.49	1.20	1.6	4.0
15418	MR1-12-223	65.40	67.18	4d	3.99	0.10	0.28	0.91	0.9	3.0
15419	MR1-12-223	67.18	69.28	5c	7.23	0.10	-	-	-	-
15421	MR1-12-223	71.42	73.40	4b	6.23	0.10	-	0.16	-	0.5
15425	MR1-12-223	79.40	81.40	4b	6.04	0.10	-	0.23	-	0.7
15426	MR1-12-223	81.40	83.40	4b	7.29	0.10	-	-	-	-
15429	MR1-12-223	87.40	89.20	4b	7.35	0.10	-	-	-	-
15430	MR1-12-223	89.20	91.00	4b	4.18	0.10	0.11	0.38	0.4	1.2
15434	MR1-12-223	96.60	98.60	5c	4.53	0.10	-	0.30	-	1.0
15435	MR1-12-223	98.60	100.60	5c	4.20	0.10	0.08	0.32	0.3	1.1
15438	MR1-12-223	104.60	106.60	5c	6.82	0.10	-	0.19	-	0.6
15439	MR1-12-223	106.60	108.40	5c	7.05	0.10	-	-	-	-
15442	MR1-12-223	112.05	114.10	5c	6.88	0.10	-	0.35	-	1.1
15445	MR1-12-223	118.10	120.10	5c	7.39	0.10	-	-	-	-
15446	MR1-12-223	120.10	122.10	5c	4.33	0.10	0.10	0.41	0.3	1.3
15448	MR1-12-223	124.10	126.20	5c	3.61	0.10	0.46	1.15	1.5	3.7
15451	MR1-12-223	130.40	132.46	5c	5.66	0.10	-	0.25	-	0.8
15453	MR1-12-223	134.20	136.00	4d	3.14	0.10	1.69	3.04	5.5	9.9
15454	MR1-12-223	136.00	137.76	4d	7.39	0.10	-	-	-	-
15455	MR1-12-223	137.76	139.70	4b	3.50	0.10	0.71	1.66	2.3	5.4
15456	MR1-12-223	139.70	141.60	4b	7.45	0.10	-	-	-	-
15459	MR1-12-223	145.40	147.30	4b	7.42	0.10	-	-	-	-
15461	MR1-12-223	149.20	151.00	4b	5.81	0.10	-	0.38	-	1.2
15463	MR1-12-223	153.00	155.00	4b	6.59	0.10	-	0.25	-	0.8
15465	MR1-12-223	157.00	159.00	4b	2.98	0.10	2.29	3.46	7.4	11
15467	MR1-12-223	161.00	163.00	4b	6.44	0.10	-	0.25	-	0.8
15469	MR1-12-223	165.00	167.00	4b	7.16	0.10	-	-	-	-
15471	MR1-12-223	169.00	170.80	4b	7.63	0.10	-	-	-	-
15472	MR1-12-223	170.80	172.90	4b	7.39	0.10	-	-	-	-
15473	MR1-12-223	172.90	175.00	4b	6.83	0.10	-	0.07	-	0.2
4989	MR1-12-223a	11.40	13.50	4ab	7.15	0.10	-	-	-	-
4992	MR1-12-223a	17.70	19.90	4ab	7.60	0.10	-	-	-	-
4994	MR1-12-223a	21.40	23.00	5c	7.30	0.10	-	-	-	-
15479	MR1-12-224	21.23	23.40	4ca	7.88	0.10	-	-	-	-
15480	MR1-12-224	23.40	25.50	4ca	8.16	0.10	-	-	-	-
15482	MR1-12-224	27.50	29.50	5a	7.89	0.10	-	-	-	-
15484	MR1-12-224	31.30	33.10	5a	8.17	0.10	-	-	-	-
15487	MR1-12-224	36.70	38.77	5a	8.02	0.10	-	-	-	-
15490	MR1-12-224	42.77	44.77	5c	7.76	0.10	-	-	-	-
15492	MR1-12-224	46.77	48.77	5c	7.89	0.10	-	-	-	-
15493	MR1-12-224	48.77	50.77	5c	7.97	0.10	-	-	-	-
15497	MR1-12-224	56.77	58.67	5c	8.24	0.10	-	-	-	-
15498	MR1-12-224	58.67	60.57	5c	8.00	0.10	-	-	-	-
15499	MR1-12-224	60.57	62.50	5c	7.94	0.10	-	-	-	-
15503	MR1-12-224	67.60	69.31	5a	7.87	0.10	-	-	-	-
15506	MR1-12-224	73.31	75.11	4cb	7.88	0.10	-	-	-	-
15510	MR1-12-224	80.40	82.10	5a	7.18	0.10	-	-	-	-
15513	MR1-12-224	85.45	87.45	5a	7.03	0.10	-	-	-	-
15515	MR1-12-224	89.25	90.95	5ab	8.01	0.10	-	-	-	-
15517	MR1-12-224	92.79	94.79	4acb	10.19	0.10	-	-	-	-
15519	MR1-12-224	96.49	98.19	4acb	7.78	0.10	-	-	-	-
15522	MR1-12-224	101.59	103.41	4acb	10.92	0.10	-	-	-	-
15523	MR1-12-224	103.41	105.41	5a	10.70	0.10	-	-	-	-
15525	MR1-12-224	107.41	109.41	5a	10.35	0.10	-	-	-	-
15529	MR1-12-224	115.61	117.80	5a	10.80	0.10	-	-	-	-
15530	MR1-12-224	117.80	119.80	4bc	9.43	0.10	-	-	-	-
15533	MR1-12-224	123.39	125.39	11ab	7.96	0.10	-	-	-	-
15535	MR1-12-224	127.39	129.39	11ab	7.86	0.10	-	-	-	-
15536	MR1-12-224	129.39	131.39	11ab	7.89	0.10	-	-	-	-

Table 3 - Net Acid Generation Results

Sample ID	Borehole ID	From	To	Rock Code	Final pH units	NaOH Normality	Vol NaOH to PH 4.5 mL	Vol NaOH to PH 7.0 mL	NAG (pH 4.5) kg H ₂ SO ₄ /tonne	NAG (pH 7.0) kg H ₂ SO ₄ /tonne
15539	MR1-12-224	135.39	137.39	11ab	7.09	0.10	-	-	-	-
15542	MR1-12-224	141.39	143.09	11ab	7.32	0.10	-	-	-	-
15544	MR1-12-224	144.79	146.49	11ab	7.79	0.10	-	-	-	-
15546	MR1-12-224	148.19	149.89	11ab	7.72	0.10	-	-	-	-
15548	MR1-12-224	151.89	153.89	11ab	7.85	0.10	-	-	-	-
15550	MR1-12-224	155.89	157.89	11ab	8.18	0.10	-	-	-	-
15552	MR1-12-224	159.89	161.89	11ab	7.79	0.10	-	-	-	-
15554	MR1-12-224	163.69	165.26	11ab	7.91	0.10	-	-	-	-
15556	MR1-12-224	166.76	168.25	12a	10.42	0.10	-	-	-	-
15559	MR1-12-224	171.03	172.83	5a	7.84	0.10	-	-	-	-
15561	MR1-12-224	174.60	176.80	11a	7.84	0.10	-	-	-	-
15564	MR1-12-224	181.14	183.14	11a	7.93	0.10	-	-	-	-
15566	MR1-12-224	185.14	187.14	11a	9.06	0.10	-	-	-	-
15568	MR1-12-224	189.14	191.34	11a	7.46	0.10	-	-	-	-
15570	MR1-12-224	193.54	195.82	11a	7.74	0.10	-	-	-	-
15572	MR1-12-224	197.82	199.82	5a	8.58	0.10	-	-	-	-
15574	MR1-12-224	201.62	203.54	5a	10.88	0.10	-	-	-	-
15576	MR1-12-224	205.54	207.64	12a	9.21	0.10	-	-	-	-
15578	MR1-12-224	209.70	211.70	4cb	7.89	0.10	-	-	-	-
15580	MR1-12-224	213.70	215.62	4cb	7.97	0.10	-	-	-	-
15582	MR1-12-224	217.62	219.82	12a	7.74	0.10	-	-	-	-
15584	MR1-12-224	222.02	224.32	12a	8.25	0.10	-	-	-	-
15585	MR1-12-224	224.32	226.32	11ab	7.72	0.10	-	-	-	-
15587	MR1-12-224	228.32	229.92	11a	7.63	0.10	-	-	-	-
15591	MR1-12-224	234.02	236.22	11b	7.62	0.10	-	-	-	-
15593	MR1-12-224	238.42	240.71	11b	8.32	0.10	-	-	-	-
15595	MR1-12-224	242.71	244.71	5a	7.77	0.10	-	-	-	-
15596	MR1-12-224	244.71	246.71	5a	7.90	0.10	-	-	-	-
15597	MR1-12-224	246.71	248.55	5a	7.90	0.10	-	-	-	-
15598	MR1-12-224	248.55	250.55	11ab	10.61	0.10	-	-	-	-
15599	MR1-12-224	250.55	252.00	11ab	10.40	0.10	-	-	-	-
15702	MR1-12-225	14.00	16.00	5c	8.02	0.10	-	-	-	-
15703	MR1-12-225	16.00	18.00	5c	7.67	0.10	-	-	-	-
15706	MR1-12-225	22.00	24.00	5c	7.97	0.10	-	-	-	-
15709	MR1-12-225	28.00	30.00	5c	7.83	0.10	-	-	-	-
15711	MR1-12-225	32.00	34.00	5c	7.71	0.10	-	-	-	-
15713	MR1-12-225	36.00	38.00	5c	8.09	0.10	-	-	-	-
15715	MR1-12-225	40.00	42.00	5c	7.90	0.10	-	-	-	-
15717	MR1-12-225	44.00	45.70	5c	8.12	0.10	-	-	-	-
15719	MR1-12-225	47.40	49.10	4b	10.35	0.10	-	-	-	-
15721	MR1-12-225	51.00	53.00	4b	10.45	0.10	-	-	-	-
15723	MR1-12-225	55.30	57.50	4b	9.44	0.10	-	-	-	-
15725	MR1-12-225	59.70	62.11	4b	10.64	0.10	-	-	-	-
15726	MR1-12-225	62.11	64.00	5a	9.84	0.10	-	-	-	-
15729	MR1-12-225	68.00	70.00	5a	10.93	0.10	-	-	-	-
15731	MR1-12-225	72.00	74.00	5a	10.80	0.10	-	-	-	-
15733	MR1-12-225	76.00	78.00	5a	10.99	0.10	-	-	-	-
15735	MR1-12-225	80.00	82.00	5a	10.83	0.10	-	-	-	-
15738	MR1-12-225	86.00	88.00	5a	10.69	0.10	-	-	-	-
15739	MR1-12-225	88.00	90.00	5a	8.44	0.10	-	-	-	-
15742	MR1-12-225	94.00	96.00	5a	10.86	0.10	-	-	-	-
15743	MR1-12-225	96.00	98.00	5a	7.98	0.10	-	-	-	-
15746	MR1-12-225	102.08	105.35	4b	10.09	0.10	-	-	-	-
15749	MR1-12-225	109.00	111.00	5a	8.38	0.10	-	-	-	-
15751	MR1-12-225	113.00	115.00	5a	9.94	0.10	-	-	-	-
15752	MR1-12-225	115.00	117.00	5a	7.89	0.10	-	-	-	-
15755	MR1-12-225	121.00	123.00	5a	7.90	0.10	-	-	-	-
15757	MR1-12-225	124.74	126.80	11ba	7.92	0.10	-	-	-	-
15758	MR1-12-225	126.80	128.90	11ba	8.11	0.10	-	-	-	-
15760	MR1-12-225	131.00	133.00	11ba	7.98	0.10	-	-	-	-
15764	MR1-12-225	138.40	140.34	11ba	8.04	0.10	-	-	-	-
15766	MR1-12-225	142.37	144.30	11ba	8.08	0.10	-	-	-	-
15768	MR1-12-225	146.00	148.00	11ba	7.77	0.10	-	-	-	-
15769	MR1-12-225	148.00	150.00	11ba	7.83	0.10	-	-	-	-
15772	MR1-12-225	154.00	155.70	11ba	8.04	0.10	-	-	-	-
15774	MR1-12-225	157.50	159.80	5a	7.81	0.10	-	-	-	-
15776	MR1-12-225	162.06	164.00	11ba	8.13	0.10	-	-	-	-
15779	MR1-12-225	168.00	170.00	11ba	8.06	0.10	-	-	-	-
15780	MR1-12-225	170.00	172.00	11ba	8.81	0.10	-	-	-	-
15783	MR1-12-225	176.00	178.00	11ba	8.40	0.10	-	-	-	-
15785	MR1-12-225	180.00	182.00	11ba	7.96	0.10	-	-	-	-
15787	MR1-12-225	184.00	186.00	11ba	8.66	0.10	-	-	-	-
15789	MR1-12-225	188.00	190.00	11ba	7.44	0.10	-	-	-	-
15790	MR1-12-225	190.00	192.00	11ba	7.19	0.10	-	-	-	-
15793	MR1-12-225	196.00	198.00	11ba	8.21	0.10	-	-	-	-
15794	MR1-12-225	198.00	200.00	11ba	8.06	0.10	-	-	-	-
15796	MR1-12-225	202.00	204.00	11ba	10.20	0.10	-	-	-	-
15799	MR1-12-225	208.00	210.20	11ba	10.39	0.10	-	-	-	-
15800	MR1-12-225	210.20	212.40	11ba	10.61	0.10	-	-	-	-
15802	MR1-12-225	214.65	217.00	5a	10.57	0.10	-	-	-	-
15805	MR1-12-225	221.40	223.60	5a	10.83	0.10	-	-	-	-
15806	MR1-12-225	223.60	225.80	5a	9.23	0.10	-	-	-	-
15808	MR1-12-225	228.00	230.00	11a	7.65	0.10	-	-	-	-
15810	MR1-12-225	232.00	234.00	11a	9.46	0.10	-	-	-	-
15813	MR1-12-225	238.00	240.00	11a	7.34	0.10	-	-	-	-
15814	MR1-12-225	240.00	242.00	11a	7.75	0.10	-	-	-	-
15817	MR1-12-225	246.00	248.00	11a	7.41	0.10	-	-	-	-
15819	MR1-12-225	250.20	252.40	11a	7.33	0.10	-	-	-	-
15821	MR1-12-225	254.65	257.20	11a	8.33	0.10	-	-	-	-

Table 3 - Net Acid Generation Results

Sample ID	Borehole ID	From	To	Rock Code	Final pH units	NaOH Normality	Vol NaOH to PH 4.5 mL	Vol NaOH to PH 7.0 mL	NAG (pH 4.5) kg H ₂ SO ₄ /tonne	NAG (pH 7.0) kg H ₂ SO ₄ /tonne
15822	MR1-12-225	257.20	259.20	11a	7.56	0.10	-	-	-	-
15824	MR1-12-225	261.20	263.20	11a	7.33	0.10	-	-	-	-
15826	MR1-12-225	265.00	267.00	11a	10.48	0.10	-	-	-	-
15828	MR1-12-225	269.00	271.00	5a	10.64	0.10	-	-	-	-
15832	MR1-12-225	277.00	279.00	11a	7.82	0.10	-	-	-	-
15834	MR1-12-225	281.00	283.00	11a	9.52	0.10	-	-	-	-
15835	MR1-12-225	283.00	285.00	11a	7.75	0.10	-	-	-	-
15836	MR1-12-225	285.00	286.60	11a	9.00	0.10	-	-	-	-
15631	MR1-12-226	75.27	77.37	4ac	7.31	0.10	-	-	-	-
15632	MR1-12-226	77.37	79.65	4ac	7.22	0.10	-	-	-	-
15644	MR1-12-226	101.34	103.34	4a	7.73	0.10	-	-	-	-
15651	MR1-12-226	114.93	116.93	4acb	8.44	0.10	-	-	-	-
15653	MR1-12-226	118.93	120.72	4acb	8.70	0.10	-	-	-	-
15658	MR1-12-226	127.05	129.05	4acb	8.26	0.10	-	-	-	-
15661	MR1-12-226	132.95	134.75	4acb	8.39	0.10	-	-	-	-
15664	MR1-12-226	138.44	140.44	5a	7.68	0.10	-	-	-	-
15665	MR1-12-226	140.44	142.44	5c	7.69	0.10	-	-	-	-
15669	MR1-12-226	148.00	150.00	5c	6.86	0.10	-	-	-	-
15670	MR1-12-226	150.00	152.00	5c	7.80	0.10	-	-	-	-
15674	MR1-12-226	158.00	160.00	5c	7.72	0.10	-	-	-	-
15678	MR1-12-226	166.00	168.00	5c	7.81	0.10	-	-	-	-
15679	MR1-12-226	168.00	170.00	5c	7.74	0.10	-	-	-	-
15681	MR1-12-226	172.00	174.00	5c	7.59	0.10	-	-	-	-
15683	MR1-12-226	176.00	178.00	5c	7.73	0.10	-	-	-	-
15685	MR1-12-226	180.00	182.00	5c	7.69	0.10	-	-	-	-
15688	MR1-12-226	186.00	188.00	5c	8.98	0.10	-	-	-	-
15691	MR1-12-226	192.00	194.00	5c	8.00	0.10	-	-	-	-
15692	MR1-12-226	194.00	196.00	5c	7.90	0.10	-	-	-	-
15695	MR1-12-226	199.52	201.20	4b	7.91	0.10	-	-	-	-
15696	MR1-12-226	201.20	203.00	5c	7.86	0.10	-	-	-	-
15700	MR1-12-226	209.00	211.00	5c	7.87	0.10	-	-	-	-
15837	MR1-12-226	211.00	213.00	5c	10.39	0.10	-	-	-	-
15840	MR1-12-226	217.50	219.89	5c	7.78	0.10	-	-	-	-
15841	MR1-12-226	219.89	222.28	5c	7.55	0.10	-	-	-	-
15844	MR1-12-226	226.00	228.30	5c	7.04	0.10	-	-	-	-
15845	MR1-12-226	228.30	230.30	3	9.49	0.10	-	-	-	-
15847	MR1-12-226	232.30	234.30	3	7.28	0.10	-	-	-	-
15850	MR1-12-226	237.57	240.40	3	10.11	0.10	-	-	-	-
15852	MR1-12-226	242.40	244.40	3	9.99	0.10	-	-	-	-
15854	MR1-12-226	246.40	248.40	3	7.99	0.10	-	-	-	-
15856	MR1-12-226	250.40	252.20	3	10.05	0.10	-	-	-	-
15858	MR1-12-226	254.00	255.80	3	8.56	0.10	-	-	-	-
15860	MR1-12-226	258.00	260.00	5a	7.91	0.10	-	-	-	-
15862	MR1-12-226	262.00	264.00	5a	10.28	0.10	-	-	-	-
15864	MR1-12-226	266.00	268.00	5a	7.52	0.10	-	-	-	-
15867	MR1-12-226	271.70	274.00	4bc	8.77	0.10	-	-	-	-
15869	MR1-12-226	275.10	277.14	4bc	6.90	0.10	-	0.11	-	0.4
15871	MR1-12-226	278.90	281.45	4bc	7.82	0.10	-	-	-	-
15872	MR1-12-226	281.45	283.65	4bc	7.21	0.10	-	-	-	-
15873	MR1-12-226	283.65	285.85	4bc	7.27	0.10	-	-	-	-
15874	MR1-12-226	285.85	287.50	4bc	7.61	0.10	-	-	-	-
15875	MR1-12-226	287.50	289.14	4bc	6.45	0.10	-	0.15	-	0.5

Table 4 - Sequential Net Acid Generation

Sample ID	Stage	Vol H ₂ O ₂ mL	Final pH units	NaOH Normality	Vol NaOH to PH 4.5 mL	Vol NaOH to PH 7.0 mL	NAG (pH 4.5) kg H ₂ SO ₄ /tonne	NAG (pH 7.0) kg H ₂ SO ₄ /tonne
4929	1	150	2.19	0.10	13.09	14.13	43	47
4929	2	150	3.35	0.10	0.67	1.19	2.2	3.9
4931	1	150	2.02	0.50	4.40	5.00	73	83
4931	2	150	2.57	0.10	3.59	4.12	12	14
4932	1	150	8.43	0.10	0.00	0.00	0.0	0.0
4932	2	150	8.83	0.10	0.00	0.00	0.0	0.0

Analyte	Unit	Wk#0 8/Jun/11	Wk#1 15/Jun/11	Wk#2 22/Jun/11	Wk#3 29-Jun-11	Wk#4 6/Jul/11	Wk#5 13-Jul-11	Wk#6 20-Jul-11	Wk#7 27-Jul-11	Wk#8 3/Aug/11	Wk# 9 10/Aug/11	Wk#10 17/Aug/11	Wk#11 24/Aug/11	Wk#12 31/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	623	937	985	971	985	987	987	996	977	986	990	993	974
pH	no unit	7.95	7.26	7.22	7.25	7.27	6.92	6.97	7.08	7.17	7.24	7.21	7.09	7.22
Alkalinity	mg/kg/wk as CaCO ₃	6.9	8.4	9.9	8.7	8.9	7.9	7.9	8.0	6.8	7.9	7.9	7.0	7.8
Acidity	mg/kg/wk as CaCO ₃	1.2	1.9	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Conductivity	uS/cm	40	49	39	40	28	25	26	27	22	24	23	21	25
Sulphate	mg/kg/wk	3.1	8.8	6.3	4.1	3.3	2.9	2.5	2.5	2.1	2.3	2.1	2.0	1.9
Silver	mg/kg/wk	0.000025	0.000094	0.000010	0.000010	0.000010	0.000010	-	0.000010	-	0.000010	-	0.000010	-
Aluminum	mg/kg/wk	0.012	0.028	0.010	0.029	0.010	0.010	-	0.030	-	0.030	-	0.040	-
Arsenic	mg/kg/wk	0.00012	0.00028	0.00030	0.00029	0.00020	0.00039	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.00038	0.00089	0.0011	0.00072	0.00076	0.00074	-	0.00071	-	0.0017	-	0.00069	-
Beryllium	mg/kg/wk	0.000012	0.000019	0.000020	0.000019	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0038	0.015	0.027	0.0085	0.0070	0.0079	-	0.0035	-	0.0038	-	0.0027	-
Bismuth	mg/kg/wk	0.0000062	0.000094	0.000099	0.000097	0.000099	0.000099	-	0.000010	-	0.000099	-	0.000099	-
Calcium	mg/kg/wk	1.7	3.7	3.5	3.1	3.5	3.5	-	3.1	-	3.3	-	3.1	-
Cadmium	mg/kg/wk	0.000011	0.000056	0.000030	0.000087	0.000030	0.000030	-	0.000030	-	0.000030	-	0.000027	-
Cobalt	mg/kg/wk	0.000057	0.000084	0.000056	0.00010	0.00061	0.00064	-	0.000033	-	0.000031	-	0.000046	-
Chromium	mg/kg/wk	0.00031	0.00047	0.00049	0.00049	0.00049	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	0.00031	0.00056	0.00049	0.00049	0.00049	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Iron	mg/kg/wk	0.0025	0.0019	0.0020	0.0019	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Potassium	mg/kg/wk	0.98	2.1	1.9	1.5	1.6	1.4	-	1.1	-	1.1	-	1.1	-
Lithium	mg/kg/wk	0.00062	0.0028	0.0030	0.0019	0.0020	0.0020	-	0.0010	-	0.00099	-	0.00099	-
Magnesium	mg/kg/wk	0.10	0.30	0.26	0.21	0.22	0.21	-	0.18	-	0.17	-	0.15	-
Manganese	mg/kg/wk	0.0061	0.011	0.011	0.016	0.0090	0.0097	-	0.010	-	0.0099	-	0.0081	-
Molybdenum	mg/kg/wk	0.00072	0.0021	0.0016	0.00077	0.00064	0.00045	-	0.00067	-	0.00024	-	0.00023	-
Sodium	mg/kg/wk	1.4	3.1	2.0	1.1	0.82	0.59	-	0.33	-	0.24	-	0.19	-
Nickel	mg/kg/wk	0.000062	0.00037	0.000099	0.00019	0.00020	0.000099	-	0.00010	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	0.0056	0.0084	0.0087	0.0089	0.0089	0.011	-	0.0090	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	0.00012	0.00016	0.000069	0.00012	0.000020	0.000030	-	0.000020	-	0.000069	-	0.000070	-
Antimony	mg/kg/wk	0.00019	0.00037	0.00039	0.00039	0.00049	0.00059	-	0.00020	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	0.00062	0.00094	0.00099	0.00097	0.00099	0.00099	-	0.0010	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	0.28	0.62	0.61	0.54	0.60	0.60	-	0.51	-	0.46	-	0.44	-
Tin	mg/kg/wk	0.00024	0.00053	0.00041	0.00040	0.00039	0.00046	-	0.00065	-	0.00048	-	0.00066	-
Strontium	mg/kg/wk	0.0077	0.021	0.019	0.016	0.017	0.016	-	0.014	-	0.014	-	0.013	-
Titanium	mg/kg/wk	0.00012	0.000094	0.00010	0.00010	0.00010	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Thallium	mg/kg/wk	0.000012	0.000019	0.000020	0.000019	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.0012	0.062	0.059	0.046	0.042	0.041	-	0.035	-	0.030	-	0.024	-
Vanadium	mg/kg/wk	0.00016	0.00028	0.00034	0.00029	0.00030	0.00027	-	0.00026	-	0.00023	-	0.00025	-
Tungsten	mg/kg/wk	0.00024	0.0011	0.0011	0.00088	0.00071	0.00046	-	0.00021	-	0.00049	-	0.000089	-
Yttrium	mg/kg/wk	0.000074	0.00024	0.00011	0.00043	0.000027	0.000019	-	0.000016	-	0.000018	-	0.000012	-
Zinc	mg/kg/wk	0.0012	0.0019	0.0020	0.0019	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 07-Sep-11	Wk#14 14-Sep-11	Wk#15 21-Sep-11	Wk#16 28-Sep-11	Wk#17 05-Oct-11	Wk#18 12-Oct-11	Wk#19 19-Oct-11	Wk#20 26-Oct-11	Wk#21 02-Nov-11	Wk#22 09-Nov-11	Wk#23 16-Nov-11	Wk#24 23-Nov-11	Wk#25 30-Nov-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	989	992	989	986	994	989	985	984	987	987	990	927	983
pH	no unit	7.32	6.99	6.7	7.1	7.1	7.07	6.94	7.07	6.72	7.12	6.65	6.78	7.17
Alkalinity	mg/kg/wk as CaCO ₃	7.9	8.9	6.9	6.9	7.0	13.8	7.9	7.9	6.9	6.9	6.9	7.4	6.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0
Conductivity	uS/cm	22	23	22	17	17	22	21	25	22	22	16	25	4
Sulphate	mg/kg/wk	2.0	1.9	1.8	1.7	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.6
Silver	mg/kg/wk	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Aluminum	mg/kg/wk	0.030	-	0.030	-	0.030	-	0.020	-	0.039	-	0.030	-	0.029
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00059	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.00071	-	0.00078	-	0.00072	-	0.00088	-	0.00074	-	0.00075	-	0.00086
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0019	-	0.0018	-	0.0015	-	0.0011	-	0.0014	-	0.0020	-	0.0015
Bismuth	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098
Calcium	mg/kg/wk	2.9	-	3.1	-	3.0	-	3.1	-	3.2	-	3.0	-	3.2
Cadmium	mg/kg/wk	0.000030	-	0.000003	-	0.000030	-	0.000039	-	0.000030	-	0.000030	-	0.000029
Cobalt	mg/kg/wk	0.000017	-	0.000029	-	0.000019	-	0.000043	-	0.000013	-	0.000014	-	0.000022
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00049
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00049
Iron	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0030	-	0.0030	-	0.0030	-	0.0029
Potassium	mg/kg/wk	1.0	-	1.0	-	0.93	-	0.89	-	0.92	-	0.85	-	0.93
Lithium	mg/kg/wk	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098
Magnesium	mg/kg/wk	0.13	-	0.19	-	0.11	-	0.10	-	0.10	-	0.090	-	0.092
Manganese	mg/kg/wk	0.0089	-	0.010	-	0.0080	-	0.0091	-	0.0084	-	0.0074	-	0.0080
Molybdenum	mg/kg/wk	0.0036	-	0.00012	-	0.000040	-	0.0021	-	0.000079	-	0.00010	-	0.00044
Sodium	mg/kg/wk	0.15	-	0.13	-	0.11	-	0.10	-	0.10	-	0.10	-	0.088
Nickel	mg/kg/wk	0.000099	-	0.000198	-	0.000099	-	0.00020	-	0.00020	-	0.000099	-	0.000098
Phosphorus	mg/kg/wk	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0088
Lead	mg/kg/wk	0.000079	-	0.00016	-	0.000030	-	0.000030	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098
Silicon	mg/kg/wk	0.44	-	0.45	-	0.39	-	0.40	-	0.42	-	0.40	-	0.46
Tin	mg/kg/wk	0.00069	-	0.00070	-	0.00064	-	0.00074	-	0.00070	-	0.00084	-	0.00081
Strontium	mg/kg/wk	0.012	-	0.011	-	0.011	-	0.011	-	0.011	-	0.010	-	0.011
Titanium	mg/kg/wk	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Thallium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000040	-	0.000020
Uranium	mg/kg/wk	0.020	-	0.018	-	0.015	-	0.016	-	0.015	-	0.014	-	0.012
Vanadium	mg/kg/wk	0.00022	-	0.00023	-	0.00019	-	0.00019	-	0.00018	-	0.00020	-	0.00018
Tungsten	mg/kg/wk	0.000049	-	0.000079	-	0.000030	-	0.000039	-	0.000030	-	0.000059	-	0.000069
Yttrium	mg/kg/wk	0.000012	-	0.000012	-	0.000013	-	0.000014	-	0.000010	-	0.000011	-	0.000018
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#26 07-Dec-11	Wk#27 14-Dec-11	Wk#28 21-Dec-11	Wk#29 29-Dec-11	Wk#30 04-Jan-12	Wk#31 11-Jan-12	Wk#32 18-Jan-12	Wk#33 25-Jan-12	Wk#34 01-Feb-12	Wk#35 08-Feb-12	Wk#36 15-Feb-12	Wk#37 22-Feb-12	Wk#38 29-Feb-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	983	984	988	922	985	981	974	969	980	986	981	989	980
pH	no unit	7.08	6.95	7.02	6.97	7.11	7.07	6.97	6.96	7	6.99	6.06	7.11	7.05
Alkalinity	mg/kg/wk as CaCO ₃	7.9	6.9	6.9	5.5	5.9	5.9	5.8	5.8	5.9	5.9	3.9	6.9	5.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	1.8	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	16	20	19	15	4	16	19	15	19	4	2	4	32
Sulphate	mg/kg/wk	1.7	1.6	1.5	1.5	1.4	1.5	1.6	1.6	1.6	1.8	1.7	1.6	1.7
Silver	mg/kg/wk	-	0.000010	-	0.0000092	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-
Aluminum	mg/kg/wk	-	0.020	-	0.028	-	0.029	-	0.030	-	0.030	-	0.030	-
Arsenic	mg/kg/wk	-	0.00030	-	0.00018	-	0.00020	-	0.00019	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.00083	-	0.00065	-	0.00079	-	0.00073	-	0.00075	-	0.0011	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000018	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.00020	-	0.0011	-	0.0010	-	0.00039	-	0.00020	-	0.00089	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000092	-	0.0000098	-	0.0000097	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	-	3.1	-	2.6	-	2.8	-	3.0	-	3.0	-	2.9	-
Cadmium	mg/kg/wk	-	0.0000030	-	0.000035	-	0.0000029	-	0.000003	-	0.0000030	-	0.000032	-
Cobalt	mg/kg/wk	-	0.000015	-	0.000014	-	0.000040	-	0.000009	-	0.000014	-	0.000032	-
Chromium	mg/kg/wk	-	0.00049	-	0.00046	-	0.00049	-	0.00048	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00049	-	0.00046	-	0.00049	-	0.00048	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.0030	-	0.0028	-	0.0029	-	0.0029	-	0.0030	-	0.0030	-
Potassium	mg/kg/wk	-	0.85	-	0.67	-	0.77	-	0.74	-	0.70	-	0.70	-
Lithium	mg/kg/wk	-	0.00098	-	0.00092	-	0.00098	-	0.00097	-	0.00099	-	0.00099	-
Magnesium	mg/kg/wk	-	0.079	-	0.058	-	0.066	-	0.061	-	0.065	-	0.056	-
Manganese	mg/kg/wk	-	0.0077	-	0.0059	-	0.0070	-	0.0062	-	0.0066	-	0.0061	-
Molybdenum	mg/kg/wk	-	0.000069	-	0.000065	-	0.000059	-	0.000048	-	0.00016	-	0.00011	-
Sodium	mg/kg/wk	-	0.059	-	0.065	-	0.059	-	0.058	-	0.059	-	0.059	-
Nickel	mg/kg/wk	-	0.000098	-	0.000092	-	0.00029	-	0.000097	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	-	0.0089	-	0.0083	-	0.0088	-	0.011	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	-	0.000020	-	0.000018	-	0.000020	-	0.000019	-	0.000069	-	0.000020	-
Antimony	mg/kg/wk	-	0.00020	-	0.00018	-	0.00020	-	0.00019	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	-	0.00098	-	0.00092	-	0.00098	-	0.00097	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	-	0.39	-	0.30	-	0.37	-	0.34	-	0.34	-	0.35	-
Tin	mg/kg/wk	-	0.00081	-	0.00087	-	0.00079	-	0.00089	-	0.0011	-	0.00083	-
Strontium	mg/kg/wk	-	0.010	-	0.0080	-	0.0084	-	0.0081	-	0.008	-	0.0079	-
Titanium	mg/kg/wk	-	0.00010	-	0.000092	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Thallium	mg/kg/wk	-	0.000020	-	0.000018	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.013	-	0.010	-	0.0094	-	0.0094	-	0.0065	-	0.0084	-
Vanadium	mg/kg/wk	-	0.00018	-	0.00014	-	0.00015	-	0.00015	-	0.00015	-	0.00017	-
Tungsten	mg/kg/wk	-	0.000039	-	0.000037	-	0.000029	-	0.000039	-	0.010	-	0.000079	-
Yttrium	mg/kg/wk	-	0.000014	-	0.000011	-	0.000011	-	0.000010	-	0.0000079	-	0.000011	-
Zinc	mg/kg/wk	-	0.0020	-	0.0018	-	0.0020	-	0.0019	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#39 07-Mar-12	Wk#40 14-Mar-12	Wk#41 21-Mar-12	Wk#42 28-Mar-12	Wk#43 04-Apr-12	Wk#44 11-Apr-12	Wk#45 18-Apr-12	Wk#46 25-Apr-12	Wk#47 02-May-12	Wk#48 09-May-12	Wk#49 16-May-12	Wk#50 23-May-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	986	980	986	989	980	985	986	989	987	988	976	988
pH	no unit	7	7	6.96	7	7.05	7.05	7.03	7.14	7.14	6.85	7.04	6.83
Alkalinity	mg/kg/wk as CaCO ₃	5.9	5.9	5.9	11.9	6.9	5.9	5.9	5.9	5.9	6.9	4.9	5.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	15	28	20	22	18	18	19	18	20	25	21	19
Sulphate	mg/kg/wk	1.6	1.8	1.9	1.6	1.7	1.6	1.6	1.7	1.7	1.7	1.5	1.8
Silver	mg/kg/wk	0.000010	-	-	0.000010	-	0.000010	0.000010	-	0.000010	-	0.000010	-
Aluminum	mg/kg/wk	0.030	-	-	0.049	-	0.030	0.020	-	0.030	-	0.039	-
Arsenic	mg/kg/wk	0.00030	-	-	0.00059	-	0.00020	0.00049	-	0.00217	-	0.00020	-
Barium	mg/kg/wk	0.00063	-	-	0.00067	-	0.00098	0.00073	-	0.00076	-	0.0020	-
Beryllium	mg/kg/wk	0.000020	-	-	0.000020	-	0.000020	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0010	-	-	0.00040	-	0.00039	0.0071	-	0.00049	-	0.00029	-
Bismuth	mg/kg/wk	0.000099	-	-	0.000099	-	0.000099	0.000099	-	0.000099	-	0.000098	-
Calcium	mg/kg/wk	2.8	-	-	2.8	-	2.9	2.8	-	3.0	-	2.5	-
Cadmium	mg/kg/wk	0.000039	-	-	0.000030	-	0.000030	0.000030	-	0.000030	-	0.000029	-
Cobalt	mg/kg/wk	0.000089	-	-	0.000038	-	0.00009	0.00021	-	0.000013	-	0.000068	-
Chromium	mg/kg/wk	0.00049	-	-	0.00049	-	0.00049	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	0.00049	-	-	0.00049	-	0.00049	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	0.0030	-	-	0.0030	-	0.0030	0.0030	-	0.0030	-	0.0029	-
Potassium	mg/kg/wk	0.67	-	-	0.60	-	0.64	0.57	-	0.67	-	0.58	-
Lithium	mg/kg/wk	0.00099	-	-	0.00099	-	0.00099	0.00099	-	0.00099	-	0.00098	-
Magnesium	mg/kg/wk	0.055	-	-	0.053	-	0.051	0.047	-	0.050	-	0.041	-
Manganese	mg/kg/wk	0.0052	-	-	0.0054	-	0.0058	0.0054	-	0.0057	-	0.0046	-
Molybdenum	mg/kg/wk	0.000059	-	-	0.000040	-	0.00054	0.000049	-	0.000059	-	0.000088	-
Sodium	mg/kg/wk	0.049	-	-	0.049	-	0.049	0.039	-	0.049	-	0.049	-
Nickel	mg/kg/wk	0.000099	-	-	0.000099	-	0.000099	0.000099	-	0.000099	-	0.000098	-
Phosphorus	mg/kg/wk	0.0089	-	-	0.0089	-	0.0089	0.0089	-	0.0089	-	0.0088	-
Lead	mg/kg/wk	0.000020	-	-	0.000020	-	0.000030	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	0.00020	-	-	0.00020	-	0.00020	0.00020	-	0.00030	-	0.00020	-
Selenium	mg/kg/wk	0.00099	-	-	0.00099	-	0.00099	0.00099	-	0.00099	-	0.00098	-
Silicon	mg/kg/wk	0.33	-	-	0.32	-	0.37	0.33	-	0.36	-	0.27	-
Tin	mg/kg/wk	0.00091	-	-	0.00092	-	0.0013	0.0010	-	0.00097	-	0.00061	-
Strontium	mg/kg/wk	0.0076	-	-	0.0074	-	0.0074	0.0068	-	0.0075	-	0.0061	-
Titanium	mg/kg/wk	0.00010	-	-	0.00010	-	0.00010	0.00010	-	0.00010	-	0.00010	-
Thallium	mg/kg/wk	0.000020	-	-	0.000020	-	0.000020	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.0073	-	-	0.0071	-	0.0061	0.0071	-	0.0069	-	0.0057	-
Vanadium	mg/kg/wk	0.000089	-	-	0.00012	-	0.00015	0.00014	-	0.00014	-	0.00012	-
Tungsten	mg/kg/wk	0.000030	-	-	0.000030	-	0.000049	0.000030	-	0.000030	-	0.000029	-
Yttrium	mg/kg/wk	0.000010	-	-	0.000010	-	0.000018	0.000012	-	0.000014	-	0.000010	-
Zinc	mg/kg/wk	0.0020	-	-	0.0020	-	0.0020	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-

Table 5 - Standard Humidity Cell 5171

Analyte	Unit	Wk#51 30-May-12	Wk#52 05-Jun-12	Wk#53 13-Jun-12	Wk#54 20-Jun-12	Wk#55 27-Jun-12	Wk#56 04-Jul-12	Wk#57 11-Jul-12	Wk#58 18-Jul-12	Wk#59 25-Jul-12	Wk#60 01-Aug-12	Wk#61 08-Aug-12	Wk#62 15-Aug-12	Wk#63 22-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	987	983	972	985	987	978	967	989	970	964	960	957	966
pH	no unit	7.01	7.38	7.6	7.2	7.43	7.05	6.88	7.19	7.03	7.31	6.91	6.99	7.12
Alkalinity	mg/kg/wk as CaCO ₃	4.9	5.9	4.9	6.9	5.9	5.9	4.8	5.9	4.9	4.8	4.8	3.8	4.8
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9
Conductivity	uS/cm	17	19	17	38	19	22	19	22	19	20	20	17	20
Sulphate	mg/kg/wk	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.5	1.6	1.7	1.6
Silver	mg/kg/wk	0.00010	-	0.00010	-	0.000099	-	0.000097	-	0.000097	-	0.000096	-	0.000097
Aluminum	mg/kg/wk	0.030	-	0.029	-	0.039	-	0.039	-	0.029	-	0.019	-	0.039
Arsenic	mg/kg/wk	0.00020	-	0.00019	-	0.00030	-	0.00019	-	0.00039	-	0.00019	-	0.00019
Barium	mg/kg/wk	0.00068	-	0.00091	-	0.0017	-	0.0015	-	0.00066	-	0.00080	-	0.00092
Beryllium	mg/kg/wk	0.00020	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000019
Boron	mg/kg/wk	0.00089	-	0.0006	-	0.00049	-	0.00058	-	0.0017	-	0.00067	-	0.00087
Bismuth	mg/kg/wk	0.000099	-	0.000097	-	0.000099	-	0.000097	-	0.000097	-	0.000096	-	0.000097
Calcium	mg/kg/wk	2.7	-	2.6	-	3.0	-	2.6	-	2.5	-	2.4	-	2.6
Cadmium	mg/kg/wk	0.000030	-	0.000029	-	0.000030	-	0.000029	-	0.000029	-	0.000029	-	0.000029
Cobalt	mg/kg/wk	0.00028	-	0.00011	-	0.00058	-	0.00027	-	0.00010	-	0.00051	-	0.00021
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00048	-	0.00049	-	0.00048	-	0.00048
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00068	-	0.00049	-	0.00048	-	0.00077
Iron	mg/kg/wk	0.0030	-	0.0029	-	0.032	-	0.0029	-	0.0029	-	0.0029	-	0.0029
Potassium	mg/kg/wk	0.58	-	0.56	-	0.64	-	0.56	-	0.52	-	0.49	-	0.53
Lithium	mg/kg/wk	0.00099	-	0.00097	-	0.00099	-	0.00097	-	0.00097	-	0.00096	-	0.00097
Magnesium	mg/kg/wk	0.041	-	0.042	-	0.043	-	0.039	-	0.036	-	0.035	-	0.037
Manganese	mg/kg/wk	0.0086	-	0.0050	-	0.0069	-	0.0051	-	0.0055	-	0.0055	-	0.0054
Molybdenum	mg/kg/wk	0.00042	-	0.00022	-	0.00049	-	0.00029	-	0.00039	-	0.000269	-	0.000135
Sodium	mg/kg/wk	0.039	-	0.039	-	0.049	-	0.039	-	0.039	-	0.038	-	0.039
Nickel	mg/kg/wk	0.00099	-	0.00097	-	0.00099	-	0.00097	-	0.00097	-	0.00096	-	0.00097
Phosphorus	mg/kg/wk	0.0089	-	0.0087	-	0.0089	-	0.0087	-	0.0087	-	0.0086	-	0.0087
Lead	mg/kg/wk	0.00049	-	0.00087	-	0.00020	-	0.00058	-	0.00019	-	0.00038	-	0.00039
Antimony	mg/kg/wk	0.00020	-	0.00019	-	0.00030	-	0.00019	-	0.00029	-	0.00019	-	0.00019
Selenium	mg/kg/wk	0.00099	-	0.00097	-	0.00089	-	0.00039	-	0.00015	-	0.00038	-	0.00020
Silicon	mg/kg/wk	0.30	-	0.27	-	0.36	-	0.27	-	0.26	-	0.24	-	0.28
Tin	mg/kg/wk	0.00079	-	0.00124	-	0.00062	-	0.00088	-	0.00044	-	0.00021	-	0.00044
Strontium	mg/kg/wk	0.0063	-	0.0063	-	0.0069	-	0.0061	-	0.0056	-	0.0053	-	0.0055
Titanium	mg/kg/wk	0.00010	-	0.00010	-	0.000099	-	0.000097	-	0.000097	-	0.000096	-	0.000097
Thallium	mg/kg/wk	0.000020	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000019
Uranium	mg/kg/wk	0.0061	-	0.0059	-	0.0061	-	0.0057	-	0.0052	-	0.0051	-	0.0048
Vanadium	mg/kg/wk	0.00013	-	0.00011	-	0.00012	-	0.00013	-	0.00011	-	0.00011	-	0.00011
Tungsten	mg/kg/wk	0.00030	-	0.000330	-	0.00030	-	0.00022	-	0.000029	-	0.000029	-	0.000039
Yttrium	mg/kg/wk	0.00016	-	0.000004	-	0.000014	-	0.0000029	-	0.000010	-	0.000020	-	0.000010
Zinc	mg/kg/wk	0.0020	-	0.0029	-	0.0020	-	0.0019	-	0.0019	-	0.0019	-	0.0019
Mercury	mg/kg/wk	-	-	-	-	0.000099	-	0.000097	-	0.000097	-	0.000096	-	0.000077

Table 5 - Standard Humidity Cell 5171

Analyte	Unit	Wk#64 29-Aug-12	Wk#65 05-Sep-12	Wk#66 12-Sep-12	Wk#67 19-Sep-12	Wk#68 26-Sep-12	Wk#69 03-Oct-12	Wk#70 10-Oct-12	Wk#71 17-Oct-12	Wk#72 24-Oct-12	Wk#73 31-Oct-12	Wk#74 07-Nov-12	Wk#75 14-Nov-12	Wk#76 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	973	978	962	978	968	992	971	980	958	960	974	991	980
pH	no unit	6.8	6.93	6.96	6.55	6.95	6.89	6.97	7.02	6.76	6.94	6.7	6.9	7.03
Alkalinity	mg/kg/wk as CaCO ₃	4.9	4.9	3.8	2.9	4.8	5.0	4.9	3.9	3.8	3.8	3.9	5.0	5.9
Acidity	mg/kg/wk as CaCO ₃	1.9	2.0	1.9	2.0	1.9	2.0	1.9	2.0	1.9	1.9	1.9	2.0	2.0
Conductivity	uS/cm	17	21	21	16	20	18	18	21	18	20	16	21	20
Sulphate	mg/kg/wk	1.7	1.6	1.5	1.6	1.6	1.9	1.7	1.9	2.1	1.6	1.8	1.9	2.0
Silver	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000096	-	0.0000099	-
Aluminum	mg/kg/wk	-	0.020	-	0.039	-	0.030	-	0.049	-	0.029	-	0.040	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00019	-	0.00020	-
Barium	mg/kg/wk	-	0.00068	-	0.0012	-	0.0007	-	0.0007	-	0.0005	-	0.0009	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-
Boron	mg/kg/wk	-	0.00020	-	0.00029	-	0.00030	-	0.00118	-	0.00029	-	0.00059	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000096	-	0.0000099	-
Calcium	mg/kg/wk	-	2.6	-	2.4	-	2.6	-	2.5	-	2.3	-	2.6	-
Cadmium	mg/kg/wk	-	0.0000029	-	0.0000029	-	0.0000030	-	0.0000029	-	0.0000029	-	0.0000040	-
Cobalt	mg/kg/wk	-	0.000018	-	0.000005	-	0.000015	-	0.000017	-	0.000022	-	0.000021	-
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00048	-	0.00050	-
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00125	-	0.00050	-
Iron	mg/kg/wk	-	0.0029	-	0.0029	-	0.0030	-	0.0029	-	0.0029	-	0.0030	-
Potassium	mg/kg/wk	-	0.46	-	0.50	-	0.49	-	0.48	-	0.45	-	0.47	-
Lithium	mg/kg/wk	-	0.00098	-	0.00098	-	0.00099	-	0.00098	-	0.00096	-	0.00099	-
Magnesium	mg/kg/wk	-	0.037	-	0.032	-	0.036	-	0.033	-	0.031	-	0.035	-
Manganese	mg/kg/wk	-	0.0065	-	0.0055	-	0.0060	-	0.0056	-	0.0046	-	0.0059	-
Molybdenum	mg/kg/wk	-	0.002523	-	0.000088	-	0.000060	-	0.000039	-	0.000048	-	0.000069	-
Sodium	mg/kg/wk	-	0.029	-	0.039	-	0.040	-	0.039	-	0.029	-	0.040	-
Nickel	mg/kg/wk	-	0.000098	-	0.000098	-	0.000099	-	0.000098	-	0.000096	-	0.000198	-
Phosphorus	mg/kg/wk	-	0.0088	-	0.0088	-	0.0089	-	0.0088	-	0.0086	-	0.0089	-
Lead	mg/kg/wk	-	0.000029	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-
Antimony	mg/kg/wk	-	0.00029	-	0.00020	-	0.00020	-	0.00039	-	0.00019	-	0.00020	-
Selenium	mg/kg/wk	-	0.000078	-	0.000127	-	0.000040	-	0.000059	-	0.000125	-	0.000069	-
Silicon	mg/kg/wk	-	0.26	-	0.28	-	0.32	-	0.25	-	0.23	-	0.30	-
Tin	mg/kg/wk	-	0.00061	-	0.00056	-	0.00049	-	0.00050	-	0.00021	-	0.00091	-
Strontium	mg/kg/wk	-	0.0053	-	0.0052	-	0.0056	-	0.0052	-	0.0046	-	0.0055	-
Titanium	mg/kg/wk	-	0.000098	-	0.000098	-	0.000099	-	0.000098	-	0.000096	-	0.000099	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-
Uranium	mg/kg/wk	-	0.0046	-	0.0042	-	0.0051	-	0.0045	-	0.0047	-	0.0042	-
Vanadium	mg/kg/wk	-	0.000059	-	0.00012	-	0.00011	-	0.00011	-	0.00007	-	0.00009	-
Tungsten	mg/kg/wk	-	0.00014	-	0.000029	-	0.000089	-	0.000049	-	0.000029	-	0.000030	-
Yttrium	mg/kg/wk	-	0.0000088	-	0.0000079	-	0.0000060	-	0.0000059	-	0.0000086	-	0.0000079	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0019	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000096	-	0.0000099	-

Analyte	Unit	Wk#0 18/May/11	Wk#1 25/May/11	Wk#2 1/June/11	Wk#3 8/June/11	Wk#4 15/June/11	Wk#5 22-June-11	Wk#6 29-June-11	Wk#7 06-July-11	Wk#8 13/July/11	Wk# 9 20/July/11	Wk#10 27/July/11	Wk#11 3/Aug/11	Wk#12 10/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	771	958	949	941	990	961	959	952	957	961	957	961	953
pH	no unit	6.26	6.03	5.97	5.95	5.82	5.59	6.63	5.86	5.75	5.9	5.72	5.64	5.67
Alkalinity	mg/kg/wk as CaCO ₃	1.5	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	1.5	4.8	1.9	2.8	3.0	2.9	1.9	1.9	2.9	2.9	2.9	2.9	1.9
Conductivity	uS/cm	110	149	120	88	69	59	59	55	48	49	48	41	41
Sulphate	mg/kg/wk	32	77	46	31	25	20	20	19	17	16	15	14	14
Silver	mg/kg/wk	0.000077	0.0000096	0.0000095	0.0000094	0.0000099	0.0000096	-	0.0000095	-	0.000010	-	0.000010	-
Aluminum	mg/kg/wk	0.0077	0.0096	0.0096	0.0094	0.0099	0.0096	-	0.0095	-	0.010	-	0.010	-
Arsenic	mg/kg/wk	0.00015	0.00019	0.00019	0.00019	0.00020	0.00019	-	0.00019	-	0.00019	-	0.00029	-
Barium	mg/kg/wk	0.00066	0.00121	0.00171	0.00063	0.00059	0.00071	-	0.00050	-	0.00063	-	0.00053	-
Beryllium	mg/kg/wk	0.000015	0.000019	0.000019	0.000019	0.000020	0.000019	-	0.000019	-	0.000019	-	0.000019	-
Boron	mg/kg/wk	0.0037	0.017	0.0094	0.0075	0.0071	0.0063	-	0.0051	-	0.0036	-	0.0023	-
Bismuth	mg/kg/wk	0.000077	0.0000096	0.0000095	0.0000094	0.0000099	0.0000096	-	0.0000095	-	0.000010	-	0.000010	-
Calcium	mg/kg/wk	1.6	3.6	2.4	1.5	1.2	1.0	-	0.92	-	0.86	-	0.62	-
Cadmium	mg/kg/wk	0.000023	0.0000038	0.0000028	0.0000056	0.0000030	0.0000029	-	0.0000057	-	0.0000058	-	0.000018	-
Cobalt	mg/kg/wk	0.0049	0.0021	0.0019	0.0019	0.0022	0.0025	-	0.0032	-	0.0045	-	0.0059	-
Chromium	mg/kg/wk	0.00039	0.00048	0.00047	0.00047	0.00050	0.00048	-	0.00048	-	0.00048	-	0.00048	-
Copper	mg/kg/wk	0.00039	0.00048	0.00047	0.00047	0.00050	0.00048	-	0.00057	-	0.00086	-	0.00013	-
Iron	mg/kg/wk	0.024	0.0019	0.0057	0.0019	0.0040	0.0019	-	0.0048	-	0.13	-	0.0019	-
Potassium	mg/kg/wk	1.5	3.1	2.3	1.7	1.5	1.3	-	1.1	-	0.91	-	0.77	-
Lithium	mg/kg/wk	0.00077	0.00096	0.00095	0.00094	0.00099	0.00096	-	0.00095	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	6.9	16.0	10.5	6.6	5.6	4.5	-	4.4	-	3.7	-	3.1	-
Manganese	mg/kg/wk	0.013	0.024	0.018	0.016	0.018	0.017	-	0.021	-	0.027	-	0.029	-
Molybdenum	mg/kg/wk	0.00036	0.00029	0.00021	0.00018	0.00030	0.00067	-	0.000076	-	0.00043	-	0.00011	-
Sodium	mg/kg/wk	0.23	0.45	0.27	0.15	0.11	0.077	-	0.048	-	0.038	-	0.010	-
Nickel	mg/kg/wk	0.12	0.083	0.079	0.086	0.10	0.11	-	0.16	-	0.22	-	0.27	-
Phosphorus	mg/kg/wk	0.0069	0.0086	0.0142	0.0085	0.0089	0.011	-	0.0086	-	0.011	-	0.0086	-
Lead	mg/kg/wk	0.000023	0.000057	0.000057	0.000066	0.000069	0.000086	-	0.00010	-	0.00013	-	0.00016	-
Antimony	mg/kg/wk	0.00057	0.00047	0.00047	0.00019	0.00020	0.00058	-	0.00048	-	0.00029	-	0.00029	-
Selenium	mg/kg/wk	0.00077	0.00096	0.00095	0.00094	0.00099	0.00096	-	0.00095	-	0.0010	-	0.0010	-
Silicon	mg/kg/wk	0.21	0.57	0.55	0.53	0.72	0.59	-	0.68	-	0.75	-	0.68	-
Tin	mg/kg/wk	0.0013	0.00064	0.00027	0.00017	0.00026	0.00012	-	0.00015	-	0.00011	-	0.000067	-
Strontium	mg/kg/wk	0.013	0.029	0.018	0.012	0.010	0.0078	-	0.0075	-	0.0068	-	0.0052	-
Titanium	mg/kg/wk	0.000077	0.000862	0.000095	0.000094	0.000099	0.000096	-	0.00019	-	0.00010	-	0.00010	-
Thallium	mg/kg/wk	0.00039	0.00045	0.00044	0.00034	0.00032	0.00030	-	0.00031	-	0.00031	-	0.00028	-
Uranium	mg/kg/wk	0.000056	0.000046	0.000037	0.000044	0.000044	0.000050	-	0.000070	-	0.00010	-	0.00011	-
Vanadium	mg/kg/wk	0.00010	0.00013	0.000085	0.000038	0.000038	0.000067	-	0.000048	-	0.000038	-	0.000029	-
Tungsten	mg/kg/wk	0.00012	0.00031	0.00014	0.000028	0.000030	0.000029	-	0.000057	-	0.000029	-	0.000029	-
Yttrium	mg/kg/wk	0.000035	0.000038	0.000030	0.000032	0.000036	0.000040	-	0.000055	-	0.000076	-	0.000082	-
Zinc	mg/kg/wk	0.0015	0.0019	0.0019	0.0019	0.0020	0.0019	-	0.0019	-	0.0029	-	0.0038	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	949	955	953	959	948	954	951	965	947	954	950	951	944	926	955	955	950
pH	no unit	5.98	5.57	5.96	5.65	5.67	5.85	5.7	6.25	5.46	5.22	5.43	5.35	5.33	5.44	5.25	5.46	5.29
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	2.8	2.9	1.9	1.9	2.8	1.9	2.9	1.9	1.9	4.8	2.9	3.8	1.9	2.8	5.7	1.9	2.9
Conductivity	uS/cm	39	39	43	40	40	33	33	33	38	44	33	46	27	42	42	46	6
Sulphate	mg/kg/wk	14	13	13	13	13	13	13	14	13	14	13	14	14	15	14	15	14
Silver	mg/kg/wk	0.000095	-	0.000010	-	0.000095	-	0.000010	-	0.000095	-	0.000010	-	0.000094	-	0.000010	-	0.000010
Aluminum	mg/kg/wk	0.0095	-	0.010	-	0.0095	-	0.010	-	0.019	-	0.019	-	0.0094	-	0.057	-	0.038
Arsenic	mg/kg/wk	0.00019	-	0.00152	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00086	-	0.00019
Barium	mg/kg/wk	0.00048	-	0.0005	-	0.00051	-	0.00054	-	0.00066	-	0.00063	-	0.00088	-	0.00077	-	0.0021
Beryllium	mg/kg/wk	0.000019	-	0.000019	-	0.000019	-	0.000029	-	0.000028	-	0.000029	-	0.000028	-	0.000029	-	0.000048
Boron	mg/kg/wk	0.0026	-	0.0019	-	0.0018	-	0.0013	-	0.0015	-	0.0015	-	0.0014	-	0.0014	-	0.00067
Bismuth	mg/kg/wk	0.000095	-	0.000010	-	0.000095	-	0.000010	-	0.000095	-	0.000010	-	0.000094	-	0.000019	-	0.000010
Calcium	mg/kg/wk	0.64	-	0.57	-	0.60	-	0.57	-	0.50	-	0.51	-	0.54	-	0.54	-	0.55
Cadmium	mg/kg/wk	0.000047	-	0.000010	-	0.000019	-	0.000021	-	0.000026	-	0.000028	-	0.000035	-	0.000027	-	0.000041
Cobalt	mg/kg/wk	0.0080	-	0.011	-	0.015	-	0.018	-	0.023	-	0.028	-	0.036	-	0.041	-	0.046
Chromium	mg/kg/wk	0.00047	-	0.00048	-	0.00047	-	0.00048	-	0.00047	-	0.00048	-	0.00047	-	0.00048	-	0.00048
Copper	mg/kg/wk	0.0021	-	0.0037	-	0.0046	-	0.0066	-	0.0093	-	0.012	-	0.018	-	0.021	-	0.029
Iron	mg/kg/wk	0.0019	-	0.0019	-	0.0028	-	0.006	-	0.0057	-	0.0029	-	0.0066	-	0.010	-	0.010
Potassium	mg/kg/wk	0.72	-	0.64	-	0.61	-	0.58	-	0.56	-	0.51	-	0.57	-	0.50	-	0.48
Lithium	mg/kg/wk	0.00095	-	0.0010	-	0.00095	-	0.0010	-	0.00095	-	0.0010	-	0.00094	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	3.2	-	3.0	-	2.9	-	3.0	-	2.8	-	2.8	-	3.1	-	3.0	-	3.1
Manganese	mg/kg/wk	0.036	-	0.046	-	0.055	-	0.057	-	0.063	-	0.067	-	0.074	-	0.070	-	0.072
Molybdenum	mg/kg/wk	0.00022	-	0.000010	-	0.000095	-	0.000019	-	0.00011	-	0.000010	-	0.000094	-	0.000017	-	0.00013
Sodium	mg/kg/wk	0.019	-	0.019	-	0.0095	-	0.019	-	0.0095	-	0.010	-	0.019	-	0.019	-	0.019
Nickel	mg/kg/wk	0.34	-	0.42	-	0.53	-	0.56	-	0.65	-	0.69	-	0.81	-	0.82	-	0.83
Phosphorus	mg/kg/wk	0.0085	-	0.0086	-	0.0085	-	0.0086	-	0.0085	-	0.0086	-	0.0085	-	0.0086	-	0.0086
Lead	mg/kg/wk	0.00026	-	0.00045	-	0.00026	-	0.00035	-	0.00030	-	0.00040	-	0.00048	-	0.00048	-	0.00054
Antimony	mg/kg/wk	0.00028	-	0.00057	-	0.00028	-	0.00019	-	0.00038	-	0.00029	-	0.00028	-	0.00029	-	0.00019
Selenium	mg/kg/wk	0.00095	-	0.0010	-	0.00095	-	0.0010	-	0.00095	-	0.0010	-	0.00094	-	0.0010	-	0.0010
Silicon	mg/kg/wk	0.68	-	0.67	-	0.56	-	0.57	-	0.58	-	0.52	-	0.51	-	0.51	-	0.47
Tin	mg/kg/wk	0.000057	-	0.000048	-	0.000076	-	0.000057	-	0.000038	-	0.000019	-	0.000066	-	0.000010	-	0.000095
Strontium	mg/kg/wk	0.0052	-	0.0046	-	0.0045	-	0.0042	-	0.0039	-	0.0036	-	0.0040	-	0.0035	-	0.0033
Titanium	mg/kg/wk	0.000095	-	0.00010	-	0.000095	-	0.00010	-	0.000095	-	0.00010	-	0.000094	-	0.00010	-	0.00019
Thallium	mg/kg/wk	0.00028	-	0.00027	-	0.00032	-	0.00033	-	0.00033	-	0.00036	-	0.00037	-	0.00032	-	0.00033
Uranium	mg/kg/wk	0.00015	-	0.00018	-	0.00020	-	0.00025	-	0.00031	-	0.00039	-	0.00052	-	0.00057	-	0.00067
Vanadium	mg/kg/wk	0.000028	-	0.000029	-	0.000028	-	0.000038	-	0.000028	-	0.000029	-	0.000028	-	0.000029	-	0.000029
Tungsten	mg/kg/wk	0.000028	-	0.000029	-	0.000028	-	0.000067	-	0.000028	-	0.000029	-	0.000057	-	0.000029	-	0.000048
Yttrium	mg/kg/wk	0.00012	-	0.00014	-	0.00014	-	0.00018	-	0.00023	-	0.00034	-	0.00035	-	0.00039	-	0.00048
Zinc	mg/kg/wk	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0029	-	0.0047	-	0.0048	-	0.0057
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#30 14-Dec-11	Wk#31 21-Dec-11	Wk#32 29-Dec-11	Wk#33 04-Jan-12	Wk#34 11-Jan-12	Wk#35 18-Jan-12	Wk#36 25-Jan-12	Wk#37 01-Feb-12	Wk#38 08-Feb-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	952	945	950	960	952	955	943	955	980	980	946	950	956	942	944	948	945	927	961
pH	no unit	5.62	5.41	5.6	5.24	5.38	5.18	5.16	5.07	5.08	5.07	5.05	4.96	5.23	4.99	5.1	5.02	4.99	4.83	5.26
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	1.9	3.8	1.9	2.9	2.9	2.9	6.6	2.9	2.9	2.9	3.8	2.9	2.9	2.8	2.8	4.7	6.6	2.8	2.9
Conductivity	uS/cm	36	48	47	45	46	38	46	40	53	7	36	6	37	36.738	40	49	52	60	53
Sulphate	mg/kg/wk	15	15	16	14	15	15	14	17	18	20	15	15	15	17	18	17	19	19	17
Silver	mg/kg/wk	-	0.000095	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000094	-	0.000095	-	0.000093	-
Aluminum	mg/kg/wk	-	0.057	-	0.058	-	0.076	-	0.086	-	0.12	-	0.12	-	0.10	-	0.18	-	0.16	-
Arsenic	mg/kg/wk	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00098	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-
Barium	mg/kg/wk	-	0.0026	-	0.0009	-	0.0010	-	0.0010	-	0.0015	-	0.0013	-	0.0011	-	0.0011	-	0.0013	-
Beryllium	mg/kg/wk	-	0.000057	-	0.000058	-	0.000067	-	0.000086	-	0.00011	-	0.00008	-	0.000085	-	0.000085	-	0.00011	-
Boron	mg/kg/wk	-	0.0034	-	0.0012	-	0.0013	-	0.0015	-	0.0010	-	0.00086	-	0.0012	-	0.00085	-	0.0010	-
Bismuth	mg/kg/wk	-	0.000095	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000094	-	0.000095	-	0.000093	-
Calcium	mg/kg/wk	-	0.54	-	0.47	-	0.51	-	0.51	-	0.58	-	0.45	-	0.47	-	0.45	-	0.47	-
Cadmium	mg/kg/wk	-	0.000034	-	0.000032	-	0.000044	-	0.000046	-	0.000049	-	0.000033	-	0.000032	-	0.000038	-	0.000020	-
Cobalt	mg/kg/wk	-	0.054	-	0.050	-	0.055	-	0.059	-	0.067	-	0.049	-	0.055	-	0.053	-	0.059	-
Chromium	mg/kg/wk	-	0.00047	-	0.00048	-	0.00048	-	0.00048	-	0.00049	-	0.00048	-	0.00047	-	0.00047	-	0.00056	-
Copper	mg/kg/wk	-	0.039	-	0.042	-	0.056	-	0.067	-	0.087	-	0.072	-	0.089	-	0.089	-	0.12	-
Iron	mg/kg/wk	-	0.016	-	0.013	-	0.017	-	0.018	-	0.016	-	0.018	-	0.026	-	0.023	-	0.026	-
Potassium	mg/kg/wk	-	0.46	-	0.46	-	0.46	-	0.49	-	0.53	-	0.41	-	0.44	-	0.40	-	0.45	-
Lithium	mg/kg/wk	-	0.00095	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0019	-	0.0094	-	0.00095	-	0.00093	-
Magnesium	mg/kg/wk	-	3.1	-	2.9	-	3.2	-	3.3	-	4.0	-	3.0	-	3.4	-	3.5	-	3.8	-
Manganese	mg/kg/wk	-	0.071	-	0.060	-	0.069	-	0.067	-	0.076	-	0.057	-	0.061	-	0.063	-	0.060	-
Molybdenum	mg/kg/wk	-	0.00012	-	0.00011	-	0.000010	-	0.00019	-	0.000343	-	0.00017	-	0.000066	-	0.000085	-	0.000083	-
Sodium	mg/kg/wk	-	0.019	-	0.019	-	0.019	-	0.019	-	0.020	-	0.019	-	0.019	-	0.019	-	0.019	-
Nickel	mg/kg/wk	-	0.92	-	0.84	-	0.86	-	0.94	-	0.99	-	0.70	-	0.83	-	0.74	-	0.84	-
Phosphorus	mg/kg/wk	-	0.016	-	0.0086	-	0.0086	-	0.0086	-	0.0088	-	0.0086	-	0.0085	-	0.0085	-	0.0083	-
Lead	mg/kg/wk	-	0.00062	-	0.00060	-	0.0010	-	0.0008	-	0.0010	-	0.00077	-	0.00089	-	0.00086	-	0.0010	-
Antimony	mg/kg/wk	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00020	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-
Selenium	mg/kg/wk	-	0.00095	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0094	-	0.00095	-	0.00093	-
Silicon	mg/kg/wk	-	0.46	-	0.50	-	0.49	-	0.50	-	0.75	-	0.44	-	0.44	-	0.37	-	0.40	-
Tin	mg/kg/wk	-	0.000076	-	0.000029	-	0.000048	-	0.000048	-	0.000078	-	0.000048	-	0.000066	-	0.000066	-	0.000046	-
Strontium	mg/kg/wk	-	0.0032	-	0.0026	-	0.0027	-	0.0026	-	0.0027	-	0.0019	-	0.0018	-	0.0019	-	0.0019	-
Titanium	mg/kg/wk	-	0.00009	-	0.00019	-	0.00010	-	0.00010	-	0.00020	-	0.00010	-	0.000094	-	0.000095	-	0.000093	-
Thallium	mg/kg/wk	-	0.00038	-	0.00035	-	0.00043	-	0.00040	-	0.00044	-	0.00027	-	0.00032	-	0.00036	-	0.00039	-
Uranium	mg/kg/wk	-	0.00084	-	0.00093	-	0.0012	-	0.0013	-	0.0016	-	0.0014	-	0.0015	-	0.0014	-	0.0016	-
Vanadium	mg/kg/wk	-	0.000057	-	0.000029	-	0.000038	-	0.000029	-	0.000029	-	0.000029	-	0.000028	-	0.000028	-	0.000028	-
Tungsten	mg/kg/wk	-	0.000028	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000048	-	0.000028	-	0.000028	-	0.000028	-
Yttrium	mg/kg/wk	-	0.00056	-	0.00055	-	0.00075	-	0.00080	-	0.00093	-	0.00072	-	0.00086	-	0.00090	-	0.0012	-
Zinc	mg/kg/wk	-	0.0066	-	0.0077	-	0.010	-	0.011	-	0.013	-	0.010	-	0.012	-	0.012	-	0.013	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6 - Standard Humidity Cell 5178

Analyte	Unit	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 16-May-12	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 #####	Wk#57 20-Jun-12	Wk#58 #####	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	934	944	997	996	990	1000	998	998	997	997	1001	992	992	996	981	984	989	990
pH	no unit	4.88	4.92	4.91	4.76	4.8	5.11	4.81	4.63	4.82	5.03	4.92	5.02	5.04	4.65	4.99	4.79	4.59	4.92
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	3.7	3.8	5.0	4.0	5.0	3.0	6.0	4.0	5.0	3.0	3.0	2.0	4.0	8.0	5.9	3.9	4.9	4.0
Conductivity	uS/cm	56	48	55	58	60	55	61	65	56	56	59	52	51	50	53	58	57	54
Sulphate	mg/kg/wk	19	16	17	2	20	20	20	20	20	19	19	19	18	17	17	18	19	18
Silver	mg/kg/wk	0.000093	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.0000100	-	0.000099	-	0.000098	-	0.000099	-
Aluminum	mg/kg/wk	0.18	-	0.17	-	0.20	-	0.24	-	0.23	-	0.21	-	0.20	-	0.21	-	0.25	-
Arsenic	mg/kg/wk	0.00019	-	0.00020	-	0.00020	-	0.00050	-	0.00020	-	0.00020	-	0.00020	-	0.0025	-	0.00020	-
Barium	mg/kg/wk	0.0013	-	0.0021	-	0.0016	-	0.0016	-	0.0015	-	0.0017	-	0.0023	-	0.0015	-	0.0019	-
Beryllium	mg/kg/wk	0.00011	-	0.00013	-	0.00014	-	0.00015	-	0.00013	-	0.00014	-	0.00014	-	0.00011	-	0.00014	-
Boron	mg/kg/wk	0.0015	-	0.0012	-	0.0014	-	0.0014	-	0.0012	-	0.00140	-	0.0012	-	0.00069	-	0.0011	-
Bismuth	mg/kg/wk	0.000093	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000099	-	0.000098	-	0.000099	-
Calcium	mg/kg/wk	0.46	-	0.43	-	0.46	-	0.45	-	0.42	-	0.45	-	0.44	-	0.44	-	0.51	-
Cadmium	mg/kg/wk	0.000028	-	0.000014	-	0.0000069	-	0.000017	-	0.000012	-	0.000044	-	0.000039	-	0.000024	-	0.000045	-
Cobalt	mg/kg/wk	0.058	-	0.051	-	0.058	-	0.052	-	0.046	-	0.045	-	0.042	-	0.036	-	0.037	-
Chromium	mg/kg/wk	0.00056	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	0.12	-	0.13	-	0.15	-	0.15	-	0.13	-	0.14	-	0.14	-	0.11	-	0.14	-
Iron	mg/kg/wk	0.030	-	0.026	-	0.024	-	0.024	-	0.019	-	0.021	-	0.026	-	0.016	-	0.012	-
Potassium	mg/kg/wk	0.41	-	0.48	-	0.50	-	0.51	-	0.49	-	0.51	-	0.49	-	0.49	-	0.53	-
Lithium	mg/kg/wk	0.00093	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.00099	-	0.00098	-	0.00099	-
Magnesium	mg/kg/wk	3.6	-	3.5	-	4.0	-	4.1	-	3.9	-	3.8	-	3.5	-	3.5	-	3.7	-
Manganese	mg/kg/wk	0.059	-	0.050	-	0.056	-	0.056	-	0.049	-	0.049	-	0.045	-	0.048	-	0.043	-
Molybdenum	mg/kg/wk	0.00011	-	0.000090	-	0.000089	-	0.00011	-	0.000010	-	0.000090	-	0.000089	-	0.00028	-	0.000030	-
Sodium	mg/kg/wk	0.019	-	0.020	-	0.020	-	0.020	-	0.020	-	0.030	-	0.020	-	0.020	-	0.020	-
Nickel	mg/kg/wk	0.82	-	0.75	-	0.77	-	0.74	-	0.71	-	0.66	-	0.63	-	0.50	-	0.54	-
Phosphorus	mg/kg/wk	0.0084	-	0.0090	-	0.0089	-	0.0090	-	0.0090	-	0.0090	-	0.0089	-	0.0088	-	0.0089	-
Lead	mg/kg/wk	0.0010	-	0.0013	-	0.0020	-	0.0019	-	0.0013	-	0.0016	-	0.0015	-	0.0014	-	0.0018	-
Antimony	mg/kg/wk	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00050	-	0.00030	-	0.00029	-	0.00020	-
Selenium	mg/kg/wk	0.00093	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.000040	-	0.000040	-	0.000039	-	0.000040	-
Silicon	mg/kg/wk	0.34	-	0.69	-	0.80	-	0.81	-	0.77	-	0.84	-	0.78	-	0.79	-	0.89	-
Tin	mg/kg/wk	0.000075	-	0.000090	-	0.000089	-	0.00010	-	0.000040	-	0.0014	-	0.00017	-	0.000078	-	0.00015	-
Strontium	mg/kg/wk	0.0016	-	0.0018	-	0.0014	-	0.0014	-	0.0010	-	0.0012	-	0.0012	-	0.00078	-	0.00109	-
Titanium	mg/kg/wk	0.000093	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.000099	-	0.000098	-	0.000099	-
Thallium	mg/kg/wk	0.00035	-	0.00045	-	0.00050	-	0.00050	-	0.00046	-	0.00048	-	0.00046	-	0.00040	-	0.00055	-
Uranium	mg/kg/wk	0.0018	-	0.0020	-	0.0021	-	0.0023	-	0.0018	-	0.0019	-	0.0016	-	0.0014	-	0.0017	-
Vanadium	mg/kg/wk	0.000037	-	0.000040	-	0.000040	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000029	-	0.000030	-
Tungsten	mg/kg/wk	0.000028	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.00028	-	0.000040	-	0.000029	-	0.000030	-
Yttrium	mg/kg/wk	0.0014	-	0.0011	-	0.0012	-	0.0014	-	0.0012	-	0.00099	-	0.00085	-	0.00082	-	0.00097	-
Zinc	mg/kg/wk	0.012	-	0.012	-	0.015	-	0.013	-	0.013	-	0.012	-	0.011	-	0.011	-	0.012	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	0.000010	-	0.000099	-	0.000098	-	0.000099	-

Table 6 - Standard Humidity Cell 5178

Analyte	Unit	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 #####	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	991	993	996	988	988	985	985	992	989	988	990	995	984
pH	no unit	4.69	4.67	4.88	4.79	4.58	4.71	4.71	5	4.59	4.62	4.72	4.75	4.67
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	5.0	6.0	5.0	4.0	5.9	7.9	3.0	7.9	4.9	6.9	5.0	6.0	4.9
Conductivity	uS/cm	58	55	55	52	54	63	59	55	64	101	48	51	53
Sulphate	mg/kg/wk	18	18	19	17	19	18	19	20	20	37	16	17	18
Silver	mg/kg/wk	0.000099	-	0.000010	-	0.000099	-	0.000099	-	0.000099	-	0.000030	-	0.000098
Aluminum	mg/kg/wk	0.24	-	0.24	-	0.26	-	0.28	-	0.33	-	0.25	-	0.31
Arsenic	mg/kg/wk	0.00040	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.00161	-	0.0020	-	0.0021	-	0.0019	-	0.0020	-	0.0022	-	0.00185
Beryllium	mg/kg/wk	0.00013	-	0.00013	-	0.00016	-	0.00016	-	0.00019	-	0.00014	-	0.00016
Boron	mg/kg/wk	0.00079	-	0.00129	-	0.00099	-	0.0011	-	0.0013	-	0.00030	-	0.00079
Bismuth	mg/kg/wk	0.000099	-	0.000010	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098
Calcium	mg/kg/wk	0.48	-	0.48	-	0.48	-	0.48	-	0.53	-	0.42	-	0.49
Cadmium	mg/kg/wk	0.000039	-	0.000041	-	0.000045	-	0.000042	-	0.000057	-	0.000041	-	0.000040
Cobalt	mg/kg/wk	0.037	-	0.036	-	0.036	-	0.035	-	0.039	-	0.028	-	0.030
Chromium	mg/kg/wk	0.00050	-	0.00060	-	0.00069	-	0.00069	-	0.00089	-	0.00059	-	0.00098
Copper	mg/kg/wk	0.13	-	0.14	-	0.15	-	0.14	-	0.16	-	0.12	-	0.13
Iron	mg/kg/wk	0.018	-	0.019	-	0.019	-	0.022	-	0.022	-	0.022	-	0.026
Potassium	mg/kg/wk	0.51	-	0.52	-	0.54	-	0.52	-	0.54	-	0.47	-	0.50
Lithium	mg/kg/wk	0.00099	-	0.0010	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098
Magnesium	mg/kg/wk	3.4	-	3.4	-	3.4	-	3.4	-	3.8	-	2.9	-	3.2
Manganese	mg/kg/wk	0.038	-	0.039	-	0.038	-	0.039	-	0.044	-	0.031	-	0.034
Molybdenum	mg/kg/wk	0.000079	-	0.000080	-	0.00011	-	0.00014	-	0.000010	-	0.000040	-	0.000098
Sodium	mg/kg/wk	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Nickel	mg/kg/wk	0.53	-	0.52	-	0.51	-	0.51	-	0.55	-	0.42	-	0.42
Phosphorus	mg/kg/wk	0.0089	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0099	-	0.0089
Lead	mg/kg/wk	0.0019	-	0.0019	-	0.0021	-	0.0021	-	0.0025	-	0.0019	-	0.0022
Antimony	mg/kg/wk	0.00020	-	0.00030	-	0.00030	-	0.00049	-	0.00049	-	0.00020	-	0.00039
Selenium	mg/kg/wk	0.00017	-	0.000040	-	0.000069	-	0.000059	-	0.00014	-	0.000040	-	0.000039
Silicon	mg/kg/wk	0.79	-	0.80	-	0.91	-	0.84	-	0.88	-	0.74	-	0.70
Tin	mg/kg/wk	0.00017	-	0.00016	-	0.00015	-	0.00021	-	0.00018	-	0.00017	-	0.00017
Strontium	mg/kg/wk	0.00099	-	0.0024	-	0.0011	-	0.00099	-	0.00099	-	0.0012	-	0.00089
Titanium	mg/kg/wk	0.000099	-	0.00010	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098
Thallium	mg/kg/wk	0.00052	-	0.00052	-	0.00058	-	0.00054	-	0.00056	-	0.00049	-	0.00051
Uranium	mg/kg/wk	0.0018	-	0.0017	-	0.0017	-	0.0018	-	0.0020	-	0.0014	-	0.0016
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000040	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	0.00093	-	0.00092	-	0.00096	-	0.0011	-	0.0012	-	0.00079	-	0.00098
Zinc	mg/kg/wk	0.0099	-	0.010	-	0.0099	-	0.0099	-	0.0099	-	0.0089	-	0.0098
Mercury	mg/kg/wk	0.000099	-	0.00036	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098

Analyte	Unit	Wk#0 18/May/11	Wk#1 25/May/11	Wk#2 1/Jun/11	Wk#3 8/Jun/11	Wk#4 15/Jun/11	Wk#5 22-Jun-11	Wk#6 29-Jun-11	Wk#7 06-Jul-11	Wk#8 13-Jul/11	Wk# 9 20/Jul/11	Wk#10 27/Jul/11	Wk#11 3/Aug/11	Wk#12 10/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	779	993	992	884	993	1001	992	989	981	990	982	989	981
pH	no unit	6.77	6.03	7.01	6.8	6.62	6.81	6.8	6.75	6.9	6.52	6.76	6.69	6.74
Alkalinity	mg/kg/wk as CaCO ₃	2.3	2.0	5.0	3.5	5.0	4.0	4.0	4.0	3.9	3.0	2.9	3.0	2.9
Acidity	mg/kg/wk as CaCO ₃	1.6	5.0	2.0	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	117	149	93	27	58	36	26	21	18	17	17	15	14
Sulphate	mg/kg/wk	26	55	27	5.6	16	10	5.5	4.4	3.8	3.4	3.3	3.0	2.7
Silver	mg/kg/wk	0.0000078	0.0000099	0.0000099	0.0000088	0.0000099	0.000010	-	0.0000099	-	0.0000099	-	0.0000099	-
Aluminum	mg/kg/wk	0.0078	0.0099	0.0099	0.0088	0.0099	0.010	-	0.0099	-	0.0099	-	0.0099	-
Arsenic	mg/kg/wk	0.00016	0.00020	0.00020	0.00018	0.00020	0.00020	-	0.00020	-	0.00020	-	0.00040	-
Barium	mg/kg/wk	0.0057	0.0074	0.0052	0.0025	0.0041	0.0034	-	0.0026	-	0.0021	-	0.0019	-
Beryllium	mg/kg/wk	0.000016	0.000020	0.000020	0.000018	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0041	0.0182	0.011	0.0055	0.0090	0.0066	-	0.0050	-	0.0050	-	0.0025	-
Bismuth	mg/kg/wk	0.0000078	0.0000099	0.0000099	0.0000088	0.0000099	0.000010	-	0.0000099	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	3.4	5.5	3.1	0.62	1.6	1.1	-	0.57	-	0.43	-	0.33	-
Cadmium	mg/kg/wk	0.0000086	0.0000030	0.0000030	0.0000027	0.0000070	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt	mg/kg/wk	0.00081	0.00062	0.00046	0.00018	0.00031	0.00024	-	0.00018	-	0.00015	-	0.00017	-
Chromium	mg/kg/wk	0.00039	0.00050	0.00050	0.00044	0.00050	0.00050	-	0.00049	-	0.00050	-	0.00049	-
Copper	mg/kg/wk	0.00039	0.00050	0.00050	0.00044	0.00050	0.00050	-	0.00049	-	0.00050	-	0.00049	-
Iron	mg/kg/wk	0.0031	0.0020	0.0050	0.0018	0.0040	0.0050	-	0.0049	-	0.0020	-	0.0020	-
Potassium	mg/kg/wk	3.1	4.7	3.6	1.6	2.6	2.2	-	1.7	-	1.3	-	1.3	-
Lithium	mg/kg/wk	0.0023	0.0040	0.0030	0.00088	0.0020	0.0020	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	5.8	12	6.7	1.4	3.6	2.3	-	1.3	-	1.0	-	0.77	-
Manganese	mg/kg/wk	0.022	0.049	0.029	0.010	0.020	0.015	-	0.0094	-	0.0085	-	0.0079	-
Molybdenum	mg/kg/wk	0.015	0.0023	0.0016	0.00088	0.0012	0.00091	-	0.00064	-	0.00070	-	0.00045	-
Sodium	mg/kg/wk	0.015	0.16	0.16	0.16	0.21	0.21	-	0.07	-	0.07	-	0.07	-
Nickel	mg/kg/wk	0.0025	0.0015	0.0011	0.00027	0.00089	0.00060	-	0.00089	-	0.0015	-	0.0017	-
Phosphorus	mg/kg/wk	0.0070	0.017	0.0089	0.0088	0.0089	0.010	-	0.0089	-	0.013	-	0.0089	-
Lead	mg/kg/wk	0.000016	0.000040	0.000020	0.000018	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	0.00047	0.00050	0.00050	0.00027	0.00030	0.00030	-	0.00049	-	0.00030	-	0.00030	-
Selenium	mg/kg/wk	0.00078	0.00099	0.00099	0.00088	0.00099	0.0010	-	0.00099	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	0.26	0.58	0.57	0.44	0.57	0.54	-	0.58	-	0.56	-	0.51	-
Tin	mg/kg/wk	0.00079	0.00095	0.00045	0.00012	0.00029	0.00018	-	0.00015	-	0.00012	-	0.00010	-
Strontium	mg/kg/wk	0.025	0.043	0.024	0.0055	0.014	0.0091	-	0.0050	-	0.0038	-	0.0032	-
Titanium	mg/kg/wk	0.000078	0.00070	0.000099	0.000088	0.000099	0.00020	-	0.000099	-	0.000099	-	0.00020	-
Thallium	mg/kg/wk	0.00016	0.000070	0.000040	0.000027	0.000040	0.000020	-	0.000030	-	0.000030	-	0.000040	-
Uranium	mg/kg/wk	0.000020	0.00029	0.00015	0.000045	0.000085	0.000075	-	0.000049	-	0.000050	-	0.000043	-
Vanadium	mg/kg/wk	0.000039	0.00016	0.000089	0.000062	0.000030	0.000060	-	0.000030	-	0.000030	-	0.000049	-
Tungsten	mg/kg/wk	0.00036	0.00059	0.00043	0.00019	0.00025	0.00024	-	0.00023	-	0.00020	-	0.00018	-
Yttrium	mg/kg/wk	0.0000055	0.0000099	0.0000060	0.0000088	0.0000040	0.000020	-	0.000010	-	0.000010	-	0.000020	-
Zinc	mg/kg/wk	0.0016	0.0020	0.0020	0.0018	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	990	984	985	987	990	996	995	996	995	996	989	988	990	988	989	976	991	987
pH	no unit	6.8	6.61	6.19	6.64	6.43	6.48	6.57	6.77	6.56	6.3	6.44	6.23	6.48	6.35	6.4	6.22	6.36	6.41
Alkalinity	mg/kg/wk as CaCO ₃	3.0	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	13	13	15	13	13	3.0	3.0	4.0	11	12	7.0	13	0.00	11	18	11	3.0	3.0
Sulphate	mg/kg/wk	2.7	2.7	2.6	2.6	2.6	2.4	2.2	2.3	2.3	2.6	2.4	2.6	2.6	2.8	2.5	2.5	2.6	2.4
Silver	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000010	-	0.000010	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-
Aluminum	mg/kg/wk	0.0099	-	0.0099	-	0.0099	-	0.010	-	0.010	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-
Arsenic	mg/kg/wk	0.00020	-	0.00039	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-
Barium	mg/kg/wk	0.0018	-	0.0017	-	0.0017	-	0.0016	-	0.0016	-	0.0016	-	0.0016	-	0.0019	-	0.0019	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0026	-	0.0022	-	0.0022	-	0.0014	-	0.0016	-	0.0014	-	0.0015	-	0.0014	-	0.00040	-
Bismuth	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000010	-	0.000010	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-
Calcium	mg/kg/wk	0.33	-	0.28	-	0.26	-	0.26	-	0.20	-	0.22	-	0.27	-	0.22	-	0.23	-
Cadmium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000040	-
Cobalt	mg/kg/wk	0.00015	-	0.00015	-	0.00019	-	0.00021	-	0.00014	-	0.00026	-	0.00012	-	0.00025	-	0.00037	-
Chromium	mg/kg/wk	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Iron	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-
Potassium	mg/kg/wk	1.4	-	1.2	-	1.2	-	1.1	-	1.0	-	1.1	-	1.2	-	1.0	-	1.0	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.80	-	0.67	-	0.62	-	0.61	-	0.56	-	0.59	-	0.63	-	0.55	-	0.57	-
Manganese	mg/kg/wk	0.0073	-	0.0075	-	0.0080	-	0.0074	-	0.0079	-	0.0079	-	0.0080	-	0.0076	-	0.0086	-
Molybdenum	mg/kg/wk	0.00044	-	0.00033	-	0.00033	-	0.00029	-	0.00016	-	0.00021	-	0.00022	-	0.00022	-	0.00018	-
Sodium	mg/kg/wk	0.050	-	0.039	-	0.020	-	0.030	-	0.020	-	0.030	-	0.030	-	0.030	-	0.020	-
Nickel	mg/kg/wk	0.0022	-	0.0024	-	0.0031	-	0.0033	-	0.00030	-	0.00038	-	0.00030	-	0.0028	-	0.0017	-
Phosphorus	mg/kg/wk	0.0089	-	0.0089	-	0.0089	-	0.0090	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	0.000079	-	0.000069	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	0.00040	-	0.00039	-	0.00030	-	0.00020	-	0.00040	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.0010	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	0.53	-	0.48	-	0.46	-	0.41	-	0.40	-	0.42	-	0.48	-	0.42	-	0.40	-
Tin	mg/kg/wk	0.000079	-	0.000069	-	0.000059	-	0.000030	-	0.000050	-	0.000030	-	0.000059	-	0.000010	-	0.00011	-
Strontium	mg/kg/wk	0.0032	-	0.0025	-	0.0023	-	0.0021	-	0.0019	-	0.0020	-	0.0024	-	0.0020	-	0.0019	-
Titanium	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.00010	-	0.00010	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-
Thallium	mg/kg/wk	0.000030	-	0.000030	-	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-
Uranium	mg/kg/wk	0.000040	-	0.000037	-	0.000043	-	0.000041	-	0.000040	-	0.000029	-	0.000031	-	0.000032	-	0.000061	-
Vanadium	mg/kg/wk	0.000040	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Tungsten	mg/kg/wk	0.00012	-	0.000089	-	0.000010	-	0.000011	-	0.000070	-	0.000049	-	0.000050	-	0.000040	-	0.00024	-
Yttrium	mg/kg/wk	0.0000020	-	0.0000010	-	0.0000099	-	0.0000060	-	0.0000060	-	0.000015	-	0.0000020	-	0.0000010	-	0.000014	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#31 21-Dec-10	Wk#32 29-Dec-11	Wk#33 04-Jan-12	Wk#34 11-Jan-12	Wk#35 18-Jan-12	Wk#36 25-Jan-12	Wk#37 01-Feb-12	Wk#38 08-Feb-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	990	991	990	994	993	983	994	991	982	990	992	992	988	982	1000	992	986	996	993	977
pH	no unit	6.23	6.21	6.32	6.3	6.26	6.57	6.11	6.18	6.21	6.17	6.19	6.18	6.46	6.14	6.34	6.16	5.99	5.71	6.11	6.11
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	3.9	4.0	2.0	2.0
Conductivity	uS/cm	3.0	8.0	2.0	47	3.0	3.0	7.0	3.0	8.0	3.0	7.0	3.0	19	12	11	11	10	10	10	10
Sulphate	mg/kg/wk	2.4	2.7	2.2	2.3	2.6	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.7	2.8	2.6	2.4	2.1	2.4	2.2	2.4
Silver	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000010	-	0.000099	-	0.000099	-
Aluminum	mg/kg/wk	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0100	-	0.0099	-	0.0099	-
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00029	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.0019	-	0.0012	-	0.0014	-	0.0014	-	0.0015	-	0.0014	-	0.0015	-	0.0014	-	0.0013	-	0.0014	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0020	-	0.0010	-	0.0011	-	0.0012	-	0.00039	-	0.00069	-	0.0010	-	0.00070	-	0.00079	-	0.0013	-
Bismuth	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000010	-	0.000099	-	0.000099	-
Calcium	mg/kg/wk	0.23	-	0.17	-	0.19	-	0.18	-	0.18	-	0.19	-	0.18	-	0.20	-	0.16	-	0.18	-
Cadmium	mg/kg/wk	0.0000030	-	0.0000030	-	0.0000040	-	0.0000030	-	0.0000029	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt	mg/kg/wk	0.00054	-	0.00011	-	0.00024	-	0.00034	-	0.00056	-	0.00041	-	0.00034	-	0.00024	-	0.00053	-	0.00050	-
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00079	-	0.00069	-	0.00069	-	0.00050	-	0.00079	-	0.00149	-
Iron	mg/kg/wk	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0029	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-
Potassium	mg/kg/wk	1.0	-	0.89	-	0.92	-	0.92	-	0.86	-	0.85	-	0.92	-	0.87	-	0.81	-	0.83	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.59	-	0.43	-	0.48	-	0.45	-	0.49	-	0.47	-	0.49	-	0.52	-	0.43	-	0.44	-
Manganese	mg/kg/wk	0.0080	-	0.0068	-	0.0078	-	0.0071	-	0.0082	-	0.0079	-	0.0080	-	0.0079	-	0.0079	-	0.0081	-
Molybdenum	mg/kg/wk	0.00018	-	0.00011	-	0.00014	-	0.00015	-	0.00015	-	0.00011	-	0.000089	-	0.000070	-	0.000059	-	0.000089	-
Sodium	mg/kg/wk	0.030	-	0.020	-	0.030	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-
Nickel	mg/kg/wk	0.0072	-	0.00030	-	0.00020	-	0.00010	-	0.00020	-	0.0043	-	0.0028	-	0.0009	-	0.0056	-	0.0055	-
Phosphorus	mg/kg/wk	0.022	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000040	-	0.000020	-	0.000020	-	0.000030	-
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.0010	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	0.43	-	0.33	-	0.33	-	0.32	-	0.30	-	0.30	-	0.37	-	0.31	-	0.33	-	0.30	-
Tin	mg/kg/wk	0.000079	-	0.000020	-	0.000070	-	0.000060	-	0.000049	-	0.000060	-	0.000079	-	0.000070	-	0.000069	-	0.000089	-
Strontium	mg/kg/wk	0.0022	-	0.0015	-	0.0017	-	0.0016	-	0.0017	-	0.0015	-	0.0017	-	0.0017	-	0.0017	-	0.0015	-
Titanium	mg/kg/wk	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.00010	-	0.000099	-	0.000099	-
Thallium	mg/kg/wk	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000039	-	0.000040	-	0.000059	-	0.000020	-	0.000020	-	0.000040	-
Uranium	mg/kg/wk	0.000033	-	0.000020	-	0.000032	-	0.000036	-	0.000062	-	0.000087	-	0.000068	-	0.000026	-	0.000063	-	0.000051	-
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Tungsten	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	0.0000059	-	0.0000010	-	0.0000050	-	0.0000050	-	0.0000014	-	0.0000069	-	0.0000049	-	0.0000020	-	0.000011	-	0.000018	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercurv	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7 - Standard Humidity Cell MRARD10-030

Analyte	Unit	Wk#51 09-May-12	Wk#52 16-May-12	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 #####	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12	Wk#64 08-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	983	973	998	969	960	938	955	948	950	947	952	970	946	935
pH	no unit	6.2	6.34	5.92	5.82	6.03	6.17	6.29	6.47	5.92	5.99	5.98	6.09	5.92	6.15
Alkalinity	mg/kg/wk as CaCO ₃	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	2.0	1.9	2.0	1.9	2.9	1.9	1.9	1.9	1.9	1.9	3.8	1.9	1.9	1.9
Conductivity	uS/cm	19	14	9.0	8.0	11	8.0	28	10	13	12	9.0	9.0	9.0	13
Sulphate	mg/kg/wk	2.6	2.4	2.4	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	2.1	2.1	2.2
Silver	mg/kg/wk	0.0000098	-	0.000010	-	0.000096	-	0.000096	-	0.000095	-	0.000095	-	0.000095	-
Aluminum	mg/kg/wk	0.0098	-	0.010	-	0.0096	-	0.0096	-	0.0095	-	0.0095	-	0.0095	-
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-
Barium	mg/kg/wk	0.0014	-	0.0014	-	0.0012	-	0.0011	-	0.0012	-	0.0013	-	0.0016	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-
Boron	mg/kg/wk	0.0011	-	0.00070	-	0.00077	-	0.00057	-	0.00048	-	0.00086	-	0.00028	-
Bismuth	mg/kg/wk	0.0000098	-	0.000010	-	0.000096	-	0.000096	-	0.000095	-	0.000095	-	0.000095	-
Calcium	mg/kg/wk	0.18	-	0.18	-	0.12	-	0.12	-	0.14	-	0.13	-	0.13	-
Cadmium	mg/kg/wk	0.0000029	-	0.0000030	-	0.000029	-	0.000029	-	0.0000029	-	0.000029	-	0.0000028	-
Cobalt	mg/kg/wk	0.00046	-	0.00072	-	0.00055	-	0.00036	-	0.00013	-	0.00034	-	0.00026	-
Chromium	mg/kg/wk	0.00049	-	0.00050	-	0.00048	-	0.00048	-	0.00048	-	0.00048	-	0.00047	-
Copper	mg/kg/wk	0.00088	-	0.00140	-	0.0014	-	0.00096	-	0.00048	-	0.00095	-	0.00076	-
Iron	mg/kg/wk	0.0029	-	0.0030	-	0.0029	-	0.0029	-	0.0029	-	0.0029	-	0.0028	-
Potassium	mg/kg/wk	0.91	-	0.90	-	0.84	-	0.80	-	0.78	-	0.72	-	0.75	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.00095	-	0.00095	-	0.00095	-
Magnesium	mg/kg/wk	0.43	-	0.46	-	0.40	-	0.39	-	0.37	-	0.37	-	0.38	-
Manganese	mg/kg/wk	0.0084	-	0.0089	-	0.0082	-	0.0080	-	0.0072	-	0.0074	-	0.0078	-
Molybdenum	mg/kg/wk	0.000079	-	0.000060	-	0.000058	-	0.000048	-	0.000057	-	0.000048	-	0.00019	-
Sodium	mg/kg/wk	0.029	-	0.020	-	0.019	-	0.029	-	0.029	-	0.019	-	0.019	-
Nickel	mg/kg/wk	0.0048	-	0.0075	-	0.0060	-	0.0036	-	0.00019	-	0.0037	-	0.0024	-
Phosphorus	mg/kg/wk	0.0088	-	0.0090	-	0.0086	-	0.0086	-	0.0086	-	0.0086	-	0.0085	-
Lead	mg/kg/wk	0.000039	-	0.000020	-	0.000038	-	0.000019	-	0.000019	-	0.000038	-	0.000019	-
Antimony	mg/kg/wk	0.00020	-	0.00030	-	0.00019	-	0.00019	-	0.00048	-	0.00029	-	0.00038	-
Selenium	mg/kg/wk	0.00098	-	0.0010	-	0.00096	-	0.00096	-	0.00038	-	0.00038	-	0.00038	-
Silicon	mg/kg/wk	0.34	-	0.38	-	0.32	-	0.27	-	0.29	-	0.27	-	0.27	-
Tin	mg/kg/wk	0.00025	-	0.00036	-	0.00026	-	0.00067	-	0.00086	-	0.00076	-	0.000095	-
Strontium	mg/kg/wk	0.0015	-	0.0015	-	0.0012	-	0.0011	-	0.0012	-	0.0012	-	0.0010	-
Titanium	mg/kg/wk	0.000098	-	0.00010	-	0.000096	-	0.000096	-	0.000095	-	0.000095	-	0.000095	-
Thallium	mg/kg/wk	0.000029	-	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000029	-	0.000028	-
Uranium	mg/kg/wk	0.000039	-	0.000045	-	0.000035	-	0.000057	-	0.000011	-	0.000041	-	0.000079	-
Vanadium	mg/kg/wk	0.000059	-	0.000060	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000028	-
Tungsten	mg/kg/wk	0.000029	-	0.000030	-	0.000029	-	0.000029	-	0.000143	-	0.000029	-	0.000028	-
Yttrium	mg/kg/wk	0.000088	-	0.000090	-	0.000067	-	0.000011	-	0.0000095	-	0.000057	-	0.0000038	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	0.0000095	-	0.0000095	-	0.0000095	-

Table 7 - Standard Humidity Cell MRARD10-030

Analyte	Unit	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	897	908	983	949	978	991	974	977	962	946	953	959	988	951	982
pH	no unit	5.78	5.71	5.51	6.04	5.88	5.67	5.98	5.83	5.89	5.82	5.65	6.03	4.9	5.79	5.69
Alkalinity	mg/kg/wk as CaCO ₃	1.8	1.8	2.0	1.9	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.0
Acidity	mg/kg/wk as CaCO ₃	1.8	5.4	2.0	1.9	2.0	2.0	2.9	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.0
Conductivity	uS/cm	8.0	9.0	16	7.0	14	8.0	12	15	13	13	11	15	12	13	8.0
Sulphate	mg/kg/wk	2.0	2.0	2.4	2.3	2.1	2.2	2.4	2.5	2.2	7.4	2.4	3.7	2.4	2.2	2.5
Silver	mg/kg/wk	0.000090	-	0.000098	-	0.000098	-	0.000097	-	0.000096	-	0.000095	-	0.000030	-	0.000098
Aluminum	mg/kg/wk	0.0179	-	0.0098	-	0.0098	-	0.029	-	0.0096	-	0.0095	-	0.0099	-	0.0098
Arsenic	mg/kg/wk	0.00018	-	0.00020	-	0.00020	-	0.00019	-	0.00019	-	0.00019	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.0010	-	0.0011	-	0.0011	-	0.0014	-	0.0015	-	0.0012	-	0.0012	-	0.0013
Beryllium	mg/kg/wk	0.000018	-	0.000020	-	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.00054	-	0.00039	-	0.00078	-	0.00068	-	0.00067	-	0.00076	-	0.00020	-	0.00059
Bismuth	mg/kg/wk	0.000090	-	0.000098	-	0.000098	-	0.000097	-	0.000096	-	0.000095	-	0.000099	-	0.000098
Calcium	mg/kg/wk	0.13	-	0.15	-	0.13	-	0.20	-	0.13	-	0.16	-	0.14	-	0.17
Cadmium	mg/kg/wk	0.000027	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000038	-	0.000030	-	0.000029
Cobalt	mg/kg/wk	0.00026	-	0.00025	-	0.00035	-	0.00034	-	0.00033	-	0.00017	-	0.00018	-	0.00022
Chromium	mg/kg/wk	0.00045	-	0.00049	-	0.00049	-	0.00049	-	0.00048	-	0.00048	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00063	-	0.00059	-	0.00059	-	0.00127	-	0.00077	-	0.00048	-	0.00049	-	0.00049
Iron	mg/kg/wk	0.0027	-	0.0029	-	0.0029	-	0.0029	-	0.0029	-	0.0029	-	0.0030	-	0.0029
Potassium	mg/kg/wk	0.69	-	0.74	-	0.73	-	0.75	-	0.75	-	0.72	-	0.70	-	0.80
Lithium	mg/kg/wk	0.00090	-	0.00098	-	0.00098	-	0.00097	-	0.00096	-	0.00095	-	0.00099	-	0.00098
Magnesium	mg/kg/wk	0.36	-	0.40	-	0.38	-	0.36	-	0.39	-	0.41	-	0.37	-	0.44
Manganese	mg/kg/wk	0.0072	-	0.0079	-	0.0081	-	0.0080	-	0.0092	-	0.0096	-	0.0086	-	0.0097
Molybdenum	mg/kg/wk	0.000018	-	0.000039	-	0.000020	-	0.000029	-	0.000048	-	0.000010	-	0.000030	-	0.000039
Sodium	mg/kg/wk	0.018	-	0.020	-	0.020	-	0.019	-	0.019	-	0.038	-	0.020	-	0.020
Nickel	mg/kg/wk	0.0024	-	0.0017	-	0.0002	-	0.0032	-	0.0028	-	0.00038	-	0.00030	-	0.0010
Phosphorus	mg/kg/wk	0.0081	-	0.0088	-	0.0088	-	0.0088	-	0.0087	-	0.0086	-	0.0089	-	0.0088
Lead	mg/kg/wk	0.000027	-	0.000020	-	0.000020	-	0.000039	-	0.000019	-	0.000048	-	0.000020	-	0.000029
Antimony	mg/kg/wk	0.00018	-	0.00039	-	0.00039	-	0.00019	-	0.00048	-	0.00038	-	0.00020	-	0.00049
Selenium	mg/kg/wk	0.00023	-	0.00013	-	0.000039	-	0.00012	-	0.000038	-	0.00014	-	0.000040	-	0.000039
Silicon	mg/kg/wk	0.22	-	0.28	-	0.27	-	0.29	-	0.31	-	0.27	-	0.31	-	0.29
Tin	mg/kg/wk	0.000090	-	0.000069	-	0.00013	-	0.000058	-	0.00018	-	0.000076	-	0.000099	-	0.000069
Strontium	mg/kg/wk	0.0011	-	0.0014	-	0.0013	-	0.0014	-	0.0013	-	0.0012	-	0.0016	-	0.0014
Titanium	mg/kg/wk	0.000090	-	0.000098	-	0.000098	-	0.000097	-	0.000096	-	0.000095	-	0.000099	-	0.000098
Thallium	mg/kg/wk	0.000018	-	0.000039	-	0.000020	-	0.000029	-	0.000029	-	0.000019	-	0.000020	-	0.000029
Uranium	mg/kg/wk	0.000096	-	0.000025	-	0.000029	-	0.000125	-	0.000069	-	0.000036	-	0.000022	-	0.000067
Vanadium	mg/kg/wk	0.000027	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000030	-	0.000029
Tungsten	mg/kg/wk	0.000027	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000030	-	0.000029
Yttrium	mg/kg/wk	0.000022	-	0.000020	-	0.000068	-	0.000024	-	0.000012	-	0.000029	-	0.000012	-	0.000059
Zinc	mg/kg/wk	0.0018	-	0.0020	-	0.0020	-	0.0029	-	0.0019	-	0.0019	-	0.0020	-	0.0020
Mercury	mg/kg/wk	0.000090	-	0.000098	-	0.000098	-	0.000097	-	0.000096	-	0.000095	-	0.000020	-	0.000020

Analyte	Unit	Wk#0 18/May/11	Wk#1 25/May/11	Wk#2 1/June/11	Wk#3 8/June/11	Wk#4 15/June/11	Wk#5 22-Jun-11	Wk#6 29-Jun-11	Wk#7 06-Jul-11	Wk#8 13/Jul/11	Wk# 9 20/Jul/11	Wk#10 27/Jul/11	Wk#11 3/Aug/11	Wk#12 10/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	785	919	960	875	937	877	868	891	876	857	861	877	864
pH	no unit	6.52	6.24	6.89	6.93	6.12	6.25	6.12	6.05	5.97	6.06	6.07	5.84	6.22
Alkalinity	mg/kg/wk as CaCO ₃	1.6	4.6	1.9	1.8	1.9	1.8	1.7	1.8	1.8	1.7	1.7	1.8	1.7
Acidity	mg/kg/wk as CaCO ₃	1.6	1.8	1.9	3.5	4.7	7.9	3.5	2.7	2.6	2.6	3.4	2.6	2.6
Conductivity	uS/cm	94	131	118	54	92	12	35	21	24	20	22	18	19
Sulphate	mg/kg/wk	13	33	22	11	18	25	4.5	5.0	6.6	4.5	4.0	4.3	4.1
Silver	mg/kg/wk	0.000079	0.000092	0.000096	0.000088	0.000094	0.000088	-	0.000089	-	0.000086	-	0.000088	-
Aluminum	mg/kg/wk	0.0079	0.0092	0.0096	0.0088	0.0094	0.0088	-	0.0089	-	0.0086	-	0.0088	-
Arsenic	mg/kg/wk	0.00079	0.0015	0.0012	0.00061	0.00094	0.00061	-	0.00018	-	0.00026	-	0.00044	-
Barium	mg/kg/wk	0.0022	0.0054	0.0046	0.0020	0.0033	0.0041	-	0.00094	-	0.00091	-	0.00082	-
Beryllium	mg/kg/wk	0.000016	0.000018	0.000019	0.000018	0.000019	0.000018	-	0.000018	-	0.000017	-	0.000018	-
Boron	mg/kg/wk	0.0022	0.0080	0.0049	0.0040	0.0048	0.0047	-	0.0028	-	0.0014	-	0.0011	-
Bismuth	mg/kg/wk	0.000079	0.000092	0.000096	0.000088	0.000094	0.000088	-	0.000089	-	0.000086	-	0.000088	-
Calcium	mg/kg/wk	5.2	13	8.9	2.8	5.7	7.8	-	1.1	-	1.0	-	0.80	-
Cadmium	mg/kg/wk	0.00016	0.00025	0.00044	0.00024	0.00060	0.00069	-	0.00018	-	0.00025	-	0.00037	-
Cobalt	mg/kg/wk	0.014	0.014	0.026	0.029	0.034	0.055	-	0.019	-	0.027	-	0.037	-
Chromium	mg/kg/wk	0.00039	0.00046	0.00048	0.00044	0.00047	0.00044	-	0.00045	-	0.00043	-	0.00044	-
Copper	mg/kg/wk	0.00039	0.00046	0.00048	0.00044	0.00047	0.00044	-	0.00045	-	0.00043	-	0.00044	-
Iron	mg/kg/wk	0.0039	0.0018	0.0038	0.0018	0.0019	0.0035	-	0.0053	-	0.0051	-	0.0061	-
Potassium	mg/kg/wk	8.7	9.6	9.6	9.6	8.7	8.7	-	8.7	-	1.5	-	1.5	-
Lithium	mg/kg/wk	0.0039	0.0064	0.0058	0.0044	0.0056	0.0053	-	0.0027	-	0.0017	-	0.0018	-
Magnesium	mg/kg/wk	1.6	4.5	3.1	1.1	2.2	3.2	-	0.4	-	0.37	-	0.35	-
Manganese	mg/kg/wk	0.037	0.090	0.084	0.050	0.083	0.126	-	0.023	-	0.028	-	0.030	-
Molybdenum	mg/kg/wk	0.15	0.25	0.23	0.18	0.18	0.16	-	0.10	-	0.070	-	0.055	-
Sodium	mg/kg/wk	0.32	0.76	0.58	0.17	0.37	0.47	-	0.045	-	0.026	-	0.0088	-
Nickel	mg/kg/wk	0.11	0.11	0.15	0.11	0.16	0.25	-	0.060	-	0.075	-	0.097	-
Phosphorus	mg/kg/wk	0.0071	0.0083	0.0086	0.0079	0.0084	0.0079	-	0.0080	-	0.0077	-	0.0079	-
Lead	mg/kg/wk	0.000079	0.000046	0.000058	0.000053	0.000037	0.000035	-	0.000036	-	0.000051	-	0.000044	-
Antimony	mg/kg/wk	0.00047	0.00046	0.00038	0.00026	0.00028	0.00018	-	0.00036	-	0.00026	-	0.00026	-
Selenium	mg/kg/wk	0.00079	0.00092	0.00096	0.00088	0.00094	0.00088	-	0.00089	-	0.00086	-	0.00088	-
Silicon	mg/kg/wk	0.24	0.35	0.48	0.31	0.50	0.32	-	0.43	-	0.29	-	0.37	-
Tin	mg/kg/wk	0.0012	0.00094	0.00071	0.00022	0.00045	0.00025	-	0.00022	-	0.00018	-	0.00011	-
Strontium	mg/kg/wk	0.038	0.099	0.071	0.024	0.047	0.067	-	0.010	-	0.0094	-	0.0087	-
Titanium	mg/kg/wk	0.000236	0.00055	0.00019	0.00061	0.00019	0.00018	-	0.00080	-	0.00051	-	0.00061	-
Thallium	mg/kg/wk	0.00039	0.00057	0.00064	0.00029	0.00053	0.00046	-	0.00020	-	0.00019	-	0.00017	-
Uranium	mg/kg/wk	0.000013	0.000017	0.000017	0.000010	0.000014	0.000014	-	0.000010	-	0.000008	-	0.000010	-
Vanadium	mg/kg/wk	0.000094	0.00035	0.00023	0.000070	0.00021	0.000016	-	0.000045	-	0.000034	-	0.000026	-
Tungsten	mg/kg/wk	0.000094	0.000175	0.00017	0.000026	0.000028	0.000035	-	0.000036	-	0.000026	-	0.000026	-
Yttrium	mg/kg/wk	0.000055	0.000010	0.000067	0.000012	0.000094	0.000013	-	0.000036	-	0.000051	-	0.000070	-
Zinc	mg/kg/wk	0.011	0.0074	0.012	0.018	0.017	0.034	-	0.020	-	0.036	-	0.060	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11	Wk#31 21-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	880	870	855	888	993	987	1009	991	990	995	985	991	986	1000	976	982	985	990	985
pH	no unit	6.26	5.94	6.05	5.96	6.17	6.22	6.39	5.95	5.79	6.32	5.92	5.93	6.16	5.86	6.14	6.22	5.96	5.88	5.89
Alkalinity	mg/kg/wk as CaCO ₃	1.8	1.7	1.7	1.8	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.6	2.6	2.6	1.8	128	3.9	1.9	2.0	5.0	3.0	3.0	3.9	3.0	4.9	4.0	2.0	2.9	2.0	4.0
Conductivity	uS/cm	16	16	16	15	24	4	13	13	16	14	7.0	4.0	0.0	16	22	11	12	11	16
Sulphate	mg/kg/wk	3.7	3.8	3.4	3.9	7.2	5.1	3.6	3.4	4.0	3.5	3.6	3.6	4.0	4.8	4.9	2.5	4.2	3.9	4.7
Silver	mg/kg/wk	0.000088	-	0.000086	-	0.000099	-	0.000097	-	0.000099	-	0.000010	-	0.000099	-	0.000010	-	0.000098	-	0.000099
Aluminum	mg/kg/wk	0.0088	-	0.0086	-	0.0099	-	0.0097	-	0.0099	-	0.010	-	0.0099	-	0.030	-	0.0098	-	0.0099
Arsenic	mg/kg/wk	0.00035	-	0.00034	-	0.00040	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.00075	-	0.00065	-	0.0015	-	0.0010	-	0.0013	-	0.0014	-	0.0017	-	0.0023	-	0.0022	-	0.0029
Beryllium	mg/kg/wk	0.000018	-	0.000017	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0011	-	0.00086	-	0.0021	-	0.0012	-	0.0013	-	0.00080	-	0.00079	-	0.0010	-	0.00020	-	0.0011
Bismuth	mg/kg/wk	0.0000088	-	0.0000086	-	0.0000099	-	0.0000097	-	0.0000099	-	0.000010	-	0.0000099	-	0.000010	-	0.000098	-	0.0000098
Calcium	mg/kg/wk	0.71	-	0.62	-	1.5	-	0.79	-	0.65	-	0.53	-	0.59	-	0.62	-	0.49	-	0.50
Cadmium	mg/kg/wk	0.00043	-	0.00062	-	0.00155	-	0.0012	-	0.0017	-	0.0018	-	0.0024	-	0.0033	-	0.0032	-	0.0039
Cobalt	mg/kg/wk	0.039	-	0.044	-	0.083	-	0.058	-	0.073	-	0.070	-	0.080	-	0.102	-	0.084	-	0.11
Chromium	mg/kg/wk	0.00044	-	0.00043	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00044	-	0.00043	-	0.00079	-	0.00078	-	0.0011	-	0.0014	-	0.0018	-	0.0024	-	0.0027	-	0.0035
Iron	mg/kg/wk	0.0035	-	0.0026	-	0.0020	-	0.0019	-	0.0020	-	0.0030	-	0.0030	-	0.0030	-	0.0029	-	0.0030
Potassium	mg/kg/wk	1.3	-	1.3	-	1.2	-	1.1	-	1.2	-	0.92	-	0.92	-	0.82	-	0.78	-	0.79</

Analyte	Unit	Wk#32 29-Dec-11	Wk#33 04-Jan-12	Wk#34 11-Jan-12	Wk#35 18-Jan-12	Wk#36 25-Jan-12	Wk#37 01-Feb-12	Wk#38 08-Feb-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 ##-##-##
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	877	988	987	985	988	932	1007	991	994	972	981	999	993	994	991	986	1000	994	983	998	994
pH	no unit	5.59	5.91	5.66	5.94	5.95	5.65	5.73	5.8	5.68	5.76	5.95	5.93	5.66	5.61	5.43	5.76	5.71	5.52	5.3	5.92	5.28
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	6.8	5.9	2.0	3.0	4.9	3.7	4.0	2.0	4.0	4.9	2.0	6.0	4.0	5.0	5.9	3.9	3.0	8.0	4.9	4.0	2.0
Conductivity	uS/cm	17	14	11	12	16	16	11	16	14	15	3	28	15	18	18	18	18	17	18	20	22
Sulphate	mg/kg/wk	5.4	5.2	4.8	5.0	4.4	4.6	4.4	5.4	5.8	4.8	5.1	5.8	7.0	5.4	6.1	5.4	6.0	5.7	6.2	6.3	0.6
Silver	mg/kg/wk	-	0.000099	-	0.000099	-	0.000093	-	0.000099	-	0.000097	-	0.0000100	-	0.000099	-	0.000099	-	0.000099	-	0.000010	-
Aluminum	mg/kg/wk	-	0.009	-	0.009	-	0.003	-	0.009	-	0.0097	-	0.010	-	0.020	-	0.009	-	0.009	-	0.010	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00019	-	0.00030	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.0029	-	0.0030	-	0.0028	-	0.0037	-	0.0039	-	0.0043	-	0.0042	-	0.0046	-	0.0052	-	0.0054	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.00059	-	0.00059	-	0.00065	-	0.00020	-	0.00029	-	0.00050	-	0.00030	-	0.00030	-	0.00070	-	0.00050	-
Bismuth	mg/kg/wk	-	0.000099	-	0.000099	-	0.000093	-	0.000099	-	0.000097	-	0.0000100	-	0.000099	-	0.000099	-	0.000099	-	0.000010	-
Calcium	mg/kg/wk	-	0.47	-	0.40	-	0.34	-	0.37	-	0.32	-	0.36	-	0.32	-	0.30	-	0.27	-	0.27	-
Cadmium	mg/kg/wk	-	0.0046	-	0.0043	-	0.0043	-	0.0055	-	0.0053	-	0.0063	-	0.0066	-	0.0073	-	0.0069	-	0.0078	-
Cobalt	mg/kg/wk	-	0.11	-	0.093	-	0.092	-	0.11	-	0.093	-	0.11	-	0.11	-	0.11	-	0.10	-	0.099	-
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00047	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	-	0.0039	-	0.0042	-	0.0046	-	0.0062	-	0.0057	-	0.0079	-	0.0078	-	0.0095	-	0.011	-	0.014	-
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0028	-	0.0030	-	0.0029	-	0.0030	-	0.0030	-	0.0030	-	0.0040	-	0.0040	-
Potassium	mg/kg/wk	-	0.87	-	0.78	-	0.78	-	0.74	-	0.74	-	0.68	-	0.65	-	0.63	-	0.63	-	0.76	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.00093	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.40	-	0.36	-	0.32	-	0.37	-	0.32	-	0.38	-	0.37	-	0.37	-	0.33	-	0.37	-
Manganese	mg/kg/wk	-	0.041	-	0.037	-	0.032	-	0.036	-	0.031	-	0.033	-	0.035	-	0.030	-	0.029	-	0.028	-
Molybdenum	mg/kg/wk	-	0.014	-	0.011	-	0.009	-	0.010	-	0.0058	-	0.0058	-	0.0051	-	0.0048	-	0.0044	-	0.0049	-
Sodium	mg/kg/wk	-	0.020	-	0.020	-	0.019	-	0.010	-	0.010	-	0.020	-	0.020	-	0.010	-	0.010	-	0.020	-
Nickel	mg/kg/wk	-	0.22	-	0.19	-	0.19	-	0.22	-	0.20	-	0.23	-	0.22	-	0.25	-	0.23	-	0.25	-
Phosphorus	mg/kg/wk	-	0.0089	-	0.0089	-	0.0084	-	0.0089	-	0.0087	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-
Lead	mg/kg/wk	-	0.00012	-	0.00017	-	0.00025	-	0.00022	-	0.00020	-	0.00032	-	0.00040	-	0.00043	-	0.00078	-	0.0013	-
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00019	-	0.00020	-	0.00019	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00093	-	0.00099	-	0.00097	-	0.00100	-	0.00099	-	0.00099	-	0.00099	-	0.00100	-
Silicon	mg/kg/wk	-	0.93	-	0.79	-	0.68	-	0.68	-	0.55	-	0.70	-	0.58	-	0.66	-	0.58	-	0.64	-
Tin	mg/kg/wk	-	0.00015	-	0.00019	-	0.00021	-	0.00017	-	0.00011	-	0.00018	-	0.00012	-	0.00012	-	0.00014	-	0.00021	-
Strontium	mg/kg/wk	-	0.010	-	0.0094	-	0.0082	-	0.0092	-	0.0075	-	0.0089	-	0.0083	-	0.0079	-	0.0069	-	0.0070	-
Titanium	mg/kg/wk	-	0.000099	-	0.000099	-	0.000093	-	0.000099	-	0.000097	-	0.000100	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-
Thallium	mg/kg/wk	-	0.00018	-	0.00018	-	0.00016	-	0.00018	-	0.00012	-	0.00015	-	0.00014	-	0.00016	-	0.00016	-	0.00018	-
Uranium	mg/kg/wk	-	0.00057	-	0.00064	-	0.00057	-	0.00064	-	0.00057	-	0.00065	-	0.00061	-	0.00061	-	0.00061	-	0.0013	-
Vanadium	mg/kg/wk	-	0.000049	-	0.000030	-	0.000037	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000028	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000069	-	0.000011	-	0.000011	-	0.000014	-	0.000015	-	0.000018	-	0.000025	-	0.000029	-	0.000032	-	0.000034	-
Zinc	mg/kg/wk	-	0.97	-	0.96	-	0.97	-	1.2	-	1.2	-	1.5	-	1.6	-	1.7	-	1.6	-	1.9	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 8 - Standard Humidity Cell MRARD10-055

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	992	991	1003	999	998	994	997	990	985	989	982
pH	no unit	5.24	5.89	5.68	5.96	5.71	5.6	5.54	5.44	5.79	5.2	5.53
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	4.0	2.0	4.0	4.0	3.0	2.0	4.0	4.0	2.0	5.9	3.9
Conductivity	uS/cm	17	19	18	26	18	18	22	19	18	19	19
Sulphate	mg/kg/wk	6.0	5.5	5.8	6.5	6.6	5.5	5.8	6.7	6.1	6.5	5.8
Silver	mg/kg/wk	0.0000099	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Aluminum	mg/kg/wk	0.0099	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00049
Barium	mg/kg/wk	0.0053	-	0.0057	-	0.0061	-	0.0064	-	0.0082	-	0.0076
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.00030	-	0.00040	-	0.00030	-	0.00020	-	0.00049	-	0.00020
Bismuth	mg/kg/wk	0.0000099	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Calcium	mg/kg/wk	0.26	-	0.22	-	0.22	-	0.20	-	0.22	-	0.22
Cadmium	mg/kg/wk	0.0074	-	0.0076	-	0.0081	-	0.0074	-	0.0083	-	0.0080
Cobalt	mg/kg/wk	0.095	-	0.085	-	0.080	-	0.076	-	0.080	-	0.071
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.015	-	0.014	-	0.015	-	0.015	-	0.018	-	0.018
Iron	mg/kg/wk	0.0030	-	0.0030	-	0.0030	-	0.0040	-	0.0128	-	0.0039
Potassium	mg/kg/wk	0.67	-	0.67	-	0.65	-	0.58	-	0.59	-	0.60
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.00100	-	0.00099	-	0.00098
Magnesium	mg/kg/wk	0.34	-	0.34	-	0.33	-	0.29	-	0.30	-	0.31
Manganese	mg/kg/wk	0.027	-	0.024	-	0.025	-	0.022	-	0.021	-	0.022
Molybdenum	mg/kg/wk	0.0044	-	0.0038	-	0.0036	-	0.0031	-	0.0029	-	0.0024
Sodium	mg/kg/wk	0.010	-	0.010	-	0.020	-	0.020	-	0.010	-	0.010
Nickel	mg/kg/wk	0.25	-	0.21	-	0.23	-	0.21	-	0.22	-	0.20
Phosphorus	mg/kg/wk	0.0089	-	0.0090	-	0.0090	-	0.0090	-	0.0089	-	0.0088
Lead	mg/kg/wk	0.0014	-	0.0012	-	0.0011	-	0.0011	-	0.0012	-	0.0012
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00050	-	0.00030	-	0.00029
Selenium	mg/kg/wk	0.00099	-	0.0010	-	0.0010	-	0.00010	-	0.00015	-	0.00013
Silicon	mg/kg/wk	0.62	-	0.58	-	0.52	-	0.52	-	0.52	-	0.55
Tin	mg/kg/wk	0.00021	-	0.00015	-	0.00010	-	0.00015	-	0.00016	-	0.00088
Strontium	mg/kg/wk	0.0061	-	0.0057	-	0.0051	-	0.0045	-	0.0051	-	0.0043
Titanium	mg/kg/wk	0.000099	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Thallium	mg/kg/wk	0.00017	-	0.00017	-	0.00018	-	0.00015	-	0.00016	-	0.00014
Uranium	mg/kg/wk	0.0012	-	0.0016	-	0.0014	-	0.0015	-	0.0016	-	0.0016
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000029
Tungsten	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.00012	-	0.000030	-	0.000029
Yttrium	mg/kg/wk	0.000030	-	0.000040	-	0.000046	-	0.000041	-	0.000045	-	0.000045
Zinc	mg/kg/wk	1.8	-	1.8	-	1.9	-	1.7	-	1.9	-	2.0
Mercury	mg/kg/wk	-	-	-	-	-	-	0.000010	-	0.0000099	-	0.0000098

Table 8 - Standard Humidity Cell MRARD10-055

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	974	1000	994	1006	986	996	988	997	981	984	997	995	988	982	997	996
pH	no unit	5.67	5.43	5.73	5.55	5.1	5.37	5.11	5.88	5.5	5.3	5.42	6.17	5.48	5.77	5.38	5.04
Alkalinity	mg/kg/wk as CaCO ₃	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	3.9	3.0	5.0	5.0	4.9	5.0	4.9	9.0	4.9	3.0	3.0	4.0	4.0	3.9	4.0	5.0
Conductivity	uS/cm	20	17	20	18	22	37	17	28	23	21	23	21	19	20	23	22
Sulphate	mg/kg/wk	5.6	6.0	5.4	8.7	6.3	5.2	5.5	5.8	7.3	5.3	5.6	7.0	9.1	5.9	6.8	6.9
Silver	mg/kg/wk	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000020	-	0.000010
Aluminum	mg/kg/wk	-	0.020	-	0.010	-	0.010	-	0.010	-	0.020	-	0.020	-	0.010	-	0.020
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.0065	-	0.0083	-	0.0079	-	0.0080	-	0.0085	-	0.011	-	0.010	-	0.013
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.00040	-	0.00020	-	0.00050	-	0.00030	-	0.00030	-	0.00050	-	0.00020	-	0.00020
Bismuth	mg/kg/wk	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Calcium	mg/kg/wk	-	0.22	-	0.22	-	0.20	-	0.19	-	0.18	-	0.24	-	0.20	-	0.24
Cadmium	mg/kg/wk	-	0.0068	-	0.0078	-	0.0074	-	0.0070	-	0.0076	-	0.0091	-	0.0076	-	0.0089
Cobalt	mg/kg/wk	-	0.054	-	0.069	-	0.059	-	0.056	-	0.054	-	0.066	-	0.055	-	0.056
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	-	0.017	-	0.022	-	0.022	-	0.022	-	0.024	-	0.031	-	0.028	-	0.034
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0060	-	0.0030	-	0.0059	-	0.0050	-	0.0069	-	0.0100
Potassium	mg/kg/wk	-	0.58	-	0.59	-	0.54	-	0.55	-	0.53	-	0.56	-	0.51	-	0.58
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.00098	-	0.0010	-	0.00098	-	0.0010
Magnesium	mg/kg/wk	-	0.29	-	0.30	-	0.27	-	0.25	-	0.26	-	0.33	-	0.29	-	0.34
Manganese	mg/kg/wk	-	0.017	-	0.019	-	0.017	-	0.016	-	0.017	-	0.021	-	0.017	-	0.020
Molybdenum	mg/kg/wk	-	0.0017	-	0.0026	-	0.0022	-	0.0019	-	0.0020	-	0.0019	-	0.0017	-	0.0016
Sodium	mg/kg/wk	-	0.020	-	0.010	-	0.010	-	0.100	-	0.010	-	0.020	-	0.020	-	0.020
Nickel	mg/kg/wk	-	0.17	-	0.20	-	0.17	-	0.16	-	0.16	-	0.20	-	0.16	-	0.17
Phosphorus	mg/kg/wk	-	0.0090	-	0.0091	-	0.0090	-	0.0090	-	0.0089	-	0.0090	-	0.0088	-	0.0090
Lead	mg/kg/wk	-	0.0010	-	0.0015	-	0.0013	-	0.0013	-	0.0015	-	0.0024	-	0.0022	-	0.0027
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00030	-	0.00030	-	0.00039	-	0.00070	-	0.00020	-	0.00050
Selenium	mg/kg/wk	-	0.00027	-	0.00026	-	0.00014	-	0.00019	-	0.00011	-	0.00022	-	0.00012	-	0.00017
Silicon	mg/kg/wk	-	0.54	-	0.51	-	0.49	-	0.48	-	0.47	-	0.55	-	0.47	-	0.52
Tin	mg/kg/wk	-	0.00014	-	0.00014	-	0.00016	-	0.00011	-	0.00020	-	0.00019	-	0.00015	-	0.00018
Strontium	mg/kg/wk	-	0.0035	-	0.0037	-	0.0030	-	0.0026	-	0.0028	-	0.0028	-	0.0023	-	0.0023
Titanium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Thallium	mg/kg/wk	-	0.00015	-	0.00018	-	0.00016	-	0.00018	-	0.00017	-	0.00018	-	0.00016	-	0.00018
Uranium	mg/kg/wk	-	0.0016	-	0.0024	-	0.0021	-	0.0021	-	0.0025	-	0.0032	-	0.0030	-	0.0036
Vanadium	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000118	-	0.000030	-	0.000029	-	0.000030
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000029	-	0.000030
Yttrium	mg/kg/wk	-	0.000055	-	0.000062	-	0.000049	-	0.000049	-	0.000063	-	0.000083	-	0.000084	-	0.00010
Zinc	mg/kg/wk	-	1.9	-	2.0	-	1.8	-	1.7	-	1.7	-	2.1	-	1.9	-	2.1
Mercury	mg/kg/wk	-	0.0000100	-	0.0000101	-	0.0000100	-	0.0000100	-	0.0000098	-	0.0000100	-	0.0000196	-	0.0000199

Analyte	Unit	Wk#0 18/May/11	Wk#1 25/May/11	Wk#2 1/Jun/11	Wk#3 8/Jun/11	Wk#4 15/Jun/11	Wk#5 22-Jun-11	Wk#6 29-Jun-11	Wk#7 06-Jul-11	Wk#8 13/Jul/11	Wk# 9 20/Jul/11	Wk#10 27/Jul/11	Wk#11 3/Aug/11	Wk#12 10/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	746	969	964	972	944	993	964	970	956	981	944	959	960
pH	no unit	6.27	6.26	6.14	6.04	6.02	6.01	6.13	6.15	6.01	5.98	6.01	6.3	5.95
Alkalinity	mg/kg/wk as CaCO ₃	1.5	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	1.5	6.8	1.9	3.9	5.7	5.0	3.9	2.9	2.9	3.9	1.9	1.9	2.9
Conductivity	uS/cm	493	618	604	317	547	425	274	242	177	193	144	124	80
Sulphate	mg/kg/wk	112	271	202	117	198	169	106	92	75	70	50	45	33
Silver	mg/kg/wk	0.0000075	0.0000097	0.0000096	0.0000097	0.0000094	0.0000099	-	0.0000097	-	0.0000098	-	0.0000096	-
Aluminum	mg/kg/wk	0.0075	0.0097	0.0096	0.0097	0.0094	0.0099	-	0.0097	-	0.0098	-	0.0096	-
Arsenic	mg/kg/wk	0.00052	0.00126	0.00087	0.00039	0.00076	0.00040	-	0.00019	-	0.00020	-	0.00019	-
Barium	mg/kg/wk	0.015	0.013	0.009	0.006	0.007	0.008	-	0.005	-	0.005	-	0.004	-
Beryllium	mg/kg/wk	0.000015	0.000019	0.000019	0.000019	0.000019	0.000020	-	0.000019	-	0.000020	-	0.000019	-
Boron	mg/kg/wk	0.0075	0.017	0.013	0.011	0.014	0.012	-	0.010	-	0.0096	-	0.0079	-
Bismuth	mg/kg/wk	0.0000075	0.0000097	0.0000096	0.0000097	0.0000094	0.0000099	-	0.0000097	-	0.0000098	-	0.0000096	-
Calcium	mg/kg/wk	20	46	38	19	32	28	-	16	-	12	-	8	-
Cadmium	mg/kg/wk	0.000016	0.000034	0.000028	0.000013	0.000036	0.000016	-	0.000010	-	0.000007	-	0.000004	-
Cobalt	mg/kg/wk	0.0023	0.0052	0.0027	0.0024	0.0024	0.0061	-	0.0039	-	0.0038	-	0.0038	-
Chromium	mg/kg/wk	0.00037	0.00048	0.00048	0.00049	0.00047	0.00050	-	0.0004	-	0.00048	-	0.00048	-
Copper	mg/kg/wk	0.0048	0.0021	0.0018	0.0013	0.0014	0.0015	-	0.0013	-	0.0010	-	0.0010	-
Iron	mg/kg/wk	0.0082	0.0019	0.0067	0.0019	0.0038	0.0030	-	0.0029	-	0.0039	-	0.0019	-
Potassium	mg/kg/wk	4.5	8.0	6.9	4.3	6.2	5.5	-	3.8	-	3.2	-	2.8	-
Lithium	mg/kg/wk	0.0090	0.0155	0.0125	0.0078	0.0113	0.0099	-	0.0068	-	0.0059	-	0.0048	-
Magnesium	mg/kg/wk	28	62	48	21	37	31	-	16	-	11	-	6.6	-
Manganese	mg/kg/wk	1.1	2.9	2.2	1.2	1.9	1.6	-	0.9	-	0.7	-	0.4	-
Molybdenum	mg/kg/wk	0.0048	0.0095	0.0070	0.0042	0.0067	0.0051	-	0.0040	-	0.0024	-	0.0029	-
Sodium	mg/kg/wk	0.77	1.55	1.13	0.39	0.80	0.61	-	0.25	-	0.18	-	0.10	-
Nickel	mg/kg/wk	0.0063	0.0095	0.0073	0.0042	0.0069	0.0062	-	0.0040	-	0.0036	-	0.0034	-
Phosphorus	mg/kg/wk	0.0067	0.0591	0.0251	0.0087	0.0085	0.0089	-	0.0087	-	0.0137	-	0.0105	-
Lead	mg/kg/wk	0.000015	0.000019	0.000019	0.000019	0.000019	0.000020	-	0.000019	-	0.000020	-	0.000019	-
Antimony	mg/kg/wk	0.00030	0.00019	0.00019	0.00019	0.00019	0.00020	-	0.00029	-	0.00020	-	0.00019	-
Selenium	mg/kg/wk	0.0022	0.0078	0.0039	0.0028	0.0020	0.0020	-	0.0010	-	0.0010	-	0.0010	-
Silicon	mg/kg/wk	0.32	0.55	0.53	0.47	0.59	0.56	-	0.52	-	0.59	-	0.80	-
Tin	mg/kg/wk	0.00038	0.00058	0.00029	0.00011	0.00021	0.00016	-	0.00012	-	0.00008	-	0.00007	-
Strontium	mg/kg/wk	0.12	0.29	0.23	0.13	0.15	0.14	-	0.14	-	0.09	-	0.07	-
Titanium	mg/kg/wk	0.000075	0.000097	0.000096	0.000097	0.000094	0.000099	-	0.000679	-	0.000098	-	0.000192	-
Thallium	mg/kg/wk	0.00015	0.00008	0.00007	0.00005	0.00006	0.00006	-	0.00005	-	0.00005	-	0.00005	-
Uranium	mg/kg/wk	0.000022	0.000032	0.000026	0.000025	0.000020	0.000018	-	0.000026	-	0.000018	-	0.000017	-
Vanadium	mg/kg/wk	0.000022	0.000853	0.000530	0.000068	0.000519	0.000218	-	0.000029	-	0.000029	-	0.000029	-
Tungsten	mg/kg/wk	0.00002	0.00007	0.00011	0.00003	0.00003	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	0.000034	0.000056	0.000051	0.000027	0.000038	0.000035	-	0.000021	-	0.000015	-	0.000012	-
Zinc	mg/kg/wk	0.0015	0.0019	0.0019	0.0019	0.0019	0.0020	-	0.0019	-	0.0020	-	0.0029	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11	Wk#31 21-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	938	961	948	958	943	960	950	993	986	973	970	976	970	980	973	962	960	990	948
	mg unit	5.3	5.82	5.92	5.89	5.98	5.93	6.04	5.97	5.8	5.87	5.88	5.57	5.9	5.88	5.89	5.75	5.89	5.89	5.85
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	1.9	2.9	1.9	1.9	74.5	1.9	3.8	2.0	1.9	1.9	1.9	3.8	2.0	2.8	4.9	1.9	4.8	1.9	2.8
Conductivity	uS/cm	77	57	66	58	51	41	40	48	41	42	32	43	28	31	39	30	44	31	40
Sulphate	mg/kg/wk	26	23	22	18	15	17	16	19	14	15	14	13	16	13	14	12	13	13	12
Silver	mg/kg/wk	0.000094	-	0.000095	-	0.000094	-	0.000095	-	0.000096	-	0.000097	-	0.000098	-	0.000097	-	0.000096	-	0.000095
Aluminum	mg/kg/wk	0.0094	-	0.0095	-	0.0094	-	0.0095	-	0.0096	-	0.0097	-	0.0098	-	0.0097	-	0.0096	-	0.0095
Arsenic	mg/kg/wk	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00020	-	0.00019	-	0.00019	-	0.00019
Barium	mg/kg/wk	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.005	-	0.005	-	0.005	-	0.004
Beryllium	mg/kg/wk	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000019
Boron	mg/kg/wk	0.0071	-	0.0065	-	0.0058	-	0.0057	-	0.0058	-	0.0051	-	0.0064	-	0.0053	-	0.0040	-	0.0050
Bismuth	mg/kg/wk	0.000094	-	0.000095	-	0.000094	-	0.000095	-	0.000096	-	0.000097	-	0.000098	-	0.000097	-	0.000096	-	0.000095
Calcium	mg/kg/wk	5	-	4	-	3	-	3	-	2	-	2	-	3	-	2	-	2	-	2
Cadmium	mg/kg/wk	0.000003	-	0.000003	-	0.000003	-	0.000007	-	0.000003	-	0.000007	-	0.000003	-	0.000009	-	0.000020	-	0.000024
Cobalt	mg/kg/wk	0.0019	-	0.0019	-	0.0020	-	0.0020	-	0.0018	-	0.0022	-	0.0023	-	0.0025	-	0.0027	-	0.0033
Chromium	mg/kg/wk	0.00047	-	0.00047	-	0.00047	-	0.00048	-	0.00048	-	0.00049	-	0.00049	-	0.00049	-	0.00048	-	0.00047
Copper	mg/kg/wk	0.0008	-	0.0007	-	0.0007	-	0.0009	-	0.0008	-	0.0009	-	0.0011	-	0.0010	-	0.0013	-	0.0014
Iron	mg/kg/wk	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0029	-	0.0029	-	0.0029	-	0.0029	-	0.0047
Potassium	mg/kg/wk	2.4	-	2.4	-	2.0	-	1.8	-	1.8	-	1.8	-	1.8	-	1.4	-	1.4	-	1.4
Lithium	mg/kg/wk	0.0038	-	0.0038	-	0.0038	-	0.0038	-	0.0038	-	0.0039	-	0.0039	-	0.0039	-	0.0038	-	0.0038
Magnesium	mg/kg/wk	4.0	-	2.9	-	2.0	-	2.2	-	1.8	-	1.7	-	2.0	-	1.8	-	1.7	-	1.8
Manganese	mg/kg/wk	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2
Molybdenum	mg/kg/wk	0.0017	-	0.0014	-	0.0019	-	0.0023	-	0.0027	-	0.0003	-	0.0005	-	0.0004	-	0.0004	-	0.0003
Sodium	mg/kg/wk	0.09	-	0.06	-	0.04	-	0.05	-	0.04	-	0.04	-	0.05	-	0.04	-	0.04	-	0.03
Nickel	mg/kg/wk	0.0023	-	0.0025	-	0.0027	-	0.0026	-	0.0023	-	0.0031	-	0.0030	-	0.0036	-	0.0042	-	0.0052
Phosphorus	mg/kg/wk	0.0084	-	0.0085	-	0.0085	-	0.0086	-	0.0086	-	0.0087	-	0.0088	-	0.0088	-	0.0087	-	0.0085
Lead	mg/kg/wk	0.000056	-	0.000085	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000019
Antimony	mg/kg/wk	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00029	-	0.00029	-	0.00020	-	0.00019	-	0.00019	-	0.00019
Selenium	mg/kg/wk	0.0009	-	0.0009	-	0.0009	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0009
Silicon	mg/kg/wk	0.57	-	0.57	-	0.50	-	0.62	-	0.62	-	0.61	-	0.79	-	0.63	-	0.58	-	0.61
Tin	mg/kg/wk	0.00004	-	0.00002	-	0.00006	-	0.00003	-	0.00003	-	0.00001	-	0.00004	-	0.00001	-	0.00004	-	0.00005
Strontium	mg/kg/wk	0.02	-	0.02	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01
Titanium	mg/kg/wk	0.000094	-	0.000095	-	0.000189	-	0.000095	-	0.000096	-	0.000097	-	0.000098	-	0.000097	-	0.000096	-	0.000095
Thallium	mg/kg/wk	0.00003	-	0.00004	-	0.00003	-	0.00003	-	0.00003	-	0.00002	-	0.00003	-	0.00003	-	0.00004	-	0.00003
Uranium	mg/kg/wk	0.000015	-	0.000017	-	0.000025	-	0.000037	-	0.000017	-	0.000019	-	0.000026	-	0.000022	-	0.000022	-	0.000042
Vanadium	mg/kg/wk	0.000023	-	0.000028	-	0.000028	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000028
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00004	-	0.00003	-	0.00003	-	0.00003	-	0.00020	-	0.00003
Yttrium	mg/kg/wk	0.000005	-	0.000003	-	0.000003	-	0.000003	-	0.000006	-	0.000001	-	0.000003	-	0.000001	-	0.000003	-	0.000003
Zinc	mg/kg/wk	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#32 29-Dec-11	Wk#33 04-Jan-12	Wk#34 11-Jan-12	Wk#35 18-Jan-12	Wk#36 25-Jan-12	Wk#37 01-Feb-12	Wk#38 08-Feb-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 #####
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	943	955	943	943	961	962	968	986	975	983	939	936	925	918	920	943	920	943	997	1005	1005
	no unit	6.27	5.67	5.73	5.83	5.75	5.65	6.22	5.69	5.69	5.63	5.67	5.39	5.74	5.63	6.27	5.16	5.45	5.54	5.17	5.67	5.81
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.9	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.0	2.9	3.8	1.9	1.9	3.7	2.8	6.8	1.8	2.8	3.0	2.0
Conductivity	uS/cm	41	38	41	5	42	42	34	6	43	40	43	148	30	38	40	43	45	32	42	45	44
Sulphate	mg/kg/wk	13	12	21	13	13	13	15	15	15	15	13	11	12	12	13	15	16	12	14	16	14
Silver	mg/kg/wk	-	0.0000096	-	0.0000095	-	0.0000095	-	0.0000097	-	0.000010	-	0.000009	-	0.0000093	-	0.0000092	-	0.0000092	-	0.0000100	-
Aluminum	mg/kg/wk	-	0.0096	-	0.0095	-	0.0095	-	0.0097	-	0.0098	-	0.0094	-	0.0187	-	0.0092	-	0.0092	-	0.0100	-
Arsenic	mg/kg/wk	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00018	-	0.00018	-	0.00020	-
Barium	mg/kg/wk	-	0.004	-	0.005	-	0.004	-	0.005	-	0.006	-	0.004	-	0.004	-	0.004	-	0.004	-	0.006	-
Beryllium	mg/kg/wk	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000018	-	0.000018	-	0.000020	-
Boron	mg/kg/wk	-	0.0043	-	0.0044	-	0.0045	-	0.0049	-	0.0043	-	0.0036	-	0.0027	-	0.0036	-	0.0036	-	0.0049	-
Bismuth	mg/kg/wk	-	0.0000096	-	0.0000095	-	0.0000095	-	0.0000097	-	0.000010	-	0.000009	-	0.0000093	-	0.0000092	-	0.0000092	-	0.0000100	-
Calcium	mg/kg/wk	-	2	-	2	-	2	-	3	-	2	-	2	-	2	-	2	-	2	-	2	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000014	-	0.000024	-	0.000043	-	0.000028	-	0.000018	-	0.000011	-	0.000031	-	0.000029	-	0.000026	-
Cobalt	mg/kg/wk	-	0.0026	-	0.0031	-	0.0035	-	0.0044	-	0.0042	-	0.0035	-	0.0035	-	0.0049	-	0.0049	-	0.0057	-
Chromium	mg/kg/wk	-	0.00048	-	0.00048	-	0.00048	-	0.00048	-	0.00049	-	0.00047	-	0.00047	-	0.00046	-	0.00046	-	0.00050	-
Copper	mg/kg/wk	-	0.0012	-	0.0015	-	0.0017	-	0.0028	-	0.0020	-	0.0020	-	0.0017	-	0.0021	-	0.0025	-	0.0030	-
Iron	mg/kg/wk	-	0.0029	-	0.0048	-	0.0038	-	0.0039	-	0.0059	-	0.0047	-	0.0037	-	0.0055	-	0.0074	-	0.0110	-
Potassium	mg/kg/wk	-	1.3	-	1.4	-	1.4	-	1.4	-	1.4	-	1.3	-	1.2	-	1.3	-	1.4	-	1.4	-
Lithium	mg/kg/wk	-	0.0038	-	0.0038	-	0.0038	-	0.0048	-	0.0049	-	0.0038	-	0.0037	-	0.0046	-	0.0037	-	0.0050	-
Magnesium	mg/kg/wk	-	1.6	-	1.8	-	1.8	-	2.0	-	2.0	-	1.5	-	1.6	-	1.9	-	1.6	-	2.1	-
Manganese	mg/kg/wk	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-
Molybdenum	mg/kg/wk	-	0.0003	-	0.0004	-	0.0004	-	0.0003	-	0.0003	-	0.0003	-	0.0001	-	0.0002	-	0.0002	-	0.0001	-
Sodium	mg/kg/wk	-	0.03	-	0.03	-	0.03	-	0.03	-	0.03	-	0.02	-	0.03	-	0.02	-	0.02	-	0.03	-
Nickel	mg/kg/wk	-	0.0038	-	0.0046	-	0.0055	-	0.0071	-	0.0066	-	0.0059	-	0.0051	-	0.0081	-	0.0082	-	0.0095	-
Phosphorus	mg/kg/wk	-	0.0105	-	0.0086	-	0.0086	-	0.0087	-	0.0088	-	0.0084	-	0.0084	-	0.0083	-	0.0083	-	0.0090	-
Lead	mg/kg/wk	-	0.000019	-	0.000019	-	0.000057	-	0.000019	-	0.000020	-	0.000019	-	0.000019	-	0.000018	-	0.000018	-	0.000030	-
Antimony	mg/kg/wk	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00020	-	0.00028	-	0.00019	-	0.00018	-	0.00018	-	0.00030	-
Selenium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0009	-	0.0009	-	0.0009	-	0.0009	-	0.0010	-
Silicon	mg/kg/wk	-	0.58	-	0.56	-	0.58	-	0.73	-	0.80	-	0.60	-	0.46	-	0.53	-	0.46	-	0.87	-
Tin	mg/kg/wk	-	0.00001	-	0.00002	-	0.00003	-	0.00001	-	0.00001	-	0.00003	-	0.00002	-	0.00001	-	0.00004	-	0.00012	-
Strontium	mg/kg/wk	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-
Titanium	mg/kg/wk	-	0.000191	-	0.000095	-	0.000095	-	0.000194	-	0.000098	-	0.000094	-	0.000093	-	0.000092	-	0.000092	-	0.000100	-
Thallium	mg/kg/wk	-	0.00002	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00005	-	0.00003	-	0.00003	-	0.00004	-	0.00004	-
Uranium	mg/kg/wk	-	0.000042	-	0.000057	-	0.000076	-	0.000076	-	0.000084	-	0.000098	-	0.000094	-	0.000087	-	0.000087	-	0.000131	-
Vanadium	mg/kg/wk	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000028	-	0.000028	-	0.000028	-	0.000028	-	0.000046	-
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	-	0.000001	-	0.000003	-	0.000004	-	0.000005	-	0.000005	-	0.000001	-	0.000003	-	0.000006	-	0.000005	-	0.000007	-
Zinc	mg/kg/wk	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0019	-	0.0018	-	0.0018	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 9 - Standard Humidity Cell MRARD10-074

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	999	1004	1010	1006	998	1001	1004	1005	990	1004	990
pH	no unit	6.3	5.87	5.41	5.92	5.43	5.47	5.73	5.71	5.58	5.91	5.37
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	3.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0
Conductivity	uS/cm	40	39	38	44	34	37	40	34	36	34	36
Sulphate	mg/kg/wk	14	13	12	12	12	12	12	12	12	11	11
Silver	mg/kg/wk	0.0000100	-	0.0000101	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	0.0100	-	0.0101	-	0.0100	-	0.0100	-	0.0099	-	0.0099
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.005	-	0.006	-	0.006	-	0.007	-	0.007	-	0.006
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0037	-	0.0038	-	0.0032	-	0.0050	-	0.0034	-	0.0027
Bismuth	mg/kg/wk	0.0000100	-	0.0000101	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	2	-	2	-	2	-	2	-	2	-	2
Cadmium	mg/kg/wk	0.000042	-	0.000005	-	0.000028	-	0.000009	-	0.000050	-	0.000025
Cobalt	mg/kg/wk	0.0059	-	0.0048	-	0.0047	-	0.0045	-	0.0053	-	0.0044
Chromium	mg/kg/wk	0.00050	-	0.00051	-	0.00050	-	0.00050	-	0.00050	-	0.00050
Copper	mg/kg/wk	0.0030	-	0.0031	-	0.0028	-	0.0033	-	0.0030	-	0.0027
Iron	mg/kg/wk	0.0060	-	0.0081	-	0.0060	-	0.0080	-	0.0059	-	0.0079
Potassium	mg/kg/wk	1.2	-	1.2	-	1.1	-	1.1	-	1.1	-	1.0
Lithium	mg/kg/wk	0.0040	-	0.0040	-	0.0040	-	0.0040	-	0.0040	-	0.0040
Magnesium	mg/kg/wk	1.9	-	1.7	-	1.6	-	1.6	-	1.6	-	1.5
Manganese	mg/kg/wk	0.2	-	0.2	-	0.2	-	0.2	-	0.2	-	0.2
Molybdenum	mg/kg/wk	0.0001	-	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0004
Sodium	mg/kg/wk	0.02	-	0.02	-	0.02	-	0.03	-	0.02	-	0.02
Nickel	mg/kg/wk	0.0103	-	0.0085	-	0.0087	-	0.0073	-	0.0097	-	0.0079
Phosphorus	mg/kg/wk	0.0090	-	0.0091	-	0.0090	-	0.0090	-	0.0089	-	0.0089
Lead	mg/kg/wk	0.000030	-	0.000091	-	0.000050	-	0.000030	-	0.000030	-	0.000040
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00060	-	0.00030	-	0.00030
Selenium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0003	-	0.0002	-	0.0003
Silicon	mg/kg/wk	0.90	-	0.89	-	0.81	-	0.89	-	0.89	-	0.89
Tin	mg/kg/wk	0.00008	-	0.00006	-	0.00003	-	0.00010	-	0.00012	-	0.00001
Strontium	mg/kg/wk	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01
Titanium	mg/kg/wk	0.000100	-	0.000101	-	0.000200	-	0.000100	-	0.000099	-	0.000099
Thallium	mg/kg/wk	0.00003	-	0.00004	-	0.00003	-	0.00004	-	0.00004	-	0.00004
Uranium	mg/kg/wk	0.000124	-	0.000117	-	0.000114	-	0.000091	-	0.000110	-	0.000197
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00010	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.000001	-	0.000008	-	0.000005	-	0.000005	-	0.000006	-	0.000004
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0040	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	0.00001004	-	0.0000099	-	0.0000099

Table 9 - Standard Humidity Cell MRARD10-074

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	995	1001	996	1011	994	996	988	997	998	989	994	999	996	996	988	998
pH	no unit	5.23	5.19	5.27	5.97	5.85	6.07	5.51	5.83	6.05	5.19	6.31	6.07	5.43	6.35	5.82	4.47
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	3.0	2.0	4.0	2.0	2.0	2.0	2.0	3.0	9.0	2.0	4.0	2.0	3.0	3.0	4.0	9.0
Conductivity	uS/cm	36	42	34	31	29	37	29	28	37	34	30	31	51	29	33	45
Sulphate	mg/kg/wk	11	11	10	11	10	11	10	10	10	10	10	10	16	10	9	10
Silver	mg/kg/wk	-	0.0000100	-	0.0000101	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000199	-	0.0000100
Aluminium	mg/kg/wk	-	0.0200	-	0.0101	-	0.0100	-	0.0100	-	0.0099	-	0.0100	-	0.0100	-	0.0100
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.006	-	0.006	-	0.006	-	0.005	-	0.005	-	0.006	-	0.005	-	0.007
Beryllium	mg/kg/wk	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000030	-	0.000030
Boron	mg/kg/wk	-	0.0033	-	0.0028	-	0.0029	-	0.0029	-	0.0026	-	0.0030	-	0.0019	-	0.0027
Bismuth	mg/kg/wk	-	0.0000100	-	0.0000101	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000100
Calcium	mg/kg/wk	-	2	-	2	-	2	-	1	-	1	-	2	-	1	-	2
Cadmium	mg/kg/wk	-	0.000038	-	0.000004	-	0.000050	-	0.000041	-	0.000040	-	0.000009	-	0.000013	-	0.000024
Cobalt	mg/kg/wk	-	0.0043	-	0.0043	-	0.0047	-	0.0043	-	0.0044	-	0.0048	-	0.0044	-	0.0048
Chromium	mg/kg/wk	-	0.00050	-	0.00051	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050
Copper	mg/kg/wk	-	0.0029	-	0.0026	-	0.0029	-	0.0029	-	0.0029	-	0.0038	-	0.0031	-	0.0034
Iron	mg/kg/wk	-	0.0030	-	0.0071	-	0.0100	-	0.0060	-	0.0089	-	0.0080	-	0.0080	-	0.0110
Potassium	mg/kg/wk	-	1.0	-	0.9	-	0.9	-	0.9	-	0.8	-	0.9	-	0.8	-	0.9
Lithium	mg/kg/wk	-	0.0040	-	0.0040	-	0.0040	-	0.0030	-	0.0030	-	0.0040	-	0.0030	-	0.0040
Magnesium	mg/kg/wk	-	1.5	-	1.4	-	1.4	-	1.3	-	1.3	-	1.4	-	1.3	-	1.5
Manganese	mg/kg/wk	-	0.2	-	0.2	-	0.2	-	0.1	-	0.2	-	0.2	-	0.2	-	0.2
Molybdenum	mg/kg/wk	-	0.0002	-	0.0001	-	0.0001	-	0.0003	-	0.0002	-	0.0000	-	0.0000	-	0.0001
Sodium	mg/kg/wk	-	0.02	-	0.02	-	0.02	-	0.05	-	0.02	-	0.02	-	0.02	-	0.02
Nickel	mg/kg/wk	-	0.0080	-	0.0074	-	0.0085	-	0.0078	-	0.0078	-	0.0083	-	0.0074	-	0.0085
Phosphorus	mg/kg/wk	-	0.0090	-	0.0091	-	0.0090	-	0.0090	-	0.0089	-	0.0090	-	0.0090	-	0.0090
Lead	mg/kg/wk	-	0.000040	-	0.000020	-	0.000040	-	0.000040	-	0.000040	-	0.000020	-	0.000120	-	0.000060
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00030	-	0.00030	-	0.00049	-	0.00050	-	0.00020	-	0.00040
Selenium	mg/kg/wk	-	0.0005	-	0.0003	-	0.0002	-	0.0002	-	0.0001	-	0.0002	-	0.0001	-	0.0002
Silicon	mg/kg/wk	-	0.95	-	0.87	-	0.86	-	0.85	-	0.83	-	0.85	-	0.82	-	0.93
Tin	mg/kg/wk	-	0.00018	-	0.00007	-	0.00005	-	0.00004	-	0.00018	-	0.00004	-	0.00004	-	0.00005
Strontium	mg/kg/wk	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01
Titanium	mg/kg/wk	-	0.000100	-	0.000101	-	0.000100	-	0.000100	-	0.000099	-	0.000100	-	0.000100	-	0.000100
Thallium	mg/kg/wk	-	0.00003	-	0.00004	-	0.00003	-	0.00004	-	0.00004	-	0.00003	-	0.00003	-	0.00004
Uranium	mg/kg/wk	-	0.000138	-	0.000101	-	0.000111	-	0.000311	-	0.000193	-	0.000142	-	0.000146	-	0.000248
Vanadium	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	-	0.000008	-	0.000004	-	0.000004	-	0.000007	-	0.000004	-	0.000004	-	0.000011	-	0.000007
Zinc	mg/kg/wk	-	0.0030	-	0.0040	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0040	-	0.0020
Mercury	mg/kg/wk	-	0.00001001	-	0.00001011	-	0.00003984	-	0.00000997	-	0.00000989	-	0.00000999	-	0.00001992	-	0.00000998

	Analyte	Unit	Wk#0 18/Jun/11	Wk#1 25/Jun/11	Wk#2 1/Jul/11	Wk#3 8/Jul/11	Wk#4 15/Jul/11	Wk#5 22-Jul-11	Wk#6 29-Jul-11	Wk#7 06-Aug-11	Wk#8 13-Jul-11	Wk# 9 20-Jul-11	Wk#10 27-Jul-11	Wk#11 3/Aug-11	Wk#12 10/Aug-11
Leachate Volume Added (mL)	mL		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	mL		780	987	970	992	816	993	988	993	989	989	989	989	989
Leachate Volume Recovered (mL)	mL		6.44	6.26	6.6	6.36	6.31	6.56	6.63	6.41	6.63	6.51	6.42	6.37	6.5
pH	no unit		1.6	2.0	1.9	2.0	1.8	2.0	2.0	2.0	2.0	2.9	2.0	2.0	2.0
Alkalinity	mg/kg/wk as CaCO ₃		2.3	6.9	1.9	5.0	5.5	6.0	4.0	5.0	3.0	2.9	4.9	3.0	3.0
Acidity	mg/kg/wk as CaCO ₃		1210	618	986	342	794	482	254	204	142	140	68	106	83
Conductivity	uS/cm		460	819	495	149	366	228	109	80	60	49	52	39	34
Sulphate	mg/kg/wk		0.0000078	0.0000099	0.0000097	0.0000099	0.0000092	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-
Silver	mg/kg/wk		0.0078	0.0099	0.0097	0.0099	0.0092	0.0099	-	0.0099	-	0.0098	-	0.0099	-
Aluminum	mg/kg/wk		0.0011	0.00247	0.00155	0.00050	0.00082	0.00040	-	0.00029	-	0.00029	-	0.00020	-
Arsenic	mg/kg/wk		0.0007	0.0009	0.0006	0.0003	0.0004	0.0003	-	0.0002	-	0.0001	-	0.0001	-
Barium	mg/kg/wk		0.000016	0.000020	0.000019	0.000020	0.000018	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Beryllium	mg/kg/wk		0.0392	0.0732	0.0555	0.0368	0.0516	0.0395	-	0.0283	-	0.0214	-	0.0172	-
Boron	mg/kg/wk		0.0000078	0.0000099	0.0000097	0.0000099	0.0000092	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-
Bismuth	mg/kg/wk		26.9	46.6	37.0	14.8	28.8	20.9	-	9.5	-	6.0	-	4.7	-
Calcium	mg/kg/wk		0.0000117	0.0000089	0.0000097	0.0000030	0.0000220	0.0000030	-	0.0000050	-	0.0000029	-	0.0000030	-
Cadmium	mg/kg/wk		0.00452	0.00369	0.00254	0.00093	0.00180	0.00111	-	0.00058	-	0.00041	-	0.00035	-
Cobalt	mg/kg/wk		0.00039	0.00049	0.00049	0.00050	0.00046	0.00050	-	0.00050	-	0.00049	-	0.00049	-
Chromium	mg/kg/wk		0.00039	0.00049	0.00049	0.00050	0.00046	0.00050	-	0.00050	-	0.00049	-	0.00049	-
Copper	mg/kg/wk		0.0070	0.0030	0.0019	0.0030	0.0018	0.0050	-	0.0079	-	0.0128	-	0.0178	-
Iron	mg/kg/wk		0.0062	0.0069	0.0049	0.0030	0.0046	0.0030	-	0.0079	-	0.0128	-	0.0178	-
Potassium	mg/kg/wk		110	196	113	30	72	46	-	18	-	11	-	8.4	-
Lithium	mg/kg/wk		0.114	0.213	0.130	0.037	0.095	0.054	-	0.024	-	0.017	-	0.014	-
Magnesium	mg/kg/wk		0.0029	0.0047	0.0036	0.0022	0.0035	0.0026	-	0.0019	-	0.0013	-	0.0016	-
Manganese	mg/kg/wk		1.55	2.07	1.25	0.31	0.78	0.47	-	0.20	-	0.13	-	0.08	-
Molybdenum	mg/kg/wk		0.0059	0.0062	0.0028	0.0011	0.0022	0.0022	-	0.0011	-	0.0006	-	0.0004	-
Sodium	mg/kg/wk		0.020	0.033	0.015	0.016	0.008	0.014	-	0.0089	-	0.0275	-	0.0089	-
Nickel	mg/kg/wk		0.000016	0.000020	0.000019	0.000020	0.000018	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Phosphorus	mg/kg/wk		0.00039	0.00020	0.00029	0.00020	0.00018	0.00020	-	0.00030	-	0.00020	-	0.00020	-
Lead	mg/kg/wk		0.04212	0.07403	0.03007	0.00595	0.01740	0.00894	-	0.00397	-	0.00197	-	0.00198	-
Antimony	mg/kg/wk		0.59	1.00	0.90	0.77	0.94	0.81	-	0.80	-	0.74	-	0.71	-
Selenium	mg/kg/wk		0.00123	0.00119	0.00075	0.00027	0.00049	0.00035	-	0.00028	-	0.00018	-	0.00015	-
Silicon	mg/kg/wk		0.105	0.171	0.114	0.032	0.076	0.049	-	0.019	-	0.011	-	0.009	-
Tin	mg/kg/wk		0.000078	0.000197	0.000194	0.000099	0.000275	0.000099	-	0.000694	-	0.000098	-	0.000198	-
Strontium	mg/kg/wk		0.00016	0.00011	0.00009	0.00006	0.00007	0.00006	-	0.00005	-	0.00004	-	0.00004	-
Titanium	mg/kg/wk		0.000013	0.000013	0.000013	0.000013	0.000013	0.000013	-	0.000013	-	0.000012	-	0.00002	-
Vanadium	mg/kg/wk		0.000047	0.000592	0.000243	0.000050	0.000128	0.000050	-	0.000030	-	0.000029	-	0.000030	-
Tungsten	mg/kg/wk		0.00002	0.00006	0.00011	0.00003	0.00003	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk		0.000028	0.000016	0.0000087	0.0000030	0.0000064	0.0000050	-	0.0000060	-	0.0000010	-	0.0000010	-
Zinc	mg/kg/wk		0.0016	0.0020	0.0019	0.0020	0.0018	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk		-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11	Wk#31 21-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	983	985	992	987	988	989	989	989	984	996	985	992	989	981	997	987	986	987	987
pH	no unit	6.35	6.65	6.37	6.35	6.56	6.37	6.35	7.23	6.48	6.35	6.33	5.97	6.25	6.16	6.22	6.24	6.22	6.28	6.03
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	4.0	2.0	2.0	6.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.9	2.0	3.0	3.9	3.0	2.0	3.0	2.0	2.0	2.0	2.0	4.0	3.0	3.9	2.0	2.0	2.0	2.0	3.0
Conductivity	uS/cm	88	78	77	72	74	52	8	55	62	59	46	69	0.00	7	53	7	44	7	54
Sulphate	mg/kg/wk	31	29	27	26	24	24	22	22	21	21	20	22	21	23	20	19	19	19	19
Silver	mg/kg/wk	0.000098	-	0.000099	-	0.000100	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000100	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	0.0098	-	0.0099	-	0.0100	-	0.0099	-	0.0098	-	0.0099	-	0.0099	-	0.0100	-	0.0099	-	0.0099
Arsenic	mg/kg/wk	0.00029	-	0.00040	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0002	-	0.0003	-	0.0004
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0165	-	0.0132	-	0.0126	-	0.0104	-	0.0107	-	0.0091	-	0.0100	-	0.0094	-	0.0077	-	0.0088
Bismuth	mg/kg/wk	0.000098	-	0.000099	-	0.0000100	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.0000100	-	0.000099	-	0.000099
Calcium	mg/kg/wk	3.8	-	3.0	-	2.9	-	2.6	-	2.5	-	2.4	-	2.6	-	2.4	-	2.2	-	2.3
Cadmium	mg/kg/wk	0.000029	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.000069	-	0.0000030
Cobalt	mg/kg/wk	0.00027	-	0.00025	-	0.00028	-	0.00023	-	0.00021	-	0.00024	-	0.00023	-	0.00024	-	0.00029	-	0.00035
Chromium	mg/kg/wk	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00049	-	0.000268	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00130	-	0.00049	-	0.00049
Iron	mg/kg/wk	0.0049	-	0.0060	-	0.0030	-	0.0040	-	0.0069	-	0.0030	-	0.0040	-	0.0050	-	0.0030	-	0.0049
Potassium	mg/kg/wk	0.5	-	0.4	-	0.4	-	0.4	-	0.4	-	0.3	-	0.3	-	0.3	-	0.4	-	0.3
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	6.7	-	5.2	-	5.1	-	4.6	-	4.5	-	4.2	-	4.5	-	4.3	-	3.8	-	4.1
Manganese	mg/kg/wk	0.010	-	0.010	-	0.010	-	0.009	-	0.008	-	0.008	-	0.009	-	0.009	-	0.009	-	0.009
Molybdenum	mg/kg/wk	0.0015	-	0.0010	-	0.0009	-	0.0011	-	0.0015	-	0.0005	-	0.0005	-	0.0005	-	0.0004	-	0.0005
Sodium	mg/kg/wk	0.08	-	0.06	-	0.04	-	0.05	-	0.04	-	0.04	-	0.05	-	0.04	-	0.04	-	0.04
Nickel	mg/kg/wk	0.0003	-	0.0004	-	0.0005	-	0.0003	-	0.0004	-	0.0005	-	0.0017	-	0.0011	-	0.0007	-	0.0007
Phosphorus	mg/kg/wk	0.0088	-	0.0099	-	0.0090	-	0.0119	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0089
Lead	mg/kg/wk	0.000079	-	0.0000714	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	0.00197	-	0.00198	-	0.00198	-	0.00198	-	0.00197	-	0.00197	-	0.00198	-	0.00199	-	0.00197	-	0.00197
Silicon	mg/kg/wk	0.71	-	0.57	-	0.57	-	0.52	-	0.55	-	0.50	-	0.56	-	0.50	-	0.44	-	0.52
Tin	mg/kg/wk	0.00015	-	0.00018	-	0.00011	-	0.00008	-	0.00010	-	0.00012	-	0.00012	-	0.00007	-	0.00012	-	0.00010
Strontium	mg/kg/wk	0.007	-	0.005	-	0.005	-	0.005	-	0.004	-	0.004	-	0.005	-	0.004	-	0.004	-	0.005
Titanium	mg/kg/wk	0.000098	-	0.000099	-	0.000100	-	0.000099	-	0.000098	-	0.000099	-	0.000297	-	0.000100	-	0.000197	-	0.000099
Thallium	mg/kg/wk	0.00004	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00002	-	0.00003	-	0.00002	-	0.00003	-	0.00003
Vanadium	mg/kg/wk	0.00001	-	0.00001	-	0.00004	-	0.00005	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004
Vanadium	mg/kg/wk	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000020	-	0.0000010	-	0.0000010	-	0.0000020	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#32 29-Dec-12	Wk#33 04-Jan-12	Wk#34 11-Jan-12	Wk#35 18-Jan-12	Wk#36 25-Jan-12	Wk#37 01-Feb-12	Wk#38 08-Feb-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 #####
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	993	988	991	994	976	992	993	990	991	988	990	987	997	994	991	986	995	988	974	1000	992
pH	no unit	6.29	6.06	6.12	6.24	6.62	6.08	6.03	6.19	6.11	6.06	6.14	6.3	6.2	6.11	6.22	5.93	5.69	6.09	6.12	6.05	5.81
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	3.0	3.0	2.0	2.9	2.0	3.0	2.0	2.0	2.0	2.0	3.9	2.0	2.0	2.0	3.0	6.0	2.0	1.9	3.0	2.0
Conductivity	uS/cm	53	50	51	40	50	50	39	6	38	49	36	60,207	39	48	40	45	46	36	46	49	49
Sulphate	mg/kg/wk	20	18	17	18	18	17	17	18	17	17	16	18	18	16	18	16	16	15	16	17	2
Silver	mg/kg/wk	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000999	-	0.0000100	-
Aluminum	mg/kg/wk	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0099	-	0.0398	-	0.0099	-	0.0099	-	0.0100	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.0001	-	0.0004	-	0.0005	-	0.0001	-	0.0001	-	0.0004	-	0.0002	-	0.0001	-	0.0006	-	0.0004	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.0075	-	0.0075	-	0.0070	-	0.0070	-	0.0058	-	0.0061	-	0.0052	-	0.0053	-	0.0059	-	0.0072	-
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-
Calcium	mg/kg/wk	-	2.0	-	2.1	-	2.0	-	2.1	-	2.0	-	2.0	-	1.9	-	1.8	-	1.8	-	2.0	-
Cadmium	mg/kg/wk	-	0.0000030	-	0.0000050	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000049	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt	mg/kg/wk	-	0.00016	-	0.00017	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00021	-	0.00023	-	0.00023	-	0.00032	-
Chromium	mg/kg/wk	-	0.000049	-	0.000050	-	0.000050	-	0.000050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	-	0.00049	-	0.000050	-	0.000050	-	0.000050	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00069	-	0.00050	-
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0039	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-
Potassium	mg/kg/wk	-	0.3	-	0.3	-	0.3	-	0.3	-	0.3	-	0.3	-	0.2	-	0.2	-	0.2	-	0.3	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	3.6	-	3.7	-	3.6	-	3.7	-	3.5	-	3.7	-	3.5	-	3.2	-	3.1	-	3.6	-
Manganese	mg/kg/wk	-	0.007	-	0.009	-	0.009	-	0.010	-	0.010	-	0.009	-	0.010	-	0.010	-	0.011	-	0.011	-
Molybdenum	mg/kg/wk	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0003	-	0.0004	-	0.0002	-	0.0002	-	0.0003	-	0.0003	-
Sodium	mg/kg/wk	-	0.04	-	0.04	-	0.04	-	0.03	-	0.04	-	0.03	-	0.03	-	0.03	-	0.03	-	0.04	-
Nickel	mg/kg/wk	-	0.0004	-	0.0002	-	0.0005	-	0.0007	-	0.0005	-	0.0007	-	0.0004	-	0.0005	-	0.0007	-	0.0007	-
Phosphorus	mg/kg/wk	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00100	-
Silicon	mg/kg/wk	-	0.45	-	0.46	-	0.44	-	0.43	-	0.407	-	0.45	-	0.36	-	0.42	-	0.40	-	0.50	-
Tin	mg/kg/wk	-	0.00005	-	0.00009	-	0.00009	-	0.00009	-	0.00009	-	0.00010	-	0.00009	-	0.00009	-	0.00011	-	0.00018	-
Strontium	mg/kg/wk	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-
Titanium	mg/kg/wk	-	0.000198	-	0.000099	-	0.000099	-	0.000198	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-
Thallium	mg/kg/wk	-	0.00002	-	0.00003	-	0.00003	-	0.00003	-	0.00002	-	0.00004	-	0.00002	-	0.00002	-	0.00002	-	0.00003	-
Uranium	mg/kg/wk	-	0.000001	-	0.000003	-	0.000003	-	0.000009	-	0.000008	-	0.000031	-	0.000004	-	0.000010	-	0.000006	-	0.000009	-
Vanadium	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000020	-	0.0000010	-	0.0000020	-	0.0000010	-	0.0000010	-	0.0000010	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 10 - Standard Humidity Cell MRARD10-080

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	992	996	998	1001	988	992	997	992	990	986	988
pH	no unit	6.03	6.03	6.88	6.36	6.24	6.59	6.93	6.44	6.08	5.94	6.16
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	1.994	2.0	1.98	2.0	1.976
Acidity	mg/kg/wk as CaCO ₃	2.0	3.0	2.0	2.0	2.0	2.0	1.994	2.0	1.98	2.0	2.964
Conductivity	uS/cm	49	42	45	48	39	39	44	43	38	40	42
Sulphate	mg/kg/wk	16	14	13	13	14	13	13	13	13	12	13
Silver	mg/kg/wk	0.0000099	-	0.0000100	-	0.0000099	-	0.0000097	-	0.0000099	-	0.00000988
Aluminum	mg/kg/wk	0.0099	-	0.0100	-	0.0099	-	0.00997	-	0.0099	-	0.00988
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.0001994	-	0.000198	-	0.0002964
Barium	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0002	-	0.0002	-	0.0002
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.00001994	-	0.0000198	-	0.00001976
Boron	mg/kg/wk	0.0062	-	0.0059	-	0.0052	-	0.00658	-	0.00475	-	0.00425
Bismuth	mg/kg/wk	0.0000099	-	0.0000100	-	0.0000099	-	0.0000097	-	0.0000099	-	0.00000988
Calcium	mg/kg/wk	1.8	-	1.7	-	1.5	-	1.55	-	1.48	-	1.50
Cadmium	mg/kg/wk	0.0000030	-	0.0000030	-	0.0000030	-	0.0000050	-	0.0000050	-	0.0000030
Cobalt	mg/kg/wk	0.00051	-	0.00023	-	0.00028	-	0.00014	-	0.00024	-	0.00023
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	0.00050	-	0.00120	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Iron	mg/kg/wk	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030
Potassium	mg/kg/wk	0.2	-	0.3	-	0.2	-	0.23	-	0.20	-	0.21
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.000997	-	0.00099	-	0.000988
Magnesium	mg/kg/wk	3.3	-	3.1	-	2.8	-	2.83	-	2.75	-	2.85
Manganese	mg/kg/wk	0.012	-	0.010	-	0.009	-	0.0089	-	0.0094	-	0.0100
Molybdenum	mg/kg/wk	0.0003	-	0.0002	-	0.0002	-	0.000259	-	0.000228	-	0.000316
Sodium	mg/kg/wk	0.03	-	0.03	-	0.03	-	0.040	-	0.030	-	0.030
Nickel	mg/kg/wk	0.0013	-	0.0006	-	0.0009	-	0.0002991	-	0.000594	-	0.0006916
Phosphorus	mg/kg/wk	0.0089	-	0.0090	-	0.0089	-	0.0090	-	0.0089	-	0.0089
Lead	mg/kg/wk	0.000020	-	0.000040	-	0.000020	-	0.00001994	-	0.0000198	-	0.00001976
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00050	-	0.00030	-	0.00030
Selenium	mg/kg/wk	0.00099	-	0.00100	-	0.00099	-	0.00070787	-	0.0006534	-	0.00080028
Silicon	mg/kg/wk	0.51	-	0.49	-	0.41	-	0.47	-	0.44	-	0.47
Tin	mg/kg/wk	0.00019	-	0.00035	-	0.00019	-	0.000140	-	0.000198	-	0.000227
Strontium	mg/kg/wk	0.003	-	0.003	-	0.003	-	0.0030	-	0.0027	-	0.0025
Titanium	mg/kg/wk	0.000099	-	0.000100	-	0.000099	-	0.0000997	-	0.000099	-	0.0000988
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.00002991	-	0.0000198	-	0.00001976
Uranium	mg/kg/wk	0.000004	-	0.000003	-	0.000007	-	0.000008	-	0.000008	-	0.000015
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00009	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000010	-	0.0000010	-	0.0000010	-	0.000000997	-	0.00000099	-	0.000000988
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.00199	-	0.00198	-	0.00198
Mercury	mg/kg/wk	-	-	-	-	-	-	0.00000997	-	0.0000099	-	0.00001976

Table 10 - Standard Humidity Cell MRARD10-080

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	989	992	986	996	989	989	989	982	994	988	999	991	992	986	981	990
pH	no unit	6.24	6.19	6.14	6.13	6.12	6.22	5.8	6.29	6.03	6.19	6.08	6.2	6.54	6.11	5.92	6.2
Alkalinity	mg/kg/wk as CaCO ₃	2.0	1.984	2.0	1.992	2.0	1.978	2.0	1.964	2.0	1.976	2.0	1.982	2.0	1.972	2.0	1.98
Acidity	mg/kg/wk as CaCO ₃	5.9	1.984	3.0	1.992	2.0	1.978	2.0	3.928	3.0	1.976	4.0	1.982	2.0	1.972	2.9	1.98
Conductivity	uS/cm	39	39	39	37	35	42	37	40	44	41	36	39	42	38	36	37
Sulphate	mg/kg/wk	12	12	12	12	12	13	12	12	12	12	13	13	12	13	12	13
Silver	mg/kg/wk	-	0.0000992	-	0.0000996	-	0.0000989	-	0.0000982	-	0.0000988	-	0.0000991	-	0.0000986	-	0.000099
Aluminium	mg/kg/wk	-	0.00992	-	0.00996	-	0.00989	-	0.00982	-	0.00988	-	0.00991	-	0.00986	-	0.0099
Arsenic	mg/kg/wk	-	0.0001984	-	0.0001992	-	0.0001978	-	0.0001964	-	0.0001976	-	0.0001982	-	0.0001972	-	0.000198
Barium	mg/kg/wk	-	0.0001	-	0.0002	-	0.0002	-	0.0002	-	0.0003	-	0.0001	-	0.0001	-	0.0001
Beryllium	mg/kg/wk	-	0.00001984	-	0.00001992	-	0.00001978	-	0.00001964	-	0.00001976	-	0.00001982	-	0.00001972	-	0.0000198
Boron	mg/kg/wk	-	0.00466	-	0.00388	-	0.00386	-	0.00452	-	0.00415	-	0.00446	-	0.00365	-	0.00406
Bismuth	mg/kg/wk	-	0.00000992	-	0.00000996	-	0.00000989	-	0.00000982	-	0.00000988	-	0.00000991	-	0.00000986	-	0.0000099
Calcium	mg/kg/wk	-	1.46	-	1.38	-	1.33	-	1.33	-	1.27	-	1.41	-	1.35	-	1.43
Cadmium	mg/kg/wk	-	0.0000030	-	0.0000030	-	0.0000089	-	0.0000029	-	0.0000030	-	0.0000079	-	0.0000030	-	0.0000059
Cobalt	mg/kg/wk	-	0.00018	-	0.00015	-	0.00025	-	0.00017	-	0.00018	-	0.00017	-	0.00016	-	0.00019
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00099	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0040	-	0.0029	-	0.0030	-	0.0030	-	0.0030	-	0.0030
Potassium	mg/kg/wk	-	0.22	-	0.19	-	0.18	-	0.19	-	0.18	-	0.19	-	0.18	-	0.18
Lithium	mg/kg/wk	-	0.000992	-	0.000996	-	0.000989	-	0.000982	-	0.000988	-	0.000991	-	0.000986	-	0.00099
Magnesium	mg/kg/wk	-	2.76	-	2.59	-	2.53	-	2.51	-	2.47	-	2.68	-	2.67	-	2.75
Manganese	mg/kg/wk	-	0.0105	-	0.0084	-	0.0090	-	0.0094	-	0.0100	-	0.0104	-	0.0097	-	0.0104
Molybdenum	mg/kg/wk	-	0.000208	-	0.000209	-	0.000178	-	0.000216	-	0.000237	-	0.000168	-	0.000207	-	0.000198
Sodium	mg/kg/wk	-	0.040	-	0.030	-	0.030	-	0.039	-	0.020	-	0.030	-	0.030	-	0.030
Nickel	mg/kg/wk	-	0.0003968	-	0.0001992	-	0.0006923	-	0.000491	-	0.0003952	-	0.0003964	-	0.0002958	-	0.000594
Phosphorus	mg/kg/wk	-	0.0089	-	0.0090	-	0.0089	-	0.0088	-	0.0089	-	0.0089	-	0.0089	-	0.0089
Lead	mg/kg/wk	-	0.00001984	-	0.00001992	-	0.00001978	-	0.00001964	-	0.00001976	-	0.00001982	-	0.00001972	-	0.0000198
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00040	-	0.00029	-	0.00040	-	0.00059	-	0.00020	-	0.00040
Selenium	mg/kg/wk	-	0.00061504	-	0.00067728	-	0.00057362	-	0.0005401	-	0.0006422	-	0.00072343	-	0.00046342	-	0.0005643
Silicon	mg/kg/wk	-	0.48	-	0.43	-	0.42	-	0.45	-	0.44	-	0.44	-	0.44	-	0.44
Tin	mg/kg/wk	-	0.000198	-	0.000369	-	0.000267	-	0.000206	-	0.000366	-	0.000347	-	0.000404	-	0.000356
Strontium	mg/kg/wk	-	0.0026	-	0.0030	-	0.0025	-	0.0024	-	0.0025	-	0.0025	-	0.0026	-	0.0026
Titanium	mg/kg/wk	-	0.0000992	-	0.0000996	-	0.0000989	-	0.0000982	-	0.0000988	-	0.0000991	-	0.0000986	-	0.000099
Thallium	mg/kg/wk	-	0.00001984	-	0.00001992	-	0.00001978	-	0.00001964	-	0.00001976	-	0.00002973	-	0.00001972	-	0.0000297
Uranium	mg/kg/wk	-	0.000009	-	0.000001	-	0.000011	-	0.000035	-	0.000021	-	0.000015	-	0.000014	-	0.000065
Vanadium	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000029	-	0.000069	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	-	0.000000992	-	0.000000996	-	0.00000030	-	0.00000010	-	0.00000010	-	0.00000010	-	0.00000059	-	0.00000020
Zinc	mg/kg/wk	-	0.00198	-	0.00198	-	0.00198	-	0.00196	-	0.00198	-	0.00198	-	0.00197	-	0.00198
Mercury	mg/kg/wk	-	0.00000992	-	0.00000996	-	0.000003956	-	0.00000982	-	0.00000988	-	0.00000991	-	0.000001972	-	0.0000099

Analyte	Unit	Wk#0 18/Jun/11	Wk#1 25/Jun/11	Wk#2 1/Jul/11	Wk#3 8/Jul/11	Wk#4 15/Jul/11	Wk#5 22-Jul-11	Wk#6 29-Jul-11	Wk#7 06-Aug-11	Wk#8 13-Jul-11	Wk# 9 20-Jul-11	Wk#10 27-Jul-11	Wk#11 3-Aug-11	Wk#12 10-Aug-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	759	956	927	995	981	967	989	955	962	956	949	951	950
pH	no unit	6.29	6.14	6.26	6.13	6.22	6.15	6.27	6.46	6.13	6.39	6.36	6.34	6.4
Alkalinity	mg/kg/wk as CaCO ₃	1.5	1.9	1.9	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	1.5	2.9	1.9	2.0	2.0	1.9	2.0	1.9	2.9	1.9	1.9	1.9	1.9
Conductivity	uS/cm	1250	873	814	339	663	492	232	139	87	69	56	41	32
Sulphate	mg/kg/wk	410	497	362	149	334	222	93.0	49	31.7	22	17.1	12	9.5
Silver	mg/kg/wk	0.0000076	0.0000096	0.0000093	0.000100	0.000098	0.000097	-	0.000096	-	0.000096	-	0.000095	-
Aluminum	mg/kg/wk	0.0076	0.0096	0.0093	0.0100	0.0098	0.0097	-	0.0096	-	0.0096	-	0.0095	-
Arsenic	mg/kg/wk	0.00015	0.00038	0.00019	0.00020	0.00020	0.00019	-	0.00019	-	0.00019	-	0.00019	-
Barium	mg/kg/wk	0.00091	0.0012	0.00092	0.00038	0.00071	0.00059	-	0.00015	-	0.00011	-	0.00006	-
Beryllium	mg/kg/wk	0.000015	0.000019	0.000019	0.000020	0.000020	0.000019	-	0.000019	-	0.000019	-	0.000019	-
Boron	mg/kg/wk	0.0153	0.0279	0.0218	0.0151	0.0212	0.0161	-	0.0099	-	0.0078	-	0.0053	-
Bismuth	mg/kg/wk	0.0000076	0.0000096	0.0000093	0.000100	0.000098	0.000097	-	0.000096	-	0.000096	-	0.000095	-
Calcium	mg/kg/wk	49	46	40	20	37	28	-	7.5	-	3.3	-	1.9	-
Cadmium	mg/kg/wk	0.0000220	0.0000201	0.0000093	0.0000030	0.0000235	0.0000048	-	0.0000029	-	0.0000029	-	0.0000029	-
Cobalt	mg/kg/wk	0.00199	0.00211	0.00177	0.00074	0.00148	0.00091	-	0.00026	-	0.00017	-	0.00012	-
Chromium	mg/kg/wk	0.00038	0.00048	0.00046	0.00050	0.00049	0.00048	-	0.00048	-	0.00048	-	0.00048	-
Copper	mg/kg/wk	0.00038	0.00048	0.00046	0.00050	0.00049	0.00048	-	0.00048	-	0.00048	-	0.00048	-
Iron	mg/kg/wk	0.0030	0.0019	0.0019	0.0020	0.0020	0.0019	-	0.0019	-	0.0067	-	0.0057	-
Potassium	mg/kg/wk	2.2	1.4	1.4	0.7	1.1	0.7	-	0.7	-	0.4	-	0.5	-
Lithium	mg/kg/wk	0.0015	0.0010	0.0009	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	95.6	123.3	77.7	26.9	60.1	41.6	-	10.4	-	4.4	-	2.6	-
Manganese	mg/kg/wk	0.102	0.137	0.098	0.036	0.080	0.053	-	0.013	-	0.006	-	0.004	-
Molybdenum	mg/kg/wk	0.0007	0.0011	0.0009	0.0007	0.0010	0.0007	-	0.0006	-	0.0005	-	0.0006	-
Sodium	mg/kg/wk	4.17	4.00	2.36	0.47	1.44	0.82	-	0.18	-	0.10	-	0.05	-
Nickel	mg/kg/wk	0.0012	0.0031	0.0014	0.0007	0.0010	0.0016	-	0.0004	-	0.0001	-	0.0001	-
Phosphorus	mg/kg/wk	0.0129	0.0813	0.0222	0.0348	0.0108	0.0261	-	0.0143	-	0.0239	-	0.0181	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11	Wk#31 21-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	970	970	971	987	982	978	991	998	997	987	988	997	975	984	973	996	980	990	993
pH	no unit	6.32	6.43	6.41	6.4	6.4	6.42	6.48	6.4	6.04	6.47	6.04	6.53	6.28	6.39	6.42	6.41	6.82	6.47	6.58
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.9	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0
Conductivity	µS/cm	31	26	26	23	22	4	22	4	16	17	13	15	0	13	15	3	12	3	3
Sulphate	mg/kg/wk	8	7.3	6	5.4	5	4.6	4	3.8	3	3.2	3	2.6	3	2.6	2	2.4	2	2.1	2
Silver	mg/kg/wk	0.0000097	-	0.0000097	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000097	-	0.0000098	-	0.000100
Aluminum	mg/kg/wk	0.0097	-	0.0097	-	0.0098	-	0.0099	-	0.0099	-	0.0099	-	0.0098	-	0.0097	-	0.0098	-	0.0100
Arsenic	mg/kg/wk	0.00019	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00019	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.00008	-	0.00008	-	0.00004	-	0.00004	-	0.00004	-	0.00003	-	0.00003	-	0.00008	-	0.00006	-	0.00005
Beryllium	mg/kg/wk	0.000019	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0061	-	0.0050	-	0.0051	-	0.0044	-	0.0044	-	0.0037	-	0.0036	-	0.0035	-	0.0023	-	0.0031
Bismuth	mg/kg/wk	0.0000097	-	0.0000097	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000097	-	0.0000098	-	0.000100
Calcium	mg/kg/wk	1.5	-	1.2	-	1.0	-	1.0	-	0.8	-	0.8	-	0.7	-	0.7	-	0.6	-	0.7
Cadmium	mg/kg/wk	0.0000029	-	0.0000029	-	0.0000029	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000029	-	0.0000029	-	0.0000078	-	0.0000030
Cobalt	mg/kg/wk	0.00009	-	0.00006	-	0.00008	-	0.00007	-	0.00008	-	0.00007	-	0.00007	-	0.00006	-	0.00007	-	0.00010
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050
Iron	mg/kg/wk	0.0019	-	0.0029	-	0.0020	-	0.0020	-	0.0020	-	0.0030	-	0.0039	-	0.0029	-	0.0029	-	0.0030
Potassium	mg/kg/wk	0.3	-	0.3	-	0.3	-	0.3	-	0.3	-	0.2	-	0.3	-	0.2	-	0.2	-	0.2
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	2.0	-	1.6	-	1.3	-	1.2	-	1.1	-	1.0	-	0.9	-	0.9	-	0.8	-	0.8
Manganese	mg/kg/wk	0.003	-	0.003	-	0.003	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.003
Molybdenum	mg/kg/wk	0.0006	-	0.0003	-	0.0006	-	0.0006	-	0.0009	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0005
Sodium	mg/kg/wk	0.04	-	0.03	-	0.02	-	0.02	-	0.02	-	0.02	-	0.02	-	0.01	-	0.01	-	0.01
Nickel	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0002
Phosphorus	mg/kg/wk	0.0233	-	0.0223	-	0.0118	-	0.0317	-	0.0089	-	0.0237	-	0.0254	-	0.0311	-	0.0167	-	0.0320
Lead	mg/kg/wk	0.000049	-	0.000078	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00029	-	0.00039	-	0.00020	-	0.00020	-	0.00030	-	0.00030	-	0.00029	-	0.00019	-	0.00020	-	0.00020
Selenium	mg/kg/wk	0.00097	-	0.00097	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.00098	-	0.00097	-	0.00098	-	0.00100
Silicon	mg/kg/wk	0.30	-	0.31	-	0.31	-	0.32	-	0.32	-	0.30	-	0.32	-	0.31	-	0.27	-	0.32
Tin	mg/kg/wk	0.00012	-	0.00013	-	0.00013	-	0.00012	-	0.00016	-	0.00010	-	0.00019	-	0.00015	-	0.00019	-	0.00017
Strontium	mg/kg/wk	0.001	-	0.00049	-	0.00039	-	0.00020	-	0.00020	-	0.00010	-	0.00029	-	0.00029	-	0.00010	-	0.00030
Titanium	mg/kg/wk	0.000097	-	0.000097	-	0.000098	-	0.000099	-	0.000099	-	0.000099	-	0.000098	-	0.000097	-	0.000098	-	0.000100
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002
Uranium	mg/kg/wk	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Vanadium	mg/kg/wk	0.000126	-	0.000136	-	0.000157	-	0.000168	-	0.000139	-	0.000138	-	0.000195	-	0.000156	-	0.000176	-	0.000190
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000019	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010
Zinc	mg/kg/wk	0.0019	-	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0019	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#32 29-Jan-11	Wk#33 04-Feb-12	Wk#34 11-Jan-12	Wk#35 18-Feb-12	Wk#36 25-Feb-12	Wk#37 01-Mar-12	Wk#38 08-Mar-12	Wk#39 15-Feb-12	Wk#40 22-Mar-12	Wk#41 29-Mar-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 ##-##-##
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	984	984	984	972	993	981	1001	972	993	994	989	986	986	1001	986	983	1008	986	994	970	938
pH	no unit	6.34	6.37	6.46	6.31	6.45	6.26	6.35	6.3	6.44	6.34	6.26	6.58	7.05	8.29	6.37	6.54	6.48	6.48	6.24	6.26	6.26
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
Conductivity	uS/cm	3	3	10	11	12	8	3	3	12	13	10	19.78	11	20	11	11	13	10	10	19	11
Sulphate	mg/kg/wk	2.2	2	1.8	2	1.8	2	1.7	2	1.7	2	1.6	2	2.1	2	1.7	2	1.5	1	1.6	2	1.5
Silver	mg/kg/wk	-	0.000098	-	0.000097	-	0.000098	-	0.000097	-	0.000099	-	0.000099	-	0.0000100	-	0.000098	-	0.000099	-	0.000097	-
Aluminum	mg/kg/wk	-	0.0098	-	0.0097	-	0.0098	-	0.0097	-	0.0099	-	0.0099	-	0.0200	-	0.0098	-	0.0099	-	0.0097	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00019	-	0.00020	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00019	-
Barium	mg/kg/wk	-	0.00004	-	0.00008	-	0.00005	-	0.00005	-	0.00002	-	0.00002	-	0.00001	-	0.00003	-	0.00007	-	0.00006	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000019	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-
Boron	mg/kg/wk	-	0.0024	-	0.0023	-	0.0024	-	0.0017	-	0.0019	-	0.0020	-	0.0016	-	0.0017	-	0.0023	-	0.0019	-
Bismuth	mg/kg/wk	-	0.000098	-	0.000097	-	0.000098	-	0.000097	-	0.000099	-	0.000099	-	0.0000100	-	0.000098	-	0.000099	-	0.000097	-
Calcium	mg/kg/wk	-	0.5	-	0.5	-	0.5	-	0.5	-	0.6	-	0.5	-	0.6	-	0.5	-	0.5	-	0.5	-
Cadmium	mg/kg/wk	-	0.0000030	-	0.0000049	-	0.0000029	-	0.0000029	-	0.0000030	-	0.0000109	-	0.0000030	-	0.0000029	-	0.0000030	-	0.0000029	-
Cobalt	mg/kg/wk	-	0.00005	-	0.00005	-	0.00008	-	0.00007	-	0.00006	-	0.00010	-	0.00008	-	0.00006	-	0.00009	-	0.00007	-
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.0030	-	0.0029	-	0.0029	-	0.0029	-	0.0030	-	0.0030	-	0.0030	-	0.0029	-	0.0030	-	0.0049	-
Potassium	mg/kg/wk	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.7	-	0.7	-	0.7	-	0.7	-	0.7	-	0.7	-	0.7	-	0.7	-	0.6	-	0.6	-
Manganese	mg/kg/wk	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-
Molybdenum	mg/kg/wk	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0003	-	0.0003	-	0.0004	-	0.0004	-
Sodium	mg/kg/wk	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-
Nickel	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0002	-	0.0001	-	0.0002	-	0.0001	-	0.0001	-	0.0002	-	0.0002	-
Phosphorus	mg/kg/wk	-	0.0256	-	0.0214	-	0.0255	-	0.0272	-	0.0338	-	0.0307	-	0.0280	-	0.0236	-	0.0207	-	0.0310	-
Lead	mg/kg/wk	-	0.000020	-	0.000019	-	0.000020	-	0.000019	-	0.000020	-	0.000049	-	0.000020	-	0.000020	-	0.000020	-	0.000029	-
Antimony	mg/kg/wk	-	0.00020	-	0.00019	-	0.00020	-	0.00019	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00029	-
Selenium	mg/kg/wk	-	0.00098	-	0.00097	-	0.00098	-	0.00097	-	0.00099	-	0.00099	-	0.00100	-	0.00098	-	0.00099	-	0.00097	-
Silicon	mg/kg/wk	-	0.28	-	0.27	-	0.27	-	0.27	-	0.29	-	0.32	-	0.28	-	0.32	-	0.27	-	0.31	-
Tin	mg/kg/wk	-	0.00011	-	0.00020	-	0.00013	-	0.00013	-	0.00013	-	0.00045	-	0.00012	-	0.00009	-	0.00013	-	0.00034	-
Strontium	mg/kg/wk	-	0.00020	-	0.00019	-	0.00029	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00029	-	0.00020	-	0.00019	-
Titonium	mg/kg/wk	-	0.000098	-	0.000097	-	0.000098	-	0.000097	-	0.000099	-	0.000099	-	0.000100	-	0.000098	-	0.000099	-	0.000097	-
Thallium	mg/kg/wk	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-
Uranium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000003	-	0.000003	-	0.000003	-	0.000002	-	0.000003	-	0.000004	-	0.000003	-	0.000002	-
Vanadium	mg/kg/wk	-	0.000167	-	0.000204	-	0.000206	-	0.000175	-	0.000169	-	0.000178	-	0.000140	-	0.000167	-	0.000188	-	0.000184	-
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-
Zinc	mg/kg/wk	-	0.0020	-	0.0019	-	0.0020	-	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0019	-
Mercurv	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 11 - Standard Humidity Cell MRARD10-092

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	998	902	926	943	948	922	964	930	967	961	970
pH	no unit	6.3	6.23	5.87	6.28	6.55	6.44	6.53	6.85	6.29	6.13	5.29
Alkalinity	mg/kg/wk as CaCO ₃	2.0	1.8	1.9	1.9	1.9	2.8	1.928	1.9	1.934	1.9	1.94
Acidity	mg/kg/wk as CaCO ₃	2.0	1.8	2.8	1.9	1.9	1.8	1.928	1.9	1.934	1.9	2.91
Conductivity	uS/cm	13	8	8	10	28	13	12	12	11	8	11
Sulphate	mg/kg/wk	1	1.2	1	1.3	1	1.3	1.3496	1.3	1.3538	1.2	1.261
Silver	mg/kg/wk	0.0000100	-	0.0000093	-	0.0000095	-	0.000010	-	0.000010	-	0.000010
Aluminium	mg/kg/wk	0.0100	-	0.0093	-	0.0095	-	0.0096	-	0.0097	-	0.0097
Arsenic	mg/kg/wk	0.00020	-	0.00019	-	0.00019	-	0.00019	-	0.00019	-	0.00019
Barium	mg/kg/wk	0.00006	-	0.00003	-	0.00003	-	0.00001	-	0.00002	-	0.00014
Beryllium	mg/kg/wk	0.000020	-	0.000019	-	0.000019	-	0.000019	-	0.000019	-	0.000019
Boron	mg/kg/wk	0.0016	-	0.0012	-	0.0011	-	0.00260	-	0.00126	-	0.00087
Bismuth	mg/kg/wk	0.0000100	-	0.0000093	-	0.0000095	-	0.00000964	-	0.00000967	-	0.0000097
Calcium	mg/kg/wk	0.5	-	0.4	-	0.4	-	0.40	-	0.39	-	0.42
Cadmium	mg/kg/wk	0.0000030	-	0.0000028	-	0.0000028	-	0.0000029	-	0.0000029	-	0.0000029
Cobalt	mg/kg/wk	0.00016	-	0.00010	-	0.00010	-	0.00006	-	0.00005	-	0.00008
Chromium	mg/kg/wk	0.00050	-	0.00046	-	0.00047	-	0.00048	-	0.00048	-	0.00049
Copper	mg/kg/wk	0.00050	-	0.00046	-	0.00047	-	0.00048	-	0.00048	-	0.00049
Iron	mg/kg/wk	0.0030	-	0.0130	-	0.0047	-	0.0096	-	0.0048	-	0.0029
Potassium	mg/kg/wk	0.1	-	0.1	-	0.1	-	0.10	-	0.08	-	0.09
Lithium	mg/kg/wk	0.0010	-	0.0009	-	0.0009	-	0.00096	-	0.00097	-	0.00097
Magnesium	mg/kg/wk	0.6	-	0.5	-	0.5	-	0.51	-	0.50	-	0.53
Manganese	mg/kg/wk	0.002	-	0.001	-	0.002	-	0.0015	-	0.0015	-	0.0017
Molybdenum	mg/kg/wk	0.0003	-	0.0003	-	0.0003	-	0.00036	-	0.00033	-	0.00035
Sodium	mg/kg/wk	0.01	-	0.01	-	0.01	-	0.010	-	0.010	-	0.010
Nickel	mg/kg/wk	0.0003	-	0.0001	-	0.0003	-	0.00010	-	0.00010	-	0.00029
Phosphorus	mg/kg/wk	0.0309	-	0.0232	-	0.0237	-	0.0087	-	0.0290	-	0.0194
Lead	mg/kg/wk	0.000020	-	0.000019	-	0.000019	-	0.00001928	-	0.00001934	-	0.0000194
Antimony	mg/kg/wk	0.00020	-	0.00019	-	0.00019	-	0.00048	-	0.00029	-	0.00029
Selenium	mg/kg/wk	0.00100	-	0.00093	-	0.00095	-	0.00017352	-	0.0001934	-	0.0000873
Silicon	mg/kg/wk	0.33	-	0.23	-	0.24	-	0.26	-	0.25	-	0.27
Tin	mg/kg/wk	0.00046	-	0.00026	-	0.00009	-	0.000135	-	0.000106	-	0.000107
Strontium	mg/kg/wk	0.00020	-	0.00009	-	0.00009	-	0.0002	-	0.0002	-	0.0001
Titanium	mg/kg/wk	0.000100	-	0.000093	-	0.000095	-	0.0000964	-	0.0000967	-	0.000097
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.00001928	-	0.00001934	-	0.0000194
Uranium	mg/kg/wk	0.000004	-	0.000003	-	0.000001	-	0.000001	-	0.000004	-	0.000007
Vanadium	mg/kg/wk	0.000170	-	0.000157	-	0.000133	-	0.000183	-	0.000145	-	0.000078
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00008	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000010	-	0.0000028	-	0.0000009	-	0.000000964	-	0.000000967	-	0.00000097
Zinc	mg/kg/wk	0.0020	-	0.0019	-	0.0019	-	0.001928	-	0.001934	-	0.00194
Mercury	mg/kg/wk	-	-	-	-	-	-	0.0000096	-	0.0000097	-	0.000039

Table 11 - Standard Humidity Cell MRARD10-092

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	934	847	860	1000	981	998	989	988	984	985	986	990	996	993	994	977
pH	no unit	6.13	6.32	6.33	6.32	6.36	6.38	6.1	6.91	6.34	6.31	6.01	5.93	6.14	6.34	5.61	6.33
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.694	1.7	2	2.0	1.996	2.0	1.976	2.0	1.97	2.0	1.98	2.0	2.979	2.0	1.954
Acidity	mg/kg/wk as CaCO ₃	1.9	1.694	2.6	2	2.0	1.996	2.0	3.952	2.0	3.94	2.0	1.98	2.0	1.986	2.0	1.954
Conductivity	uS/cm	11	8	9	15	7	15	7	14	8	12	13	9	11	8	12	7
Sulphate	mg/kg/wk	1.1	1.1858	1.2	1.3	1.2	1.0978	1.3	1.3832	1.6	1.182	1.4	1.386	1.6	1.1916	1.3	1.2701
Silver	mg/kg/wk	-	0.000008	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Aluminium	mg/kg/wk	-	0.0254	-	0.0100	-	0.0100	-	0.0099	-	0.0099	-	0.0099	-	0.0199	-	0.0098
Arsenic	mg/kg/wk	-	0.00017	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.00006	-	0.00006	-	0.00018	-	0.00006	-	0.00012	-	0.00005	-	0.00002	-	0.00006
Beryllium	mg/kg/wk	-	0.000017	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.00093	-	0.00090	-	0.00110	-	0.00119	-	0.00099	-	0.00119	-	0.00050	-	0.00088
Bismuth	mg/kg/wk	-	0.00000847	-	0.00001	-	0.00000998	-	0.00000988	-	0.00000985	-	0.0000099	-	0.00000993	-	0.00000977
Calcium	mg/kg/wk	-	0.36	-	0.43	-	0.47	-	0.40	-	0.37	-	0.44	-	0.39	-	0.42
Cadmium	mg/kg/wk	-	0.0000025	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000029
Cobalt	mg/kg/wk	-	0.00008	-	0.00008	-	0.00008	-	0.00006	-	0.00017	-	0.00004	-	0.00006	-	0.00007
Chromium	mg/kg/wk	-	0.00042	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	-	0.00042	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Iron	mg/kg/wk	-	0.0229	-	0.0120	-	0.0090	-	0.0040	-	0.0049	-	0.0030	-	0.0030	-	0.0029
Potassium	mg/kg/wk	-	0.08	-	0.08	-	0.09	-	0.08	-	0.07	-	0.08	-	0.07	-	0.07
Lithium	mg/kg/wk	-	0.00085	-	0.00100	-	0.00100	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098
Magnesium	mg/kg/wk	-	0.49	-	0.53	-	0.52	-	0.48	-	0.49	-	0.52	-	0.49	-	0.52
Manganese	mg/kg/wk	-	0.0015	-	0.0014	-	0.0018	-	0.0016	-	0.0017	-	0.0015	-	0.0013	-	0.0016
Molybdenum	mg/kg/wk	-	0.00025	-	0.00031	-	0.00026	-	0.00034	-	0.00048	-	0.00024	-	0.00026	-	0.00026
Sodium	mg/kg/wk	-	0.008	-	0.010	-	0.010	-	0.020	-	0.010	-	0.010	-	0.010	-	0.010
Nickel	mg/kg/wk	-	0.00017	-	0.00010	-	0.00010	-	0.00020	-	0.00010	-	0.00030	-	0.00010	-	0.00020
Phosphorus	mg/kg/wk	-	0.0237	-	0.0230	-	0.0220	-	0.0207	-	0.0266	-	0.0267	-	0.0308	-	0.0274
Lead	mg/kg/wk	-	0.00001694	-	0.00002	-	0.00001996	-	0.00001976	-	0.0000197	-	0.0000198	-	0.00001986	-	0.00001954
Antimony	mg/kg/wk	-	0.00017	-	0.00020	-	0.00030	-	0.00030	-	0.00030	-	0.00040	-	0.00020	-	0.00039
Selenium	mg/kg/wk	-	0.00011011	-	0.00035	-	0.00016966	-	0.00028652	-	0.00018715	-	0.0001683	-	0.00013902	-	0.00017586
Silicon	mg/kg/wk	-	0.21	-	0.27	-	0.27	-	0.28	-	0.28	-	0.29	-	0.26	-	0.25
Tin	mg/kg/wk	-	0.000119	-	0.000200	-	0.000329	-	0.000287	-	0.000315	-	0.000277	-	0.000199	-	0.000215
Strontium	mg/kg/wk	-	0.0001	-	0.0003	-	0.0012	-	0.0002	-	0.0009	-	0.0002	-	0.0002	-	0.0002
Titanium	mg/kg/wk	-	0.0002541	-	0.0001	-	0.0000998	-	0.0000988	-	0.0000985	-	0.000099	-	0.0000993	-	0.0000977
Thallium	mg/kg/wk	-	0.00001694	-	0.00002	-	0.00001996	-	0.00001976	-	0.0000197	-	0.0000198	-	0.00001986	-	0.00001954
Uranium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000005	-	0.000023	-	0.000012	-	0.000005	-	0.000005	-	0.000016
Vanadium	mg/kg/wk	-	0.000144	-	0.000160	-	0.000120	-	0.000178	-	0.000384	-	0.000188	-	0.000129	-	0.000176
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	-	0.0000025	-	0.000002	-	0.000001996	-	0.000000988	-	0.000000985	-	0.00000099	-	0.000004965	-	0.000000977
Zinc	mg/kg/wk	-	0.001694	-	0.002	-	0.005988	-	0.001976	-	0.00197	-	0.00198	-	0.001986	-	0.001954
Mercury	mg/kg/wk	-	0.000008	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000070	-	0.000020

Analyte	Unit	Wk#0 18/Jun/11	Wk#1 25/Jun/11	Wk#2 1/Jul/11	Wk#3 8/Jul/11	Wk#4 15/Jul/11	Wk#5 22-Jul-11	Wk#6 29-Jul-11	Wk#7 06-Aug-11	Wk#8 13/Jul-11	Wk# 9 20-Jul-11	Wk#10 27-Jul-11	Wk#11 3-Aug-11	Wk#12 10-Aug-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	810	977	991	993	987	988	986	987	988	987	986	979	985
pH	no unit	7.19	7.24	7.34	7.13	6.9	7.16	7.26	7.27	7.02	6.86	7.11	7.19	7.29
Alkalinity	mg/kg/wk as CaCO ₃	7.3	8.8	9.9	8.9	9.9	7.9	9.9	9.9	8.9	8.9	8.9	7.8	7.9
Acidity	mg/kg/wk as CaCO ₃	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	357	247	174	62	120	79	54	47	38	36	36	30	28
Sulphate	mg/kg/wk	7	14	9	6	9	7	5.9	5	4.6	4	4.3	4	3.6
Silver	mg/kg/wk	0.0000081	0.0000098	0.0000099	0.0000099	0.0000099	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-
Aluminum	mg/kg/wk	0.0081	0.0098	0.0099	0.0099	0.0099	0.0099	-	0.0099	-	0.0099	-	0.0098	-
Arsenic	mg/kg/wk	0.00016	0.00020	0.00020	0.00020	0.00020	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.0023	0.0028	0.0014	0.0004	0.0009	0.0006	-	0.0003	-	0.0002	-	0.0001	-
Beryllium	mg/kg/wk	0.000016	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0055	0.0115	0.0080	0.0069	0.0081	0.0064	-	0.0060	-	0.0049	-	0.0038	-
Bismuth	mg/kg/wk	0.0000081	0.0000098	0.0000099	0.0000099	0.0000099	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-
Calcium	mg/kg/wk	13.1	15.0	8.1	2.4	4.9	3.1	-	1.8	-	1.3	-	1.0	-
Cadmium	mg/kg/wk	0.0000073	0.0000029	0.0000030	0.0000030	0.0000069	0.0000030	-	0.0000030	-	0.0000030	-	0.0000029	-
Cobalt	mg/kg/wk	0.00010	0.00012	0.00009	0.00003	0.00006	0.00002	-	0.00002	-	0.00002	-	0.00003	-
Chromium	mg/kg/wk	0.00041	0.00049	0.00050	0.00050	0.00049	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	0.00041	0.00049	0.00050	0.00050	0.00049	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	0.0065	0.0098	0.0149	0.0020	0.0049	0.0079	-	0.0030	-	0.0020	-	0.0078	-
Potassium	mg/kg/wk	20.3	17.6	9.6	6.5	15.5	7.5	-	5.8	-	4.4	-	7.3	-
Lithium	mg/kg/wk	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	11.5	13.6	7.5	2.1	4.5	2.8	-	1.6	-	1.1	-	0.9	-
Manganese	mg/kg/wk	0.014	0.021	0.012	0.004	0.008	0.005	-	0.003	-	0.002	-	0.002	-
Molybdenum	mg/kg/wk	0.0021	0.0021	0.0019	0.0017	0.0020	0.0017	-	0.0016	-	0.0013	-	0.0011	-
Sodium	mg/kg/wk	3.04	3.04	2.24	0.95	1.57	1.13	-	0.78	-	0.61	-	0.49	-
Nickel	mg/kg/wk	0.0001	0.0006	0.0002	0.0002	0.0001	0.0003	-	0.0003	-	0.0001	-	0.0001	-
Phosphorus	mg/kg/wk	0.0073	0.0176	0.0119	0.0089	0.0089	0.0089	-	0.0089	-	0.0109	-	0.0088	-
Lead	mg/kg/wk	0.000016	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	0.00032	0.00029	0.00030	0.00020	0.00020	0.00020	-	0.00030	-	0.00030	-	0.00029	-
Selenium	mg/kg/wk	0.00081	0.00098	0.00099	0.00099	0.00099	0.00099	-	0.00099	-	0.00099	-	0.00098	-
Silicon	mg/kg/wk	0.93	1.08	1.08	0.97	1.09	0.95	-	1.11	-	1.05	-	1.03	-
Tin	mg/kg/wk	0.00109	0.00069	0.00037	0.00020	0.00026	0.00020	-	0.00028	-	0.00028	-	0.00026	-
Strontium	mg/kg/wk	0.080	0.093	0.049	0.014	0.029	0.018	-	0.011	-	0.007	-	0.006	-
Titanium	mg/kg/wk	0.000081	0.000195	0.000099	0.000099	0.000197	0.000099	-	0.000099	-	0.000099	-	0.000196	-
Thallium	mg/kg/wk	0.00016	0.00002	0.00002	0.00002	0.00002	0.00002	-	0.00002	-	0.00002	-	0.00002	-
Vanadium	mg/kg/wk	0.000032	0.000121	0.000121	0.000121	0.000121	0.000125	-	0.000125	-	0.000125	-	0.000142	-
Vanadium	mg/kg/wk	0.000032	0.000087	0.000515	0.000199	0.000494	0.000237	-	0.000158	-	0.000148	-	0.000166	-
Tungsten	mg/kg/wk	0.00002	0.00003	0.00007	0.00003	0.00003	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	0.0000008	0.0000020	0.0000010	0.0000010	0.0000010	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-
Zinc	mg/kg/wk	0.0016	0.0020	0.0020	0.0020	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte	Unit	Wk#13 17-Aug-11	Wk#14 24-Aug-11	Wk#15 31-Aug-11	Wk#16 07-Sep-11	Wk#17 14-Sep-11	Wk#18 21-Sep-11	Wk#19 28-Sep-11	Wk#20 05-Oct-11	Wk#21 12-Oct-11	Wk#22 19-Oct-11	Wk#23 26-Oct-11	Wk#24 02-Nov-11	Wk#25 09-Nov-11	Wk#26 16-Nov-11	Wk#27 23-Nov-11	Wk#28 30-Nov-11	Wk#29 07-Dec-11	Wk#30 14-Dec-11	Wk#31 21-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	988	983	981	970	966	982	990	995	986	991	983	988	988	983	982	988	988	989	990
pH	no unit	7.31	7.1	7.22	7.04	7.18	7.09	7.12	6.96	6.16	6.96	7.05	7.4	7.59	6.76	6.72	7.02	7.05	7.05	7.05
Alkalinity	mg/kg/wk as CaCO ₃	8.9	7.9	7.9	6.8	7.9	6.9	6.9	8.0	7.9	6.9	7.0	5.9	5.9	6.0	6.0	5.9	5.9	5.9	5.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	28	26	27	23	28	19	5	24	22	17	23	23	23	19	25	20	4	4	20
Sulphate	mg/kg/wk	3	3.3	3	2.6	3	2.6	2	2.5	2	2.5	2	2.6	3	2.8652	3	2.7	3	2.6	3
Silver	mg/kg/wk	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	0.0099	-	0.0098	-	0.0099	-	0.0099	-	0.0197	-	0.0099	-	0.0099	-	0.0198	-	0.0198	-	0.0099
Arsenic	mg/kg/wk	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0005	-	0.0001	-	0.0006	-	0.0001	-	0.0007
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0044	-	0.0035	-	0.0040	-	0.0029	-	0.0032	-	0.0027	-	0.0028	-	0.0028	-	0.0018	-	0.0028
Bismuth	mg/kg/wk	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	1.0	-	0.9	-	0.9	-	0.8	-	0.8	-	0.7	-	0.8	-	0.8	-	0.8	-	0.8
Cadmium	mg/kg/wk	0.0000030	-	0.0000029	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000049	-	0.0000030
Cobalt	mg/kg/wk	0.00001	-	0.00001	-	0.00002	-	0.00001	-	0.00003	-	0.00001	-	0.00000	-	0.00000	-	0.00001	-	0.00002
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050
Iron	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0049	-	0.0030	-	0.0030	-	0.0030	-	0.0040	-	0.0079
Potassium	mg/kg/wk	3.6	-	3.6	-	3.6	-	3.6	-	3.3	-	3.8	-	3.9	-	3.8	-	3.8	-	3.8
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.8	-	0.7	-	0.8	-	0.7	-	0.7	-	0.6	-	0.6	-	0.6	-	0.6	-	0.7
Manganese	mg/kg/wk	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002
Molybdenum	mg/kg/wk	0.0010	-	0.0006	-	0.0007	-	0.0006	-	0.0007	-	0.0004	-	0.0004	-	0.0003	-	0.0003	-	0.0004
Sodium	mg/kg/wk	0.45	-	0.40	-	0.40	-	0.35	-	0.32	-	0.28	-	0.30	-	0.26	-	0.25	-	0.24
Nickel	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Phosphorus	mg/kg/wk	0.0089	-	0.0088	-	0.0089	-	0.0089	-	0.0099	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089
Lead	mg/kg/wk	0.000148	-	0.000039	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00030	-	0.00029	-	0.000030	-	0.000020	-	0.00039	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099
Silicon	mg/kg/wk	0.91	-	0.96	-	1.10	-	0.90	-	0.99	-	0.89	-	1.01	-	0.91	-	0.94	-	1.08
Tin	mg/kg/wk	0.00017	-	0.00014	-	0.00015	-	0.00012	-	0.00012	-	0.00009	-	0.00015	-	0.00009	-	0.00019	-	0.00019
Strontium	mg/kg/wk	0.006	-	0.005	-	0.005	-	0.004	-	0.004	-	0.004	-	0.004	-	0.005	-	0.004	-	0.005
Titanium	mg/kg/wk	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002
Uranium	mg/kg/wk	0.000076	-	0.000056	-	0.000066	-	0.000056	-	0.000045	-	0.000045	-	0.000045	-	0.000026	-	0.000026	-	0.000028
Vanadium	mg/kg/wk	0.000158	-	0.0000157	-	0.0000207	-	0.000168	-	0.000168	-	0.000129	-	0.000188	-	0.000129	-	0.000168	-	0.000178
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analyte		Unit	Wk#32 29-Jan-11	Wk#33 04-Feb-12	Wk#34 11-Jan-12	Wk#35 18-Feb-12	Wk#36 25-Feb-12	Wk#37 01-Mar-12	Wk#38 08-Mar-12	Wk#39 15-Feb-12	Wk#40 22-Feb-12	Wk#41 29-Feb-12	Wk#42 07-Mar-12	Wk#43 14-Mar-12	Wk#44 21-Mar-12	Wk#45 28-Mar-12	Wk#46 04-Apr-12	Wk#47 11-Apr-12	Wk#48 18-Apr-12	Wk#49 25-Apr-12	Wk#50 02-May-12	Wk#51 09-May-12	Wk#52 ##-##-12
Leachate Volume Added (mL)		mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)		mL	991	986	988	982	983	988	992	990	992	987	990	987	999	993	994	995	996	990	992	1003	1001
pH		no unit	6.89	6.95	7.16	7.14	7.16	6.93	6.99	6.96	6.91	7.13	6.98	6.85	7	6.9	7.07	7.21	6.97	6.93	6.81	6.89	6.87
Alkalinity		mg/kg/wk as CaCO ₃	5.9	4.9	2.0	5.9	5.9	5.9	5.0	5.0	5.0	3.8	5.0	5.9	6.0	5.0	6.0	8.0	5.0	4.0	4.0	5.0	5.0
Acidity		mg/kg/wk as CaCO ₃	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity		uS/cm	17	20	17	17	17	20	4	15	15	16	15	31.584	23	19	18	33	12	14	18	20	22
Sulphate		mg/kg/wk	2.8	2	2.4	3	2.5	3	2.6	2	2.6	2	2.5	3	2.9	3	3.1	5	1.5	2	2.4	3	2.6
Silver		mg/kg/wk	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000096	-	0.000099	-	0.000099	-	0.000100	-	0.000099	-	0.000100	-
Aluminum		mg/kg/wk	-	0.0197	-	0.0196	-	0.0099	-	0.0099	-	0.0096	-	0.0099	-	0.0199	-	0.0100	-	0.0099	-	0.0100	-
Arsenic		mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium		mg/kg/wk	-	0.0002	-	0.0001	-	0.0001	-	0.0004	-	0.0002	-	0.0003	-	0.0001	-	0.0002	-	0.0001	-	0.0002	-
Beryllium		mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron		mg/kg/wk	-	0.0024	-	0.0025	-	0.0024	-	0.0013	-	0.0014	-	0.0020	-	0.0016	-	0.0033	-	0.0021	-	0.0017	-
Bismuth		mg/kg/wk	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000096	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-
Calcium		mg/kg/wk	-	0.7	-	0.7	-	0.7	-	0.7	-	0.6	-	0.8	-	0.8	-	1.3	-	0.6	-	0.8	-
Cadmium		mg/kg/wk	-	0.0000030	-	0.0000029	-	0.0000030	-	0.0000030	-	0.0000096	-	0.0000286	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt		mg/kg/wk	-	0.00001	-	0.00001	-	0.00001	-	0.00000	-	0.00012	-	0.00003	-	0.00004	-	0.00001	-	0.00001	-	0.00001	-
Chromium		mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00048	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Copper		mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00067	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00060	-
Iron		mg/kg/wk	-	0.0030	-	0.0039	-	0.0030	-	0.0030	-	0.0077	-	0.0030	-	0.0030	-	0.0100	-	0.0030	-	0.0030	-
Potassium		mg/kg/wk	-	2.7	-	2.7	-	2.7	-	2.7	-	2.4	-	2.5	-	2.4	-	2.4	-	2.7	-	2.7	-
Lithium		mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium		mg/kg/wk	-	0.6	-	0.6	-	0.6	-	0.6	-	0.5	-	0.7	-	0.7	-	1.1	-	0.5	-	0.7	-
Manganese		mg/kg/wk	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.003	-	0.002	-	0.002	-
Molybdenum		mg/kg/wk	-	0.0002	-	0.0003	-	0.0003	-	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0004	-	0.0002	-	0.0002	-
Sodium		mg/kg/wk	-	0.21	-	0.22	-	0.20	-	0.18	-	0.15	-	0.17	-	0.17	-	0.30	-	0.13	-	0.15	-
Nickel		mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0004	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Phosphorus		mg/kg/wk	-	0.0089	-	0.0088	-	0.0089	-	0.0089	-	0.0086	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0090	-
Lead		mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000040	-
Antimony		mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00019	-	0.00039	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Selenium		mg/kg/wk	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00096	-	0.00099	-	0.00099	-	0.00100	-	0.00099	-	0.00100	-
Silicon		mg/kg/wk	-	0.95	-	1.03	-	0.94	-	0.88	-	0.76	-	0.94	-	0.83	-	1.68	-	0.92	-	1.02	-
Tin		mg/kg/wk	-	0.00010	-	0.00016	-	0.00014	-	0.00012	-	0.00007	-	0.00103	-	0.00014	-	0.00014	-	0.00018	-	0.00042	-
Strontium		mg/kg/wk	-	0.004	-	0.004	-	0.004	-	0.004	-	0.003	-	0.004	-	0.004	-	0.007	-	0.003	-	0.004	-
Titanium		mg/kg/wk	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00096	-	0.00099	-	0.00099	-	0.000100	-	0.00099	-	0.000100	-
Thallium		mg/kg/wk	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-
Uranium		mg/kg/wk	-	0.000024	-	0.000021	-	0.000022	-	0.000021	-	0.000021	-	0.000021	-	0.000019	-	0.000019	-	0.000015	-	0.000015	-
Vanadium		mg/kg/wk	-	0.000168	-	0.000206	-	0.000188	-	0.000158	-	0.000153	-	0.000138	-	0.000109	-	0.000328	-	0.000149	-	0.000150	-
Tungsten		mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium		mg/kg/wk	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000010	-	0.0000020	-	0.0000010	-	0.0000010	-	0.0000010	-
Zinc		mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercurv		mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 12 - Standard Humidity Cell MRARD10-105

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	998	1006	1005	1004	994	1002	992	992	984	996	995
pH	no unit	6.93	6.84	6.94	7.05	6.94	7.28	7.04	6.93	6.8	7.14	6.85
Alkalinity	mg/kg/wk as CaCO ₃	4.0	4.0	4.0	4.0	4.0	6.0	4.96	5.0	3.936	4.0	3.98
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	1.984	2.0	1.968	2.0	1.99
Conductivity	uS/cm	22	18	22	23	34	20	24	19	19	21	20
Sulphate	mg/kg/wk	3	2.4	2	2.5	2	2.5	2.48	2.4	2.2632	2.3	2.2885
Silver	mg/kg/wk	0.0000100	-	0.0000101	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000100
Aluminum	mg/kg/wk	0.0100	-	0.0101	-	0.0099	-	0.0099	-	0.0098	-	0.0100
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.0001	-	0.0002	-	0.0001	-	0.0003	-	0.0009	-	0.0005
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.0000198	-	0.0000197	-	0.0000199
Boron	mg/kg/wk	0.0016	-	0.0017	-	0.0015	-	0.00298	-	0.00177	-	0.00109
Bismuth	mg/kg/wk	0.0000100	-	0.0000101	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000100
Calcium	mg/kg/wk	0.7	-	0.7	-	0.7	-	0.72	-	0.71	-	0.71
Cadmium	mg/kg/wk	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030
Cobalt	mg/kg/wk	0.00003	-	0.00001	-	0.00003	-	0.00002	-	0.00000	-	0.00001
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050
Iron	mg/kg/wk	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0118	-	0.0030
Potassium	mg/kg/wk	2.4	-	2.4	-	2.3	-	2.38	-	2.22	-	2.21
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.000992	-	0.000984	-	0.000995
Magnesium	mg/kg/wk	0.6	-	0.6	-	0.6	-	0.62	-	0.62	-	0.62
Manganese	mg/kg/wk	0.002	-	0.002	-	0.002	-	0.0025	-	0.0023	-	0.0025
Molybdenum	mg/kg/wk	0.0002	-	0.0002	-	0.0002	-	0.000149	-	0.000138	-	0.000209
Sodium	mg/kg/wk	0.14	-	0.13	-	0.13	-	0.14	-	0.12	-	0.12
Nickel	mg/kg/wk	0.0001	-	0.0001	-	0.0002	-	0.000099	-	0.000098	-	0.000199
Phosphorus	mg/kg/wk	0.0090	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0090
Lead	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00050	-	0.00030	-	0.00030
Selenium	mg/kg/wk	0.00100	-	0.00101	-	0.00099	-	0.000040	-	0.000039	-	0.000040
Silicon	mg/kg/wk	1.04	-	1.04	-	0.90	-	0.97	-	0.87	-	0.88
Tin	mg/kg/wk	0.00021	-	0.00017	-	0.00009	-	0.00018	-	0.00022	-	0.00014
Strontium	mg/kg/wk	0.004	-	0.004	-	0.004	-	0.0043	-	0.0042	-	0.0040
Titanium	mg/kg/wk	0.000100	-	0.000101	-	0.000099	-	0.000099	-	0.000098	-	0.000100
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.000017	-	0.000014	-	0.000012	-	0.000025	-	0.000015	-	0.000019
Vanadium	mg/kg/wk	0.000150	-	0.000151	-	0.000119	-	0.00014	-	0.00012	-	0.00004
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.00008	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	0.0000010	-	0.0000010	-	0.0000010	-	0.00000099	-	0.00000098	-	0.00000100
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	0.0000099	-	0.0000098	-	0.0000100

Table 12 - Standard Humidity Cell MRARD10-105

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	992	992	991	995	997	993	991	998	995	987	992	988	993	991	988	993
pH	no unit	6.82	7	6.66	6.73	6.89	6.89	6.79	7.02	7.12	6.83	6.06	6.68	7.03	6.94	6.32	6.37
Alkalinity	mg/kg/wk as CaCO ₃	4.0	3.968	4.0	3.98	4.0	3.972	4.0	3.992	4.0	3.948	4.0	2.964	6.0	3.964	19.8	2.979
Acidity	mg/kg/wk as CaCO ₃	2.0	1.984	2.0	1.99	3.0	1.986	2.0	1.996	2.0	1.974	2.0	1.976	2.0	1.982	2.0	1.986
Conductivity	uS/cm	20	18	20	17	20	24	18	20	24	22	18	19	28	17	16	17
Sulphate	mg/kg/wk	2.4	2.48	2.4	2.2885	2.2	2.1846	2.3	2.2954	2.5	2.3688	2.9	2.7664	4.8	1.8829	2.2	2.5818
Silver	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000396	-	0.0000099
Aluminium	mg/kg/wk	-	0.0397	-	0.0100	-	0.0099	-	0.0200	-	0.0099	-	0.0099	-	0.0297	-	0.0099
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.0001	-	0.0002	-	0.0002	-	0.0013	-	0.0002	-	0.0001	-	0.0001	-	0.0004
Beryllium	mg/kg/wk	-	0.0000198	-	0.0000199	-	0.0000199	-	0.0000200	-	0.0000197	-	0.0000198	-	0.0000198	-	0.0000199
Boron	mg/kg/wk	-	0.00149	-	0.00100	-	0.00129	-	0.00130	-	0.00128	-	0.00148	-	0.00069	-	0.00129
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	-	0.72	-	0.68	-	0.67	-	0.65	-	0.65	-	0.68	-	0.53	-	0.68
Cadmium	mg/kg/wk	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030
Cobalt	mg/kg/wk	-	0.00002	-	0.00002	-	0.00001	-	0.00001	-	0.00001	-	0.00000	-	0.00003	-	0.00003
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00050
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0039	-	0.0030	-	0.0030	-	0.0030
Potassium	mg/kg/wk	-	2.18	-	2.02	-	2.07	-	2.13	-	2.02	-	2.06	-	1.75	-	2.04
Lithium	mg/kg/wk	-	0.000992	-	0.000995	-	0.000993	-	0.000998	-	0.000987	-	0.000988	-	0.000991	-	0.000993
Magnesium	mg/kg/wk	-	0.62	-	0.59	-	0.59	-	0.56	-	0.56	-	0.59	-	0.47	-	0.58
Manganese	mg/kg/wk	-	0.0024	-	0.0022	-	0.0023	-	0.0023	-	0.0025	-	0.0029	-	0.0020	-	0.0025
Molybdenum	mg/kg/wk	-	0.000139	-	0.000129	-	0.000099	-	0.000150	-	0.000158	-	0.000079	-	0.000129	-	0.000129
Sodium	mg/kg/wk	-	0.11	-	0.10	-	0.10	-	0.10	-	0.10	-	0.09	-	0.08	-	0.09
Nickel	mg/kg/wk	-	0.000099	-	0.000100	-	0.000099	-	0.000100	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Phosphorus	mg/kg/wk	-	0.0089	-	0.0090	-	0.0089	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0089
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000138	-	0.000020	-	0.000020	-	0.000040
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00039	-	0.00049	-	0.00020	-	0.00040
Selenium	mg/kg/wk	-	0.000040	-	0.000100	-	0.000040	-	0.000040	-	0.000039	-	0.000040	-	0.000040	-	0.000040
Silicon	mg/kg/wk	-	0.92	-	0.84	-	0.86	-	0.98	-	0.94	-	0.91	-	0.87	-	0.97
Tin	mg/kg/wk	-	0.00022	-	0.00025	-	0.00025	-	0.00026	-	0.00029	-	0.00028	-	0.00024	-	0.00030
Strontium	mg/kg/wk	-	0.0041	-	0.0039	-	0.0040	-	0.0038	-	0.0038	-	0.0039	-	0.0031	-	0.0038
Titanium	mg/kg/wk	-	0.000099	-	0.000100	-	0.000099	-	0.000100	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000014	-	0.000012	-	0.000010	-	0.000022	-	0.000014	-	0.000009	-	0.000010	-	0.000023
Vanadium	mg/kg/wk	-	0.00011	-	0.00015	-	0.00008	-	0.00013	-	0.00014	-	0.00015	-	0.00011	-	0.00014
Tungsten	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Yttrium	mg/kg/wk	-	0.00000099	-	0.00000100	-	0.00000099	-	0.00000100	-	0.00000099	-	0.00000099	-	0.00000099	-	0.00000199
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000198	-	0.0000099

Analyte	Unit	Wk#0 18/May/11	Wk#1 25/May/11	Wk#2 1/June/11	Wk#3 8/June/11	Wk#4 15/June/11	Wk#5 22-June-11	Wk#6 29-June-11	Wk#7 06-July-11	Wk#8 13/Jul/11	Wk# 9 20/Jul/11	Wk#10 27/Jul/11	Wk#11 3/Aug/11	Wk#12 10/Aug/11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	846	1000	980	989	889	994	978	995	978	982	982	990	989
	no unit	6.39	6.54	6.42	6.42	6.79	6.43	6.49	6.56	6.43	6.43	6.41	6.45	6.43
Alkalinity	mg/kg/wk as CaCO ₃	1.7	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	1.7	3.0	2.0	2.0	2.0	4.0	2.9	2.0	2.0	3.0	2.0	2.0	2.0
Conductivity	uS/cm	174	327	257	96	204	138	70	48	32	31	28	22	21
Sulphate	mg/kg/wk	48	170	98	34	72	53	23.5	16	10.8	9	9.3	7	6.6
Silver	mg/kg/wk	0.0000085	0.0000100	0.0000098	0.0000099	0.0000099	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-
Aluminum	mg/kg/wk	0.0085	0.0100	0.0098	0.0099	0.0099	0.0099	-	0.0100	-	0.0100	-	0.0099	-
Arsenic	mg/kg/wk	0.00017	0.00050	0.00020	0.00020	0.00030	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.0006	0.0023	0.0014	0.0007	0.0013	0.0008	-	0.0004	-	0.0003	-	0.0002	-
Beryllium	mg/kg/wk	0.000017	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.0048	0.0193	0.0118	0.0076	0.0107	0.0083	-	0.0062	-	0.0046	-	0.0031	-
Bismuth	mg/kg/wk	0.0000085	0.0000100	0.0000098	0.0000099	0.0000099	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-
Calcium	mg/kg/wk	9.3	28.6	20.3	7.9	15.8	11.6	-	4.2	-	2.4	-	1.7	-
Cadmium	mg/kg/wk	0.0000076	0.0000170	0.0000049	0.0000030	0.0000168	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt	mg/kg/wk	0.00075	0.00181	0.00135	0.00074	0.00114	0.00083	-	0.00053	-	0.00046	-	0.00041	-
Chromium	mg/kg/wk	0.00042	0.00050	0.00049	0.00049	0.00049	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	0.00042	0.00050	0.00049	0.00049	0.00049	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Iron	mg/kg/wk	0.0017	0.0020	0.0020	0.0020	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Potassium	mg/kg/wk	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	-	0.0017	-	0.0017	-	0.0017	-
Lithium	mg/kg/wk	0.0017	0.0030	0.0020	0.0010	0.0020	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	9.3	30.2	16.5	4.2	10.8	6.8	-	2.2	-	1.3	-	0.9	-
Manganese	mg/kg/wk	0.312	1.660	1.215	0.726	1.087	0.879	-	0.531	-	0.452	-	0.406	-
Molybdenum	mg/kg/wk	0.0005	0.0007	0.0005	0.0004	0.0005	0.0004	-	0.0003	-	0.0002	-	0.0003	-
Sodium	mg/kg/wk	0.19	0.55	0.25	0.06	0.14	0.09	-	0.03	-	0.02	-	0.01	-
Nickel	mg/kg/wk	0.0002	0.0021	0.0002	0.0002	0.0001	0.0006	-	0.0003	-	0.0001	-	0.0001	-
Phosphorus	mg/kg/wk	0.0076	0.0320	0.0294	0.0089	0.0089	0.0109	-	0.0090	-	0.0100	-	0.0089	-
Lead	mg/kg/wk	0.000017	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	0.00025	0.00020	0.00020	0.00020	0.00020	0.00020	-	0.00030	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	0.00169	0.00900	0.00490	0.00099	0.00395	0.00199	-	0.00100	-	0.00100	-	0.00099	-
Silicon	mg/kg/wk	0.10	0.34	0.25	0.18	0.24	0.21	-	0.19	-	0.14	-	0.17	-
Tin	mg/kg/wk	0.00060	0.00090	0.00047	0.00014	0.00027	0.00018	-	0.00020	-	0.00023	-	0.00018	-
Strontium	mg/kg/wk	0.032	0.095	0.057	0.016	0.038	0.026	-	0.009	-	0.005	-	0.004	-
Titanium	mg/kg/wk	0.000085	0.000100	0.000098	0.000099	0.000099	0.000099	-	0.000100	-	0.000100	-	0.000099	-
Thallium	mg/kg/wk	0.00017	0.00002	0.00002	0.00002	0.00002	0.00002	-	0.00002	-	0.00002	-	0.00002	-
Uranium	mg/kg/wk	0.0000117	0.000012	0.000012	0.000012	0.000012	0.000012	-	0.000012	-	0.000012	-	0.000012	-
Vanadium	mg/kg/wk	0.000025	0.000020	0.000108	0.000030	0.000049	0.000049	-	0.000030	-	0.000030	-	0.000030	-
Tungsten	mg/kg/wk	0.00003	0.00005	0.00008	0.00003	0.00003	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium	mg/kg/wk	0.0000558	0.0001160	0.0000706	0.0000287	0.0000474	0.0000417	-	0.0000129	-	0.0000090	-	0.0000059	-
Zinc	mg/kg/wk	0.0017	0.0020	0.0020	0.0020	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-

[illegible]

Analyte		Unit	Wk#32 29-Jan-11	Wk#33 04-Feb-12	Wk#34 11-Jan-12	Wk#35 18-Feb-12	Wk#36 25-Feb-12	Wk#37 01-Mar-12	Wk#38 08-Mar-12	Wk#39 15-Feb-12	Wk#40 22-Mar-12	Wk#41 29-Mar-12	Wk#42 07-Apr-12	Wk#43 14-Apr-12	Wk#44 21-Apr-12	Wk#45 28-Apr-12	Wk#46 04-May-12	Wk#47 11-May-12	Wk#48 18-May-12	Wk#49 25-May-12	Wk#50 02-Jun-12	Wk#51 09-Jun-12	Wk#52 ##-##-12
Leachate Volume Added (mL)		mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)		mL	995	986	983	983	987	987	991	992	988	984	986	994	996	990	994	990	994	995	987	1000	1001
pH		no unit	6.24	6.1	6.24	6.35	6.49	6.18	6.02	6.31	6.13	6.2	6.19	6.2	6.22	6.1	5.97	5.95	6.24	6.18	6.01	6.07	6.25
Alkalinity		mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity		mg/kg/wk as CaCO ₃	2.0	2.0	4.9	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	3.0	2.0	2.0	2.0	4.0	10.9	2.0	2.0	2.0	4.0
Conductivity		uS/cm	15	14	15	3	14	14	11	3	13	12	22.862	11	14	14	14	26	14	14	15	15	15
Sulphate		mg/kg/wk	4.7	4	3.9	4	4.1	4	4.1	4	4.0	4	4.4	4	4.1	4	4.0	3	4.0	4	3.9	4	3.9
Silver		mg/kg/wk	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-	0.000100	-
Aluminum		mg/kg/wk	-	0.0099	-	0.0098	-	0.0099	-	0.0099	-	0.0098	-	0.0099	-	0.0199	-	0.0099	-	0.0100	-	0.0100	-
Arsenic		mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium		mg/kg/wk	-	0.0002	-	0.0002	-	0.0002	-	0.0004	-	0.0003	-	0.0003	-	0.0004	-	0.0002	-	0.0002	-	0.0007	-
Beryllium		mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron		mg/kg/wk	-	0.0012	-	0.0014	-	0.0014	-	0.0002	-	0.0008	-	0.0011	-	0.0006	-	0.0008	-	0.0014	-	0.0009	-
Bismuth		mg/kg/wk	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-	0.000100	-
Calcium		mg/kg/wk	-	0.7	-	0.8	-	0.8	-	0.7	-	0.7	-	0.7	-	0.7	-	0.6	-	0.7	-	0.7	-
Cadmium		mg/kg/wk	-	0.0000030	-	0.0000059	-	0.0000030	-	0.0000030	-	0.0000039	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-	0.0000030	-
Cobalt		mg/kg/wk	-	0.00062	-	0.00058	-	0.00064	-	0.00066	-	0.00062	-	0.00072	-	0.00072	-	0.00070	-	0.00080	-	0.00086	-
Chromium		mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Copper		mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00060	-
Iron		mg/kg/wk	-	0.0030	-	0.0029	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-
Potassium		mg/kg/wk	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-
Lithium		mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium		mg/kg/wk	-	0.5	-	0.5	-	0.5	-	0.5	-	0.5	-	0.5	-	0.5	-	0.4	-	0.4	-	0.5	-
Manganese		mg/kg/wk	-	0.605	-	0.698	-	0.676	-	0.727	-	0.773	-	0.833	-	0.803	-	0.767	-	0.868	-	0.920	-
Molybdenum		mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0000	-	0.0001	-	0.0001	-	0.0000	-
Sodium		mg/kg/wk	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-
Nickel		mg/kg/wk	-	0.0001	-	0.0001	-	0.0004	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Phosphorus		mg/kg/wk	-	0.0089	-	0.0088	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-	0.0090	-
Lead		mg/kg/wk	-	0.000020	-	0.000020	-	0.000049	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000060	-
Antimony		mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Selenium		mg/kg/wk	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.00100	-	0.00100	-
Silicon		mg/kg/wk	-	0.12	-	0.12	-	0.12	-	0.11	-	0.11	-	0.14	-	0.11	-	0.13	-	0.12	-	0.14	-
Tin		mg/kg/wk	-	0.00014	-	0.00018	-	0.00014	-	0.00010	-	0.00016	-	0.00013	-	0.00010	-	0.00010	-	0.00015	-	0.00047	-
Strontium		mg/kg/wk	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.001	-	0.001	-	0.001	-	0.002	-
Titanium		mg/kg/wk	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.000100	-	0.000100	-
Thallium		mg/kg/wk	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-	0.00002	-
Uranium		mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000002	-	0.000002	-	0.000002	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-
Vanadium		mg/kg/wk	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Tungsten		mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Yttrium		mg/kg/wk	-	0.0000020	-	0.0000039	-	0.0000049	-	0.0000030	-	0.0000049	-	0.0000020	-	0.0000040	-	0.0000040	-	0.0000080	-	0.0000050	-
Zinc		mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercurv		mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 13 - Standard Humidity Cell MRARD10-120

Analyte	Unit	Wk#53 23-May-12	Wk#54 30-May-12	Wk#55 05-Jun-12	Wk#56 13-Jun-12	Wk#57 20-Jun-12	Wk#58 27-Jun-12	Wk#59 04-Jul-12	Wk#60 11-Jul-12	Wk#61 18-Jul-12	Wk#62 25-Jul-12	Wk#63 01-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	991	1008	998	1004	1002	1001	995	992	987	994	993
pH	no unit	6.16	6.35	5.75	5.89	6.26	6.44	6.36	6.12	6.17	5.86	6.28
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0
Conductivity	uS/cm	18	13	12	20	13	13	18	12	13	14	14
Sulphate	mg/kg/wk	4	3.4	3	3.6	4	3.4	3.3	3.2	3.5	3.8	3.4
Silver	mg/kg/wk	0.0000099	-	0.0000100	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	0.0099	-	0.0100	-	0.0100	-	0.0100	-	0.0099	-	0.0099
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.0003	-	0.0002	-	0.0002	-	0.00070	-	0.00038	-	0.00021
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.0008	-	0.0008	-	0.0008	-	0.0020	-	0.0009	-	0.0004
Bismuth	mg/kg/wk	0.0000099	-	0.0000100	-	0.0000100	-	0.000010	-	0.000010	-	0.000010
Calcium	mg/kg/wk	0.7	-	0.5	-	0.6	-	0.56	-	0.56	-	0.56
Cadmium	mg/kg/wk	0.0000030	-	0.0000030	-	0.0000030	-	0.000011	-	0.000020	-	0.000003
Cobalt	mg/kg/wk	0.00089	-	0.00072	-	0.00093	-	0.00089	-	0.00094	-	0.00087
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00059	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050
Iron	mg/kg/wk	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030
Potassium	mg/kg/wk	0.1	-	0.1	-	0.1	-	0.12	-	0.10	-	0.12
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.00100	-	0.00099	-	0.00099
Magnesium	mg/kg/wk	0.5	-	0.4	-	0.4	-	0.39	-	0.39	-	0.39
Manganese	mg/kg/wk	0.846	-	0.782	-	0.827	-	0.92	-	0.91	-	0.97
Molybdenum	mg/kg/wk	0.0000	-	0.0001	-	0.0001	-	0.000050	-	0.000079	-	0.000109
Sodium	mg/kg/wk	0.01	-	0.01	-	0.01	-	0.010	-	0.020	-	0.010
Nickel	mg/kg/wk	0.0001	-	0.0001	-	0.0024	-	0.000100	-	0.000296	-	0.000199
Phosphorus	mg/kg/wk	0.0089	-	0.0090	-	0.0090	-	0.0090	-	0.0099	-	0.0089
Lead	mg/kg/wk	0.000050	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00040	-	0.00030	-	0.00020
Selenium	mg/kg/wk	0.00099	-	0.00100	-	0.00100	-	0.00028	-	0.00032	-	0.00024
Silicon	mg/kg/wk	0.16	-	0.11	-	0.11	-	0.13	-	0.13	-	0.13
Tin	mg/kg/wk	0.00048	-	0.00017	-	0.00010	-	0.00017	-	0.00031	-	0.00014
Strontium	mg/kg/wk	0.001	-	0.001	-	0.001	-	0.0017	-	0.0014	-	0.0010
Titanium	mg/kg/wk	0.000099	-	0.000100	-	0.000100	-	0.000100	-	0.000099	-	0.000099
Thallium	mg/kg/wk	0.00002	-	0.00002	-	0.00002	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.000001	-	0.000001	-	0.000001	-	0.0000010	-	0.0000059	-	0.0000010
Vanadium	mg/kg/wk	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	0.00003	-	0.00003	-	0.00003	-	0.000080	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	0.0000020	-	0.0000040	-	0.0000040	-	0.0000060	-	0.0000039	-	0.0000010
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0030	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	0.0000100	-	0.0000099	-	0.0000099

Table 13 - Standard Humidity Cell MRARD10-120

Analyte	Unit	Wk#64 08-Aug-12	Wk#65 15-Aug-12	Wk#66 22-Aug-12	Wk#67 29-Aug-12	Wk#68 05-Sep-12	Wk#69 12-Sep-12	Wk#70 19-Sep-12	Wk#71 26-Sep-12	Wk#72 03-Oct-12	Wk#73 10-Oct-12	Wk#74 17-Oct-12	Wk#75 24-Oct-12	Wk#76 31-Oct-12	Wk#77 07-Nov-12	Wk#78 14-Nov-12	Wk#79 21-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	995	999	995	1001	991	1002	998	996	994	990	1007	992	992	996	986	998
pH	no unit	6.3	6.3	6.69	6.09	6.31	6.28	6.11	6.12	6.31	6	5.67	6.4	6.27	6.25	6.25	5.85
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	4.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	2.0
Conductivity	uS/cm	15	12	15	11	12	19	12	16	19	16	18	15	19	14	16	16
Sulphate	mg/kg/wk	3.4	3.5	3.4	3.3	3.2	3.2	3.4	3.3	3.5	3.3	3.5	3.8	5.4	3.2	3.2	3.4
Silver	mg/kg/wk	-	0.0000100	-	0.0000100	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000100	-	0.000010
Aluminium	mg/kg/wk	-	0.0100	-	0.0100	-	0.0100	-	0.0100	-	0.0099	-	0.0099	-	0.0100	-	0.010
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.00023	-	0.00019	-	0.00022	-	0.00022	-	0.00030	-	0.00021	-	0.00021	-	0.00057
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.0007	-	0.0003	-	0.0006	-	0.0007	-	0.0006	-	0.0007	-	0.0002	-	0.0022
Bismuth	mg/kg/wk	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.0000100
Calcium	mg/kg/wk	-	0.55	-	0.50	-	0.49	-	0.47	-	0.46	-	0.53	-	0.46	-	0.98
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000007	-	0.000009	-	0.000014
Cobalt	mg/kg/wk	-	0.00094	-	0.00092	-	0.00097	-	0.00099	-	0.00102	-	0.00116	-	0.00105	-	0.0012
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00060	-	0.00060	-	0.00050	-	0.00050	-	0.00050	-	0.00090
Iron	mg/kg/wk	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0030
Potassium	mg/kg/wk	-	0.11	-	0.09	-	0.10	-	0.10	-	0.09	-	0.10	-	0.09	-	0.13
Lithium	mg/kg/wk	-	0.00100	-	0.00100	-	0.00100	-	0.00100	-	0.00099	-	0.00099	-	0.00100	-	0.00100
Magnesium	mg/kg/wk	-	0.39	-	0.35	-	0.36	-	0.33	-	0.34	-	0.38	-	0.33	-	0.36
Manganese	mg/kg/wk	-	0.98	-	0.87	-	0.97	-	0.88	-	1.00	-	1.14	-	1.01	-	0.96
Molybdenum	mg/kg/wk	-	0.000060	-	0.000050	-	0.000030	-	0.000050	-	0.000079	-	0.000010	-	0.000040	-	0.00019
Sodium	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.18
Nickel	mg/kg/wk	-	0.000100	-	0.000100	-	0.000100	-	0.000100	-	0.000099	-	0.000198	-	0.000199	-	0.00080
Phosphorus	mg/kg/wk	-	0.0090	-	0.0090	-	0.0090	-	0.0090	-	0.0089	-	0.0089	-	0.0090	-	0.0090
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000070
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00040	-	0.00020	-	0.00060
Selenium	mg/kg/wk	-	0.00015	-	0.00034	-	0.00025	-	0.00025	-	0.00033	-	0.00031	-	0.00018	-	0.00027
Silicon	mg/kg/wk	-	0.13	-	0.11	-	0.12	-	0.12	-	0.13	-	0.14	-	0.12	-	0.10
Tin	mg/kg/wk	-	0.00015	-	0.00018	-	0.00023	-	0.00020	-	0.00022	-	0.00022	-	0.00019	-	0.00030
Strontium	mg/kg/wk	-	0.0012	-	0.0012	-	0.0012	-	0.0011	-	0.0017	-	0.0012	-	0.0011	-	0.0020
Titanium	mg/kg/wk	-	0.000100	-	0.000100	-	0.000100	-	0.000100	-	0.000099	-	0.000099	-	0.000100	-	0.000100
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.0000020	-	0.0000030	-	0.0000010	-	0.0000010	-	0.0000050	-	0.0000040	-	0.0000020	-	0.0000090
Vanadium	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.00013
Yttrium	mg/kg/wk	-	0.0000040	-	0.0000050	-	0.0000040	-	0.0000080	-	0.0000040	-	0.0000040	-	0.0000060	-	0.000018
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	0.0000100	-	0.0000100	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.000020	-	0.000010

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	816	927	937	979	983	954	976	979	982	976	979	980	977	982
pH	no unit	6.79	6.52	6.26	6.3	6.7	6.53	6.35	6.36	6.3	6.34	6.28	6.11	6.18	6.44
Alkalinity	mg/kg/wk as CaCO ₃	3.3	1.9	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	1.6	1.9	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.9	2.0	2.0
Conductivity	uS/cm	16	18	3	18	19	19	12	14	3	2	3	3	11	3
Sulphate	mg/kg/wk	1.3	1.9	1.1	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.9	0.7	0.8	0.6
Silver	mg/kg/wk	0.000082	0.000093	0.000094	0.000098	0.000098	0.000095	-	0.000098	-	0.000098	-	0.000098	-	0.000098
Aluminum	mg/kg/wk	0.14	0.093	0.049	0.049	0.039	-	0.048	-	0.020	-	0.029	-	-	0.020
Arsenic	mg/kg/wk	0.00016	0.00019	0.00028	0.00020	0.00039	0.00029	-	0.00020	-	0.00020	-	0.00020	-	0.00029
Barium	mg/kg/wk	0.00091	0.00076	0.00117	0.00054	0.0013	0.0005	-	0.0005	-	0.0003	-	0.0003	-	0.0003
Beryllium	mg/kg/wk	0.000016	0.000019	0.000019	0.000020	0.000020	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.015	0.027	0.017	0.016	0.014	0.014	-	0.014	-	0.011	-	0.010	-	0.009
Bismuth	mg/kg/wk	0.000082	0.000093	0.000094	0.000098	0.000098	0.000095	-	0.000098	-	0.000098	-	0.000098	-	0.000098
Calcium	mg/kg/wk	0.033	0.019	0.440	0.020	0.020	0.019	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000011	0.000007	0.000012	0.000003	0.000016	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000004
Cobalt	mg/kg/wk	0.00019	0.00040	0.00055	0.00033	0.00035	0.00030	-	0.00013	-	0.00002	-	0.00007	-	0.00003
Chromium	mg/kg/wk	0.00041	0.00046	0.00047	0.00049	0.00049	0.00048	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00041	0.00046	0.00056	0.00049	0.00049	0.00048	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Iron	mg/kg/wk	0.20	0.10	0.14	0.05	0.040	0.047	-	0.031	-	0.025	-	0.017	-	0.015
Potassium	mg/kg/wk	0.069	0.055	0.068	0.056	0.047	0.044	-	0.038	-	0.038	-	0.037	-	0.031
Lithium	mg/kg/wk	0.0016	0.0019	0.0009	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.087	0.044	0.088	0.025	0.020	0.021	-	0.014	-	0.011	-	0.008	-	0.007
Manganese	mg/kg/wk	0.0056	0.0055	0.0037	0.0016	0.0014	0.0014	-	0.0030	-	0.0006	-	0.0005	-	0.0006
Molybdenum	mg/kg/wk	0.0022	0.00025	0.00016	0.00035	0.000079	0.000496	-	0.001889	-	0.000088	-	0.000039	-	0.000098
Sodium	mg/kg/wk	2.3	2.8	2.5	2.7	2.5	2.1	-	2.1	-	2.1	-	1.8	-	1.6
Nickel	mg/kg/wk	0.000082	0.000093	0.000094	0.000098	0.000098	0.000095	-	0.000098	-	0.000098	-	0.000098	-	0.000098
Phosphorus	mg/kg/wk	0.073	0.083	0.084	0.137	0.088	0.086	-	0.088	-	0.088	-	0.088	-	0.088
Lead	mg/kg/wk	0.00016	0.00006	0.00007	0.00004	0.000049	0.000029	-	0.000059	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00024	0.00046	0.00037	0.00039	0.00039	0.00038	-	0.00029	-	0.00029	-	0.00029	-	0.00020
Selenium	mg/kg/wk	0.00082	0.00093	0.00094	0.00098	0.00098	0.00095	-	0.00098	-	0.00098	-	0.00098	-	0.00098
Silicon	mg/kg/wk	0.73	1.7	1.9	2.0	1.6	1.6	-	1.6	-	1.7	-	1.5	-	1.4
Tin	mg/kg/wk	0.00027	0.00015	0.00007	0.00011	0.000059	0.000076	-	0.000039	-	0.000166	-	0.000010	-	0.000196
Strontium	mg/kg/wk	0.00024	0.00009	0.00084	0.00010	0.00029	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0091	0.0047	0.0060	0.0025	0.0022	0.0025	-	0.0018	-	0.0011	-	0.0008	-	0.0010
Thallium	mg/kg/wk	0.000016	0.000019	0.000019	0.000020	0.000020	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00016	0.00005	0.00006	0.00005	0.000041	0.000032	-	0.000048	-	0.000045	-	0.000043	-	0.000133
Vanadium	mg/kg/wk	0.00018	0.00015	0.00016	0.00012	0.00013	0.00008	-	0.00021	-	0.00010	-	0.00006	-	0.00010
Tungsten	mg/kg/wk	0.00041	0.00056	0.00067	0.00095	0.00069	0.00063	-	0.0011	-	0.0012	-	0.0012	-	0.0020
Yttrium	mg/kg/wk	0.000068	0.000037	0.000073	0.000022	0.000020	0.000024	-	0.000015	-	0.000014	-	0.000008	-	0.000015
Zinc	mg/kg/wk	0.0016	0.0019	0.0019	0.0020	0.0020	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 14 - NP Depleted Humidity Cell 5172

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12	Wk#30 03-Apr-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	983	978	977	984	979	975	976	979	981	980	988	983	983	976	989	985	987
pH	no unit	6.4	6.45	6.15	6.37	6.32	6.29	6.29	6.26	6.31	6.2	6.26	6.17	6.16	6.38	6.32	6.26	6.22
Alkalinity	g/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	g/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	3	2	2	2	2	2	5	5	5	2	2	2	5	2	2	2	2
Sulphate	mg/kg/wk	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6
Silver	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000099	-
Aluminum	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.030	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.0004	-	0.0002	-	0.0003	-	0.0002	-	0.0002	-	0.0003	-	0.0003	-	0.0003	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.010	-	0.007	-	0.007	-	0.007	-	0.008	-	0.008	-	0.008	-	0.009	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000099	-
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-
Cadmium	mg/kg/wk	-	0.000004	-	0.000003	-	0.000004	-	0.000004	-	0.000007	-	0.000003	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000007	-	0.000002	-	0.000008	-	0.000002	-	0.000002	-	0.000010	-	0.000004	-	0.000030	-
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.011	-	0.012	-	0.013	-	0.014	-	0.011	-	0.014	-	0.014	-	0.009	-
Potassium	mg/kg/wk	-	0.031	-	0.023	-	0.021	-	0.028	-	0.025	-	0.027	-	0.030	-	0.024	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.007	-	0.005	-	0.005	-	0.005	-	0.005	-	0.004	-	0.006	-	0.005	-
Manganese	mg/kg/wk	-	0.0007	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-	0.0004	-
Molybdenum	mg/kg/wk	-	0.000068	-	0.000118	-	0.000059	-	0.000039	-	0.000049	-	0.000069	-	0.000088	-	0.000020	-
Sodium	mg/kg/wk	-	1.3	-	1.2	-	1.1	-	1.0	-	1.0	-	1.2	-	1.2	-	0.9	-
Nickel	mg/kg/wk	-	0.000098	-	0.000098	-	0.000098	-	0.000098	-	0.000098	-	0.000098	-	0.000098	-	0.000099	-
Phosphorus	mg/kg/wk	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000029	-	0.000039	-	0.000029	-	0.000049	-	0.000039	-	0.000039	-
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00029	-	0.00020	-	0.00029	-	0.00020	-	0.00029	-	0.00030	-
Selenium	mg/kg/wk	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00099	-
Silicon	mg/kg/wk	-	1.4	-	1.2	-	1.2	-	1.2	-	1.2	-	1.4	-	1.5	-	1.3	-
Tin	mg/kg/wk	-	0.000078	-	0.000030	-	0.000049	-	0.000059	-	0.000059	-	0.000069	-	0.000107	-	0.000079	-
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	-	0.0008	-	0.0007	-	0.0007	-	0.0006	-	0.0006	-	0.0004	-	0.0007	-	0.0005	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000039	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000033	-	0.000044	-	0.000033	-	0.000033	-	0.000037	-	0.000039	-	0.002499	-	0.000032	-
Vanadium	mg/kg/wk	-	0.00007	-	0.00007	-	0.00008	-	0.00010	-	0.00008	-	0.00009	-	0.00011	-	0.00006	-
Tungsten	mg/kg/wk	-	0.0015	-	0.0016	-	0.0015	-	0.0017	-	0.0018	-	0.0021	-	0.0025	-	0.0020	-
Yttrium	mg/kg/wk	-	0.000017	-	0.000009	-	0.000016	-	0.000019	-	0.000018	-	0.000017	-	0.000016	-	0.000013	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0029	-	-	-	-	-	-	-

Table 14 - NP Depleted Humidity Cell 5172

Analyte	Unit	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12	Wk#48 07-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	982	989	987	989	992	991	984	990	988	990	989	994	987	1001	991	981	994	991
pH	no unit	6.23	6.19	6.28	6.11	5.92	6.32	6.04	6.02	6.02	5.87	6.03	5.81	5.86	5.97	6.24	5.96	6.16	6.06
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	3.0	22.8	2.0	5.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	5	5	2	5	6	13	4	5	17	5	11	12	7	8	5	8	6	5
Sulphate	mg/kg/wk	0.5	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.4	0.6
Silver	mg/kg/wk	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-
Aluminum	mg/kg/wk	0.010	-	0.010	-	0.020	-	0.020	-	0.030	-	0.020	-	0.020	-	0.020	-	0.010	-
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.0003	-	0.0005	-	0.0004	-	0.0004	-	0.0006	-	0.0008	-	0.0004	-	0.0003	-	0.0013	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.007	-	0.008	-	0.007	-	0.006	-	0.006	-	0.007	-	0.011	-	0.007	-	0.005	-
Bismuth	mg/kg/wk	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-
Cadmium	mg/kg/wk	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000012	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	0.000015	-	0.000012	-	0.000007	-	0.000002	-	0.000008	-	0.000032	-	0.000038	-	0.000002	-	0.000002	-
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-
Iron	mg/kg/wk	0.006	-	0.007	-	0.011	-	0.009	-	0.007	-	0.008	-	0.010	-	0.006	-	0.006	-
Potassium	mg/kg/wk	0.027	-	0.026	-	0.031	-	0.034	-	0.027	-	0.034	-	0.036	-	0.027	-	0.034	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.003	-	0.005	-	0.006	-	0.004	-	0.002	-	0.004	-	0.005	-	0.003	-	0.001	-
Manganese	mg/kg/wk	0.0057	-	0.0006	-	0.0062	-	0.0005	-	0.0011	-	0.0009	-	0.0018	-	0.0004	-	0.0004	-
Molybdenum	mg/kg/wk	0.000020	-	0.000039	-	0.000020	-	0.000010	-	0.000603	-	0.000059	-	0.000079	-	0.000674	-	0.000040	-
Sodium	mg/kg/wk	0.9	-	0.8	-	0.9	-	0.8	-	0.8	-	0.8	-	0.8	-	0.8	-	0.8	-
Nickel	mg/kg/wk	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000198	-	0.000099	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	0.0088	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	0.000039	-	0.000039	-	0.000050	-	0.000039	-	0.000040	-	0.000040	-	0.000059	-	0.000050	-	0.000030	-
Antimony	mg/kg/wk	0.00020	-	0.00030	-	0.00030	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00040	-	0.00040	-
Selenium	mg/kg/wk	0.00098	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00004	-	0.00004	-	0.00012	-
Silicon	mg/kg/wk	1.3	-	1.2	-	1.2	-	1.3	-	1.3	-	1.1	-	1.2	-	1.2	-	1.1	-
Tin	mg/kg/wk	0.000079	-	0.000109	-	0.000129	-	0.000108	-	0.000020	-	0.000099	-	0.000099	-	0.000178	-	0.000179	-
Strontium	mg/kg/wk	0.00010	-	0.00010	-	0.00060	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	0.0004	-	0.0004	-	0.0006	-	0.0007	-	0.0004	-	0.0005	-	0.0004	-	0.0004	-	0.0003	-
Thallium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.000030	-	0.000032	-	0.000035	-	0.0000340	-	0.000025	-	0.000035	-	0.000034	-	0.000035	-	0.000053	-
Vanadium	mg/kg/wk	0.00007	-	0.00009	-	0.00007	-	0.00009	-	0.00005	-	0.00007	-	0.00006	-	0.00010	-	0.00003	-
Tungsten	mg/kg/wk	0.0023	-	0.0021	-	0.0025	-	0.0027	-	0.0022	-	0.0021	-	0.0030	-	0.0022	-	0.0016	-
Yttrium	mg/kg/wk	0.000010	-	0.000011	-	0.000013	-	0.000008	-	0.000009	-	0.000011	-	0.000013	-	0.000008	-	0.000001	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000099	-	0.0000099	-

Table 14 - NP Depleted Humidity Cell 5172

Analyte	Unit	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	985	982	970	1007	995	995	993	985	980	990	986	965	984	999	992	995
pH	no unit	5.94	6.26	5.81	6.12	6.07	6.3	6.11	6.21	6.03	6.34	6.05	6.34	5.86	6.17	6.08	5.91
Alkalinity	g/kg/wk as CaCO ₃	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0
Acidity	g/kg/wk as CaCO ₃	2.0	2.0	1.9	2.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	1.9	2.0	2.0	2.0	5.0
Conductivity	uS/cm	8	8	4	5	4	13	5	4	11	6	7	7	5	4	4	7
Sulphate	mg/kg/wk	0.6	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.4	0.5	0.6	0.6	0.5	0.5	0.6	0.5
Silver	mg/kg/wk	0.000099	-	0.000097	-	0.000100	-	0.000099	-	0.000098	-	0.000099	-	0.000098	-	0.000099	-
Aluminum	mg/kg/wk	0.039	-	0.019	-	0.010	-	0.020	-	0.020	-	0.030	-	0.069	-	0.030	-
Arsenic	mg/kg/wk	0.00020	-	0.00019	-	0.00020	-	0.00020	-	0.00059	-	0.00020	-	0.00020	-	0.00050	-
Barium	mg/kg/wk	0.0004	-	0.0004	-	0.00020	-	0.0004	-	0.0006	-	0.0005	-	0.0003	-	0.0004	-
Beryllium	mg/kg/wk	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.006	-	0.005	-	0.008	-	0.005	-	0.005	-	0.006	-	0.006	-	0.005	-
Bismuth	mg/kg/wk	0.000099	-	0.000097	-	0.000100	-	0.000099	-	0.000098	-	0.000099	-	0.000098	-	0.000099	-
Calcium	mg/kg/wk	0.020	-	0.019	-	0.020	-	0.020	-	0.020	-	0.020	-	0.098	-	0.050	-
Cadmium	mg/kg/wk	0.000003	-	0.000005	-	0.000003	-	0.000003	-	0.000003	-	0.000004	-	0.000008	-	0.000004	-
Cobalt	mg/kg/wk	0.000002	-	0.000022	-	0.000128	-	0.000007	-	0.000014	-	0.000006	-	0.000264	-	0.000020	-
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00377	-	0.00078	-	0.00049	-	0.00079	-	0.00050	-
Iron	mg/kg/wk	0.003	-	0.004	-	0.005	-	0.005	-	0.004	-	0.003	-	0.110	-	0.004	-
Potassium	mg/kg/wk	0.032	-	0.029	-	0.038	-	0.034	-	0.031	-	0.035	-	0.035	-	0.071	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.003	-	0.005	-	0.004	-	0.005	-	0.003	-	0.005	-	0.038	-	0.031	-
Manganese	mg/kg/wk	0.0006	-	0.0005	-	0.0020	-	0.0008	-	0.0007	-	0.0006	-	0.0107	-	0.0006	-
Molybdenum	mg/kg/wk	0.000020	-	0.000708	-	0.000100	-	0.000020	-	0.000167	-	0.000010	-	0.000010	-	0.000496	-
Sodium	mg/kg/wk	0.7	-	0.6	-	0.7	-	0.7	-	0.6	-	0.7	-	0.7	-	0.7	-
Nickel	mg/kg/wk	0.000099	-	0.000097	-	0.000697	-	0.000099	-	0.000098	-	0.000099	-	0.000098	-	0.000099	-
Phosphorus	mg/kg/wk	0.0089	-	0.0087	-	0.0090	-	0.0089	-	0.0088	-	0.0089	-	0.0089	-	0.0109	-
Lead	mg/kg/wk	0.000030	-	0.000058	-	0.000050	-	0.000070	-	0.000039	-	0.000030	-	0.000049	-	0.000060	-
Antimony	mg/kg/wk	0.00020	-	0.00049	-	0.00020	-	0.00030	-	0.00147	-	0.00049	-	0.00020	-	0.00040	-
Selenium	mg/kg/wk	0.00004	-	0.00006	-	0.00004	-	0.00007	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-
Silicon	mg/kg/wk	1.2	-	1.0	-	1.0	-	1.1	-	0.9	-	1.0	-	1.0	-	1.0	-
Tin	mg/kg/wk	0.000158	-	0.000146	-	0.000159	-	0.000149	-	0.000137	-	0.000207	-	0.000216	-	0.000288	-
Strontium	mg/kg/wk	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00039	-	0.00010	-
Titanium	mg/kg/wk	0.0003	-	0.0002	-	0.0003	-	0.0002	-	0.0002	-	0.0002	-	0.0005	-	0.0002	-
Thallium	mg/kg/wk	0.000020	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.000033	-	0.000038	-	0.000032	-	0.000044	-	0.000029	-	0.000055	-	0.000060	-	0.000041	-
Vanadium	mg/kg/wk	0.00006	-	0.00006	-	0.00017	-	0.00003	-	0.00004	-	0.00004	-	0.00003	-	0.00007	-
Tungsten	mg/kg/wk	0.0018	-	0.0018	-	0.0013	-	0.0012	-	0.0008	-	0.0013	-	0.0013	-	0.0012	-
Yttrium	mg/kg/wk	0.000007	-	0.000008	-	0.000006	-	0.000006	-	0.000004	-	0.000004	-	0.000001	-	0.000004	-
Zinc	mg/kg/wk	0.0020	-	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0039	-	0.0020	-
Mercury	mg/kg/wk	0.0000099	-	0.0000097	-	0.0000299	-	0.0000397	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000099	-

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	821	989	992	976	991	987	988	986	984	983	984	980	984	985
pH	no unit	6.84	6.43	6.58	6.56	6.67	6.97	6.66	6.69	6.67	6.61	6.64	6.71	6.59	6.62
Alkalinity	mg/kg/wk as CaCO ₃	3.3	3.0	3.0	2.9	3.0	3.9	3.0	3.0	2.0	2.0	3.0	2.0	2.0	3.0
Acidity	mg/kg/wk as CaCO ₃	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	12	16	3	3	8	21	7	10	3	2	8	15	2	3
Sulphate	mg/kg/wk	2.0	2.0	1.4	1.4	1.3	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.4
Silver	mg/kg/wk	0.000082	0.000099	0.000099	0.000098	0.000099	0.000099	-	0.000099	-	0.000098	-	0.000098	-	0.000099
Aluminum	mg/kg/wk	0.16	0.227	0.15	0.049	0.050	-	-	0.039	-	0.049	-	0.049	-	0.030
Arsenic	mg/kg/wk	0.00025	0.00030	0.00278	0.00020	0.00030	0.00069	-	0.00020	-	0.00020	-	0.00020	-	0.00030
Barium	mg/kg/wk	0.00035	0.00076	0.00044	0.00040	0.0006	0.0003	-	0.0004	-	0.0004	-	0.0002	-	0.0003
Beryllium	mg/kg/wk	0.000016	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.005	0.010	0.007	0.005	0.004	0.005	-	0.004	-	0.003	-	0.003	-	0.002
Bismuth	mg/kg/wk	0.000082	0.000099	0.000099	0.000098	0.000099	0.000099	-	0.000099	-	0.000098	-	0.000098	-	0.000099
Calcium	mg/kg/wk	0.016	0.020	0.020	0.020	0.020	-	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000037	0.000025	0.000011	0.000004	0.000023	0.000037	-	0.000018	-	0.000004	-	0.000003	-	0.000011
Cobalt	mg/kg/wk	0.00005	0.000053	0.000043	0.000032	0.000031	0.000035	-	0.000002	-	0.000004	-	0.000012	-	0.000006
Chromium	mg/kg/wk	0.00041	0.00049	0.00050	0.00049	0.00050	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00049	0.00049	0.00050	0.00049	0.00050	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00059
Iron	mg/kg/wk	0.07	0.09	0.06	0.02	0.018	0.017	-	0.017	-	0.026	-	0.012	-	0.012
Potassium	mg/kg/wk	0.071	0.127	0.096	0.055	0.050	0.040	-	0.052	-	0.064	-	0.044	-	0.043
Lithium	mg/kg/wk	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.039	0.051	0.036	0.012	0.012	0.009	-	0.009	-	0.015	-	0.009	-	0.006
Manganese	mg/kg/wk	0.0009	0.0013	0.0007	0.0003	0.0003	0.0002	-	0.0007	-	0.0002	-	0.0002	-	0.0002
Molybdenum	mg/kg/wk	0.0037	0.0087	0.0075	0.0050	0.0034	0.0035	-	0.0035	-	0.0027	-	0.0024	-	0.0019
Sodium	mg/kg/wk	1.6	2.4	1.9	2.1	1.8	1.7	-	1.8	-	1.9	-	1.6	-	1.7

Table 15 - NP Depleted Humidity Cell 5174

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12	Wk#30 03-Apr-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	982	984	982	985	984	984	983	985	985	986	985	984	987	987	986	985	984
pH	no unit	6.54	6.5	6.5	6.53	6.74	6.7	6.69	6.59	6.4	6.41	6.61	6.5	6.32	6.56	6.6	6.53	6.36
Alkalinity	g/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	2.0	2.0
Acidity	g/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	2	3	6	6	10	8	6	2	2	6	2	6	6	2	3	6	6
Sulphate	mg/kg/wk	1.2	1.2	1.3	1.0	1.0	1.1	1.0	1.1	1.1	1.0	1.0	1.0	0.9	0.9	1.2	0.9	0.8
Silver	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-
Aluminum	mg/kg/wk	-	0.020	-	0.020	-	0.030	-	0.020	-	0.010	-	0.020	-	0.030	-	0.030	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.0002	-	0.0002	-	0.0002	-	0.0001	-	0.0001	-	0.0002	-	0.0001	-	0.0002	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-	0.002	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-
Cadmium	mg/kg/wk	-	0.000008	-	0.000049	-	0.000035	-	0.000022	-	0.000023	-	0.000006	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000004	-	0.000002	-	0.000007	-	0.000002	-	0.000003	-	0.000005	-	0.000006	-	0.000028	-
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.003	-	0.006	-	0.009	-	0.007	-	0.006	-	0.008	-	0.021	-	0.006	-
Potassium	mg/kg/wk	-	0.031	-	0.036	-	0.039	-	0.040	-	0.037	-	0.039	-	0.037	-	0.033	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.004	-	0.003	-	0.006	-	0.005	-	0.004	-	0.005	-	0.005	-	0.006	-
Manganese	mg/kg/wk	-	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0002	-	0.0002	-
Molybdenum	mg/kg/wk	-	0.0016	-	0.0014	-	0.0014	-	0.0013	-	0.0012	-	0.0010	-	0.0012	-	0.0010	-
Sodium	mg/kg/wk	-	1.4	-	1.2	-	1.4	-	1.3	-	1.3	-	1.3	-	1.3	-	1.3	-
Nickel	mg/kg/wk	-	0.000098	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	-	0.0335	-	0.0493	-	0.0423	-	0.0424	-	0.0365	-	0.0413	-	0.0434	-	0.0296	-
Lead	mg/kg/wk	-	0.000108	-	0.000099	-	0.000148	-	0.000128	-	0.000118	-	0.000148	-	0.000109	-	0.000167	-
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00039	-	0.00020	-
Selenium	mg/kg/wk	-	0.00098	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-
Silicon	mg/kg/wk	-	0.9	-	0.8	-	0.9	-	0.8	-	0.8	-	0.8	-	0.8	-	0.7	-
Tin	mg/kg/wk	-	0.000138	-	0.000089	-	0.000118	-	0.000108	-	0.000108	-	0.000108	-	0.000158	-	0.000532	-
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	-	0.0002	-	0.0001	-	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000014	-	0.000014	-	0.000017	-	0.000014	-	0.000013	-	0.000014	-	0.000088	-	0.000012	-
Vanadium	mg/kg/wk	-	0.00003	-	0.00008	-	0.00004	-	0.00004	-	0.00003	-	0.00003	-	0.00005	-	0.00003	-
Tungsten	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0002	-	0.0001	-	0.0003	-	0.0001	-
Yttrium	mg/kg/wk	-	0.000010	-	0.000004	-	0.000011	-	0.000008	-	0.000005	-	0.000007	-	0.000003	-	0.000006	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0030	-	-	-	-	-	-	-

Table 15 - NP Depleted Humidity Cell 5174

Analyte	Unit	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12	Wk#48 07-Aug-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	991	983	990	989	976	989	990	986	990	988	987	988	978	992	980	989	970	
pH	no unit	6.48	6.4	6.43	6.51	6.39	6.65	6.52	6.28	6.71	6.28	6.63	6.73	6.52	6.44	6.34	6.51	6.43	6.5
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Conductivity	uS/cm	5	6	6	6	6	11	10	6	8	13	28	6	6	5	6	6	6	8
Sulphate	mg/kg/wk	0.8	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Silver	mg/kg/wk	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000198	-	0.0000099	-	0.0000198	-	0.0000198	-
Aluminum	mg/kg/wk	0.010	-	0.010	-	0.020	-	0.020	-	0.040	-	0.030	-	0.040	-	0.020	-	0.010	-
Arsenic	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	0.0002	-	0.0002	-	0.0002	-	0.0003	-	0.0002	-	0.0003	-	0.0003	-	0.0002	-	0.0005	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.002	-	0.003	-	0.002	-	0.002	-	0.002	-	0.002	-	0.005	-	0.002	-	0.001	-
Bismuth	mg/kg/wk	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-
Cadmium	mg/kg/wk	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000012	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	0.000004	-	0.000016	-	0.000007	-	0.000003	-	0.000013	-	0.000018	-	0.000031	-	0.000002	-	0.000002	-
Chromium	mg/kg/wk	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-
Copper	mg/kg/wk	0.00050	-	0.00228	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-
Iron	mg/kg/wk	0.005	-	0.009	-	0.006	-	0.006	-	0.006	-	0.007	-	0.014	-	0.006	-	0.006	-
Potassium	mg/kg/wk	0.031	-	0.032	-	0.042	-	0.040	-	0.041	-	0.047	-	0.052	-	0.036	-	0.040	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.004	-	0.008	-	0.006	-	0.006	-	0.004	-	0.005	-	0.010	-	0.006	-	0.004	-
Manganese	mg/kg/wk	0.0006	-	0.0003	-	0.0020	-	0.0002	-	0.0004	-	0.0004	-	0.0014	-	0.0002	-	0.0002	-
Molybdenum	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0008	-	0.0009	-	0.0010	-	0.0006	-
Sodium	mg/kg/wk	1.1	-	1.1	-	1.2	-	1.0	-	1.1	-	1.1	-	1.1	-	1.1	-	1.0	-
Nickel	mg/kg/wk	0.000099	-	0.000198	-	0.000098	-	0.000099	-	0.000099	-	0.000198	-	0.000099	-	0.000099	-	0.000198	-
Phosphorus	mg/kg/wk	0.0496	-	0.0317	-	0.0361	-	0.0436	-	0.0347	-	0.0395	-	0.0316	-	0.0357	-	0.0297	-
Lead	mg/kg/wk	0.000119	-	0.000149	-	0.000176	-	0.000158	-	0.000139	-	0.000138	-	0.000277	-	0.000139	-	0.000138	-
Antimony	mg/kg/wk	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-
Selenium	mg/kg/wk	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.00004	-	0.00004	-	0.00005	-
Silicon	mg/kg/wk	0.7	-	0.7	-	0.7	-	0.7	-	0.6	-	0.6	-	0.6	-	0.5	-	0.6	-
Tin	mg/kg/wk	0.000109	-	0.000168	-	0.000185	-	0.000158	-	0.000228	-	0.000089	-	0.000138	-	0.000149	-	0.000247	-
Strontium	mg/kg/wk	0.00010	-	0.00030	-	0.00020	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00030	-	0.00010	-
Titanium	mg/kg/wk	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0001	-	0.0001	-	0.0002	-	0.0002	-	0.0001	-
Thallium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.000015	-	0.000013	-	0.000015	-	0.000082	-	0.000028	-	0.000015	-	0.000020	-	0.000015	-	0.000013	-
Vanadium	mg/kg/wk	0.00003	-	0.00004	-	0.00004	-	0.00004	-	0.00005	-	0.00003	-	0.00003	-	0.00005	-	0.00003	-
Tungsten	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0008	-	0.0002	-	0.0000	-
Yttrium	mg/kg/wk	0.000007	-	0.000006	-	0.000006	-	0.000002	-	0.000007	-	0.000006	-	0.000014	-	0.000005	-	0.000003	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000198	-	0.0000099	-

Table 15 - NP Depleted Humidity Cell 5174

Analyte	Unit	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	981	986	980	990	991	992	992	1004	979	981	985	986	987	991	985	982
pH	no unit	6.37	6.29	6.81	6.4	6.46	6.32	6.21	6.5	6.11	6.36	6.72	6.32	6.5	6.18	4.64	6.32
Alkalinity	g/kg/wk as CaCO ₃	2.0	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.9	2.0	2.0	2.0	2.0	2.0
Acidity	g/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.8	2.0
Conductivity	uS/cm	10	8	14	5	13	5	5	11	6	10	17	11	5	4	26	5
Sulphate	mg/kg/wk	0.5	0.6	0.6	0.5	0.4	0.5	0.5	0.0	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.6
Silver	mg/kg/wk	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-
Aluminum	mg/kg/wk	0.020	-	0.020	-	0.010	-	0.010	-	0.020	-	0.020	-	0.030	-	0.010	-
Arsenic	mg/kg/wk	0.00029	-	0.00020	-	0.00020	-	0.00020	-	0.00049	-	0.00020	-	0.00020	-	0.00030	-
Barium	mg/kg/wk	0.0003	-	0.0002	-	0.0006	-	0.0002	-	0.0002	-	0.0002	-	0.0004	-	0.0001	-
Beryllium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	0.003	-	0.001	-	0.003	-	0.001	-	0.002	-	0.002	-	0.003	-	0.001	-
Bismuth	mg/kg/wk	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000591	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.059	-	0.020	-
Cadmium	mg/kg/wk	0.000003	-	0.000007	-	0.000003	-	0.000003	-	0.000003	-	0.000005	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	0.000040	-	0.000022	-	0.000042	-	0.000008	-	0.000016	-	0.000002	-	0.000017	-	0.000013	-
Chromium	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	0.00049	-	0.00049	-	0.00050	-	0.00188	-	0.00069	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	0.003	-	0.003	-	0.003	-	0.003	-	0.005	-	0.003	-	0.051	-	0.003	-
Potassium	mg/kg/wk	0.034	-	0.035	-	0.034	-	0.031	-	0.036	-	0.038	-	0.047	-	0.039	-
Lithium	mg/kg/wk	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	0.003	-	0.004	-	0.004	-	0.003	-	0.005	-	0.004	-	0.019	-	0.004	-
Manganese	mg/kg/wk	0.0030	-	0.0002	-	0.0006	-	0.0002	-	0.0004	-	0.0001	-	0.0005	-	0.0002	-
Molybdenum	mg/kg/wk	0.0007	-	0.0012	-	0.0005	-	0.0005	-	0.0007	-	0.0006	-	0.0006	-	0.0005	-
Sodium	mg/kg/wk	0.9	-	0.8	-	0.9	-	0.9	-	0.8	-	0.9	-	0.9	-	0.8	-
Nickel	mg/kg/wk	0.000098	-	0.000098	-	0.000297	-	0.000099	-	0.000098	-	0.000099	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	0.0363	-	0.0294	-	0.0248	-	0.0337	-	0.0225	-	0.0266	-	0.0355	-	0.0335	-
Lead	mg/kg/wk	0.000088	-	0.000127	-	0.000109	-	0.000119	-	0.000137	-	0.000069	-	0.000089	-	0.000059	-
Antimony	mg/kg/wk	0.00020	-	0.00029	-	0.00030	-	0.00020	-	0.00088	-	0.00049	-	0.00020	-	0.00030	-
Selenium	mg/kg/wk	0.00004	-	0.00004	-	0.00004	-	0.00007	-	0.00004	-	0.00004	-	0.00010	-	0.00004	-
Silicon	mg/kg/wk	0.5	-	0.5	-	0.4	-	0.5	-	0.5	-	0.5	-	0.5	-	0.4	-
Tin	mg/kg/wk	0.000118	-	0.000137	-	0.000159	-	0.000218	-	0.000245	-	0.000187	-	0.000237	-	0.000118	-
Strontium	mg/kg/wk	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Thallium	mg/kg/wk	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	0.000054	-	0.000019	-	0.000009	-	0.000012	-	0.000018	-	0.000013	-	0.000012	-	0.000013	-
Vanadium	mg/kg/wk	0.00003	-	0.00003	-	0.00004	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00004	-
Tungsten	mg/kg/wk	0.0000	-	0.0002	-	0.0001	-	0.0000	-	0.0001	-	0.0000	-	0.0000	-	0.0001	-
Yttrium	mg/kg/wk	0.000005	-	0.000008	-	0.000004	-	0.000004	-	0.000007	-	0.000003	-	0.000005	-	0.000002	-
Zinc	mg/kg/wk	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0049	-	0.0020	-
Mercury	mg/kg/wk	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	764	985	984	997	988	995	988	987	951	999	973	1003	999	987
pH	no unit	6.48	6.4	6.36	6.06	6.49	6.13	6.46	6.66	6.47	6.47	6.35	6.26	6.28	6.54
Alkalinity	mg/kg/wk as CaCO ₃	2.3	3.0	2.0	2.0	2.0	2.0	2.0	3.0	1.9	3.0	1.9	2.0	3.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	27.0	1.9	2.0	2.0	2.0
Conductivity	uS/cm	28	32	22	34	32	31	29	24	23	18	30	25	26	22
Sulphate	mg/kg/wk	3.4	9.6	7.2	8.1	9.1	8.0	8.2	8.4	8.1	8.4	8.2	7.3	7.4	7.7
Silver	mg/kg/wk	0.0000076	0.0000099	0.0000098	0.0000100	0.0000099	0.0000100	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099
Aluminum	mg/kg/wk	0.06	0.020	0.03	0.020	0.020	0.020	-	0.010	-	0.020	-	0.020	-	0.010
Arsenic	mg/kg/wk	0.00015	0.00020	0.00020	0.00020	0.00020	0.00040	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.000038	0.000039	0.000089	0.000030	0.000148	0.000050	-	0.000030	-	0.000040	-	0.000010	-	0.000030
Beryllium	mg/kg/wk	0.000015	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.004	0.011	0.009	0.009	0.009	0.010	-	0.008	-	0.008	-	0.006	-	0.006
Bismuth	mg/kg/wk	0.0000076	0.0000099	0.0000098	0.0000100	0.0000099	0.0000100	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099
Calcium	mg/kg/wk	0.015	0.020	0.020	0.020	0.020	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000002	0.000003	0.000003	0.000003	0.000003	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000005
Cobalt	mg/kg/wk	0.00004	0.000058	0.000037	0.000044	0.000036	0.000041	-	0.000006	-	0.000008	-	0.000014	-	0.000012
Chromium	mg/kg/wk	0.00038	0.00049	0.00049	0.00050	0.00049	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	0.00038	0.00049	0.00049	0.00050	0.00049	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Iron	mg/kg/wk	0.12	0.07	0.07	0.04	0.040	0.050	-	0.022	-	0.022	-	0.008	-	0.007
Potassium	mg/kg/wk	0.007	0.028	0.023	0.027	0.026	0.024	-	0.028	-	0.030	-	0.024	-	0.026
Lithium	mg/kg/wk	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.056	0.033	0.037	0.023	0.021	0.024	-	0.014	-	0.014	-	0.011	-	0.012
Manganese	mg/kg/wk	0.0007	0.0006	0.0005	0.0004	0.0004	0.0004	-	0.0005	-	0.0003	-	0.0005	-	0.0005
Molybdenum	mg/kg/wk	0.0012	0.00045	0.00107	0.00051	0.000563	0.000905	-	0.000326	-	0.000230	-	0.000130	-	0.000197
Sodium	mg/kg/wk	2.4	5.3	4.3	5.3	5.1	4.9	-	4.6	-	5.6	-	4.6	-	4.8
Nickel	mg/kg/wk	0.000229	0.000099	0.000197	0.000100	0.000099	0.000100	-	0.000099	-	0.000100	-	0.000100	-	0.000099
Phosphorus	mg/kg/wk	0.0069	0.0089	0.0089	0.0110	0.0089	0.0090	-	0.0109	-	0.0160	-	0.0171	-	0.0089
Lead	mg/kg/wk	0.00013	0.00002	0.00003	0.00002	0.000030	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00015	0.00030	0.00030	0.00030	0.00030	0.00040	-	0.00030	-	0.00030	-	0.00030	-	0.00020
Selenium	mg/kg/wk	0.00076	0.00197	0.00098	0.00199	0.00099	0.00100	-	0.00099	-	0.00100	-	0.00100	-	0.00099
Silicon	mg/kg/wk	0.62	1.5	1.5	1.6	1.6	1.8	-	1.6	-	2.0	-	1.5	-	1.6
Tin	mg/kg/wk	0.00029	0.00034	0.00019	0.00016	0.000099	0.000149	-	0.000079	-	0.000160	-	0.000050	-	0.000158
Strontium	mg/kg/wk	0.00008	0.00010	0.00010	0.00010	0.00010	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0002	0.0003	0.0003	0.0001	0.0004	0.0003	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	0.000015	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00001	0.00000	0.00000	0.00000	0.000003	0.000007	-	0.000001	-	0.000001	-	0.000009	-	0.000015
Vanadium	mg/kg/wk	0.00021	0.00018	0.00026	0.00018	0.00023	0.00017	-	0.00020	-	0.00026	-	0.00021	-	0.00027
Tungsten	mg/kg/wk	0.000053	0.000030	0.000108	0.000060	0.000030	0.000060	-	0.000030	-	0.000030	-	0.000030	-	0.001105
Yttrium	mg/kg/wk	0.000001	0.000001	0.000002	0.000001	0.000001	0.000003	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Zinc	mg/kg/wk	0.0015	0.0020	0.0020	0.0020	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 16 - NP Depleted Humidity Cell MRARD10-026

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	992	988	1004	980	986	984	979	986	988	986	985	984	993	988	1001	989
pH	no unit	6.7	6.6	6.24	6.34	6.37	6.45	6.37	6.38	6.39	6.41	6.33	6.34	6.78	6.82	6.61	6.4
Alkalinity	kg/kg/wk as CaCO ₃	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	5	21	5	26	21	20	4	22	25	4	25	21	24	20	20	26
Sulphate	mg/kg/wk	8.2	7.6	7.4	8.1	8.0	6.9	7.0	8.1	7.8	7.6	7.7	7.8	7.0	7.3	7.8	8.2
Silver	mg/kg/wk	-	0.000099	-	0.000098	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	-	0.020	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.020
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000030	-	0.000029	-	0.000059	-	0.000049	-	0.000049	-	0.000030	-	0.000030	-	0.000040
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.005	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004
Bismuth	mg/kg/wk	-	0.000099	-	0.000098	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000004	-	0.000003	-	0.000010
Cobalt	mg/kg/wk	-	0.000018	-	0.000017	-	0.000021	-	0.000024	-	0.000026	-	0.000028	-	0.000031	-	0.000061
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Iron	mg/kg/wk	-	0.014	-	0.011	-	0.014	-	0.014	-	0.015	-	0.015	-	0.006	-	0.003
Potassium	mg/kg/wk	-	0.027	-	0.026	-	0.027	-	0.035	-	0.030	-	0.030	-	0.035	-	0.033
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.019	-	0.017	-	0.021	-	0.024	-	0.025	-	0.025	-	0.026	-	0.035
Manganese	mg/kg/wk	-	0.0007	-	0.0006	-	0.0008	-	0.0010	-	0.0011	-	0.0012	-	0.0010	-	0.0018
Molybdenum	mg/kg/wk	-	0.000168	-	0.000167	-	0.000207	-	0.000217	-	0.000197	-	0.000157	-	0.000168	-	0.000099
Sodium	mg/kg/wk	-	4.5	-	4.2	-	4.1	-	4.1	-	4.1	-	4.2	-	4.0	-	4.2
Nickel	mg/kg/wk	-	0.000099	-	0.000098	-	0.000098	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000297
Phosphorus	mg/kg/wk	-	0.0138	-	0.0157	-	0.0187	-	0.0099	-	0.0197	-	0.0256	-	0.0277	-	0.0168
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	-	0.00099	-	0.00098	-	0.00098	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099
Silicon	mg/kg/wk	-	1.6	-	1.4	-	1.4	-	1.4	-	1.3	-	1.4	-	1.5	-	1.2
Tin	mg/kg/wk	-	0.000128	-	0.000059	-	0.000108	-	0.000128	-	0.000128	-	0.000118	-	0.000188	-	0.000188
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00020
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000001	-	0.000002	-	0.000001	-	0.000001	-	0.000002	-	0.000001	-	0.000207	-	0.000001
Vanadium	mg/kg/wk	-	0.00023	-	0.00028	-	0.00024	-	0.00029	-	0.00024	-	0.00023	-	0.00029	-	0.00018
Tungsten	mg/kg/wk	-	0.000030	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000079	-	0.000030
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0030	-	-	-	-	-	-

Table 16 - NP Depleted Humidity Cell MRARD10-026

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	995	983	995	987	996	997	1000	998	988	994	995	993	992	1004	996	995	981	987
pH	no unit	6.28	6.34	6.22	6.3	6.35	6.79	6.2	6.12	6.35	6.73	7.19	6.34	5.81	6.11	6.15	6.11	6.29	6.22
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	38.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	20	25	19	20	25	24	24	29	29	30	35	25	32	24	23	28	29	27
Sulphate	mg/kg/wk	7.6	7.6	7.4	7.3	7.7	7.9	7.3	7.8	9.9	7.7	10.9	7.3	10.9	7.4	7.1	9.8	7.5	7.6
Silver	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.020	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000059	-	0.000069	-	0.000070	-	0.000150	-	0.000070	-	0.000129	-	0.000120	-	0.001085	-	0.000306
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.003	-	0.004	-	0.004	-	0.004	-	0.003	-	0.003	-	0.005	-	0.004	-	0.003
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099
Calcium	mg/kg/wk	-	0.029	-	0.020	-	0.030	-	0.060	-	0.020	-	0.020	-	0.131	-	0.119	-	0.030
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000019	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000046	-	0.000046	-	0.000047	-	0.000069	-	0.000068	-	0.000069	-	0.000356	-	0.000083	-	0.000081
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00060	-	0.00159	-	0.01074	-	0.00935	-	0.00089
Iron	mg/kg/wk	-	0.004	-	0.006	-	0.007	-	0.004	-	0.004	-	0.011	-	0.012	-	0.062	-	0.006
Potassium	mg/kg/wk	-	0.036	-	0.033	-	0.041	-	0.046	-	0.043	-	0.055	-	0.058	-	0.054	-	0.059
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.035	-	0.034	-	0.039	-	0.047	-	0.048	-	0.047	-	0.059	-	0.073	-	0.069
Manganese	mg/kg/wk	-	0.0022	-	0.0018	-	0.0023	-	0.0023	-	0.0026	-	0.0026	-	0.0072	-	0.0049	-	0.0037
Molybdenum	mg/kg/wk	-	0.000098	-	0.000118	-	0.000100	-	0.000090	-	0.000169	-	0.000109	-	0.000120	-	0.000299	-	0.000089
Sodium	mg/kg/wk	-	3.9	-	3.5	-	4.1	-	4.0	-	4.1	-	3.8	-	3.7	-	4.3	-	3.9
Nickel	mg/kg/wk	-	0.000098	-	0.000395	-	0.000399	-	0.000200	-	0.000199	-	0.000397	-	0.000502	-	0.000398	-	0.000592
Phosphorus	mg/kg/wk	-	0.0226	-	0.0148	-	0.0229	-	0.0140	-	0.0189	-	0.0169	-	0.0151	-	0.0119	-	0.0109
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000039
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	-	0.00098	-	0.00099	-	0.00100	-	0.00100	-	0.00099	-	0.00099	-	0.00013	-	0.00028	-	0.00019
Silicon	mg/kg/wk	-	1.4	-	1.1	-	1.4	-	1.4	-	1.4	-	1.4	-	1.3	-	1.3	-	1.3
Tin	mg/kg/wk	-	0.000167	-	0.000197	-	0.000319	-	0.000269	-	0.000378	-	0.000199	-	0.000301	-	0.000328	-	0.000513
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00040	-	0.00318	-	0.00010
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0004	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000002	-	0.000001	-	0.000001	-	0.000018	-	0.000003	-	0.000001	-	0.000065	-	0.000004	-	0.000001
Vanadium	mg/kg/wk	-	0.00020	-	0.00019	-	0.00024	-	0.00026	-	0.00023	-	0.00024	-	0.00022	-	0.00022	-	0.00011
Tungsten	mg/kg/wk	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000482	-	0.000070	-	0.000030
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000003	-	0.000001	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0040	-	0.0020	-	0.0020	-	0.0060	-	0.0050	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000100	-	0.0000100	-	0.0000099

Table 16 - NP Depleted Humidity Cell MRARD10-026

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	982	994	989	1005	992	990	999	991	993	992	998	997	975	992	1006	1006	996
pH	no unit	6.08	6.26	5.81	6.01	6.04	6.32	6.23	6.46	5.98	6.24	6.06	5.96	5.85	6.15	5.01	5.17	5.82
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	5.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	5.0	2.0	2.0	2.0	10.1	5.0	4.0
Conductivity	uS/cm	27	27	28	25	20	21	34	24	21	22	21	23	23	21	44	27	25
Sulphate	mg/kg/wk	6.6	7.2	5.4	8.3	6.3	6.2	6.3	8.2	5.4	6.8	6.6	7.2	6.3	7.0	13.1	6.8	7.5
Silver	mg/kg/wk	-	0.0000099	-	0.0000101	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000101	-
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.040	-	0.010	-
Arsenic	mg/kg/wk	-	0.00060	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.000169	-	0.000231	-	0.000277	-	0.000218	-	0.000258	-	0.000209	-	0.000228	-	0.000342	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.004	-	0.003	-	0.004	-	0.002	-	0.002	-	0.003	-	0.004	-	0.002	-
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000101	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000399	-	0.0000099	-	0.0000101	-
Calcium	mg/kg/wk	-	0.050	-	0.201	-	0.030	-	0.198	-	0.030	-	0.060	-	0.099	-	0.101	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000008	-	0.000003	-	0.000010	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000128	-	0.000239	-	0.000122	-	0.000284	-	0.000183	-	0.000192	-	0.000371	-	0.000269	-
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	-	0.00109	-	0.03789	-	0.00257	-	0.05441	-	0.00149	-	0.00090	-	0.00060	-	0.00121	-
Iron	mg/kg/wk	-	0.003	-	0.288	-	0.004	-	0.316	-	0.003	-	0.003	-	0.035	-	0.021	-
Potassium	mg/kg/wk	-	0.066	-	0.068	-	0.061	-	0.077	-	0.069	-	0.090	-	0.103	-	0.117	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.082	-	0.103	-	0.089	-	0.122	-	0.132	-	0.160	-	0.217	-	0.228	-
Manganese	mg/kg/wk	-	0.0047	-	0.0073	-	0.0047	-	0.0095	-	0.0071	-	0.0085	-	0.0110	-	0.0116	-
Molybdenum	mg/kg/wk	-	0.000129	-	0.000231	-	0.000040	-	0.000069	-	0.000099	-	0.000020	-	0.000010	-	0.000080	-
Sodium	mg/kg/wk	-	3.5	-	3.4	-	3.2	-	3.2	-	2.8	-	2.9	-	2.9	-	2.7	-
Nickel	mg/kg/wk	-	0.000298	-	0.000402	-	0.000495	-	0.000595	-	0.000397	-	0.000499	-	0.000694	-	0.000704	-
Phosphorus	mg/kg/wk	-	0.0139	-	0.0090	-	0.0109	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0091	-
Lead	mg/kg/wk	-	0.000020	-	0.000030	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00079	-	0.00060	-	0.00020	-	0.00040	-
Selenium	mg/kg/wk	-	0.00005	-	0.00024	-	0.00016	-	0.00025	-	0.00017	-	0.00015	-	0.00010	-	0.00010	-
Silicon	mg/kg/wk	-	1.3	-	1.3	-	1.1	-	1.2	-	1.0	-	1.1	-	1.1	-	1.1	-
Tin	mg/kg/wk	-	0.000378	-	0.000382	-	0.000436	-	0.000436	-	0.000446	-	0.000389	-	0.000436	-	0.000322	-
Strontium	mg/kg/wk	-	0.00010	-	0.00030	-	0.00010	-	0.00020	-	0.00010	-	0.00020	-	0.00020	-	0.00010	-
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000007	-	0.000018	-	0.000001	-	0.000024	-	0.000001	-	0.000004	-	0.000001	-	0.000004	-
Vanadium	mg/kg/wk	-	0.00012	-	0.00011	-	0.00009	-	0.00005	-	0.00008	-	0.00008	-	0.00003	-	0.00006	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000050	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000001	-	0.000005	-	0.000001	-	0.000010	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-
Zinc	mg/kg/wk	-	0.0020	-	0.0060	-	0.0020	-	0.0050	-	0.0020	-	0.0020	-	0.0040	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000099	-	0.0000101	-	0.0000099	-	0.0000496	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000101	-

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk#9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	691	971	990	990	991	986	983	989	984	982	984	990	986	985
pH	no unit	6.38	6.14	6.27	6.72	6.61	6.32	6.63	6.72	6.78	6.57	6.45	6.32	6.71	6.82
Alkalinity	mg/kg/wk as CaCO3	2.8	2.9	3.0	4.0	5.0	3.9	3.9	3.0	3.0	2.9	3.0	3.0	3.0	2.0
Acidity	mg/kg/wk as CaCO3	2.1	20.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	29	114	34	6	34	32	28	28	5	16	4	23	4	4
Sulphate	mg/kg/wk	3.8	8.4	8.3	9.7	9.1	8.5	8.7	8.1	7.4	6.9	6.6	6.7	6.1	5.1
Silver	mg/kg/wk	0.000069	0.000097	0.000099	0.000099	0.000099	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	0.06	0.058	0.06	0.050	0.040	0.030	-	0.010	-	0.020	-	0.040	-	0.010
Arsenic	mg/kg/wk	0.00014	0.00019	0.00020	0.00020	0.00020	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.000021	0.000010	0.000020	0.000010	0.000050	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030
Beryllium	mg/kg/wk	0.000014	0.000019	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.011	0.018	0.014	0.015	0.011	0.011	-	0.007	-	0.007	-	0.006	-	0.005
Bismuth	mg/kg/wk	0.000069	0.000097	0.000099	0.000099	0.000099	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099
Calcium	mg/kg/wk	0.021	0.019	0.020	0.020	0.020	0.020	-	0.020	-	0.029	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000002	0.000003	0.000003	0.000003	0.000003	0.000003	-	0.000003	-	0.000005	-	0.000003	-	0.000015
Cobalt	mg/kg/wk	0.00006	0.000082	0.000067	0.000106	0.000086	0.000084	-	0.000045	-	0.000053	-	0.000057	-	0.000046
Chromium	mg/kg/wk	0.00035	0.00049	0.00050	0.00050	0.00050	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049
Copper	mg/kg/wk	0.00035	0.00049	0.00050	0.00050	0.00050	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049
Iron	mg/kg/wk	0.09	0.08	0.07	0.07	0.052	0.045	-	0.026	-	0.030	-	0.021	-	0.008
Potassium	mg/kg/wk	0.006	0.005	0.006	0.007	0.008	0.008	-	0.006	-	0.010	-	0.008	-	0.006
Lithium	mg/kg/wk	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.045	0.046	0.043	0.043	0.033	0.026	-	0.016	-	0.019	-	0.014	-	0.007
Manganese	mg/kg/wk	0.0005	0.0006	0.0005	0.0008	0.0005	0.0004	-	0.0004	-	0.0003	-	0.0003	-	0.0002
Molybdenum	mg/kg/wk	0.0007	0.00012	0.00044	0.00014	0.000129	0.000217	-	0.000089	-	0.000020	-	0.000010	-	0.000020
Sodium	mg/kg/wk	3.8	5.5	5.0	6.6	6.2	5.3	-	4.7	-	4.9	-	4.0	-	3.7
Nickel	mg/kg/wk	0.000346	0.000291	0.000297	0.000396	0.000198	0.000296	-	0.000198	-	0.000098	-	0.000198	-	0.000099
Phosphorus	mg/kg/wk	0.0062	0.0067	0.0089	0.0089	0.0089	0.0089	-	0.0089	-	0.0088	-	0.0089	-	0.0089
Lead	mg/kg/wk	0.00010	0.00002	0.00002	0.00002	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00021	0.00039	0.00030	0.00020	0.00030	0.00030	-	0.00020	-	0.00020	-	0.00040	-	0.00020
Selenium	mg/kg/wk	0.00069	0.00097	0.00099	0.00099	0.00099	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099
Silicon	mg/kg/wk	2.20	4.0	3.9	4.8	4.3	4.2	-	3.8	-	3.9	-	3.2	-	3.0
Tin	mg/kg/wk	0.00059	0.00046	0.00030	0.00023	0.000168	0.000227	-	0.000178	-	0.000246	-	0.000287	-	0.000384
Strontium	mg/kg/wk	0.00007	0.00010	0.00010	0.00010	0.00010	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0001	0.0002	0.0002	0.0002	0.0006	0.0005	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	0.000014	0.000019	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00001	0.00001	0.00001	0.00001	0.000004	0.000003	-	0.000001	-	0.000003	-	0.000001	-	0.000018
Vanadium	mg/kg/wk	0.00010	0.00011	0.00017	0.00015	0.00011	0.00003	-	0.00005	-	0.00006	-	0.00005	-	0.00006
Tungsten	mg/kg/wk	0.000028	0.000029	0.000069	0.000040	0.000030	0.000030	-	0.000030	-	0.000029	-	0.000030	-	0.000227
Yttrium	mg/kg/wk	0.000006	0.000006	0.000009	0.000010	0.000004	0.000003	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Zinc	mg/kg/wk	0.0014	0.0019	0.0020	0.0020	0.0040	0.0020	-	0.0020	-	0.0039	-	0.0040	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 17 - NP Depleted Humidity Cell MRARD10-048

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	988	987	984	987	989	986	990	988	986	990	993	984	993	986	992	992
pH	no unit	6.61	6.41	6.47	6.44	6.54	6.5	6.43	6.43	6.52	6.32	6.54	6.83	6.36	6.52	6.5	6.44
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
Conductivity	uS/cm	4	15	18	17	20	14	17	22	3	16	13	15	12	12	12	15
Sulphate	mg/kg/wk	5.4	5.1	5.1	4.7	4.5	4.5	4.5	4.4	4.2	4.2	4.0	3.9	3.9	3.9	4.0	3.9
Silver	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000010	-	0.000010	-	0.000039	-	0.000020	-	0.000020	-	0.000010	-	0.000010	-	0.000010
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.004	-	0.003	-	0.004	-	0.004	-	0.004	-	0.003	-	0.004	-	0.004
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000004	-	0.000003
Cobalt	mg/kg/wk	-	0.000042	-	0.000042	-	0.000060	-	0.000057	-	0.000058	-	0.000051	-	0.000054	-	0.000095
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00050
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00059	-	0.00049	-	0.00049	-	0.00050
Iron	mg/kg/wk	-	0.008	-	0.007	-	0.012	-	0.012	-	0.007	-	0.006	-	0.004	-	0.008
Potassium	mg/kg/wk	-	0.006	-	0.006	-	0.006	-	0.006	-	0.007	-	0.006	-	0.006	-	0.006
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.007	-	0.006	-	0.009	-	0.010	-	0.008	-	0.006	-	0.006	-	0.007
Manganese	mg/kg/wk	-	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0003	-	0.0002	-	0.0001	-	0.0004
Molybdenum	mg/kg/wk	-	0.000010	-	0.000010	-	0.000030	-	0.000020	-	0.000010	-	0.000020	-	0.000030	-	0.000010
Sodium	mg/kg/wk	-	2.8	-	2.8	-	2.8	-	2.7	-	2.7	-	2.5	-	2.5	-	2.5
Nickel	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000198
Phosphorus	mg/kg/wk	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099
Silicon	mg/kg/wk	-	2.7	-	2.4	-	2.4	-	2.3	-	2.2	-	2.2	-	2.5	-	2.2
Tin	mg/kg/wk	-	0.000316	-	0.000257	-	0.000296	-	0.000306	-	0.000307	-	0.000315	-	0.000325	-	0.000278
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000004	-	0.000003	-	0.000003	-	0.000002	-	0.000188	-	0.000061
Vanadium	mg/kg/wk	-	0.00003	-	0.00009	-	0.00004	-	0.00007	-	0.00003	-	0.00003	-	0.00004	-	0.00003
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000059	-	0.000030
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000002	-	0.000002	-	0.000001	-	0.000001	-	0.000001	-	0.000054
Zinc	mg/kg/wk	-	0.0020	-	0.0030	-	0.0030	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0030	-	-	-	-	-	-

Table 17 - NP Depleted Humidity Cell MRARD10-048

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	993	990	990	990	995	998	991	991	994	993	995	997	994	994	995	995	984	982
pH	no unit	6.63	6.45	6.06	6.39	6.39	6.3	6.54	6.35	6.38	5.74	6.78	6.46	6.72	6.35	6.28	6.2	6.14	6.19
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	12	14	14	14	14	14	17	17	13	12	19	31	11	13	11	11	12	13
Sulphate	mg/kg/wk	3.8	3.6	3.5	3.4	3.4	3.4	3.3	3.2	3.1	2.9	3.0	3.0	2.8	2.8	2.7	2.5	2.6	2.5
Silver	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000098
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000020	-	0.000050	-	0.000010	-	0.000218	-	0.000050	-	0.000030	-	0.000567	-	0.000050	-	0.000079
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.003	-	0.004	-	0.003	-	0.003	-	0.003	-	0.003	-	0.004	-	0.003	-	0.002
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000098
Calcium	mg/kg/wk	-	0.020	-	0.030	-	0.020	-	0.020	-	0.020	-	0.020	-	0.398	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000070	-	0.000083	-	0.000070	-	0.000096	-	0.000084	-	0.000109	-	0.000173	-	0.000081	-	0.000118
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00128
Iron	mg/kg/wk	-	0.004	-	0.004	-	0.003	-	0.003	-	0.003	-	0.006	-	0.009	-	0.003	-	0.024
Potassium	mg/kg/wk	-	0.006	-	0.006	-	0.006	-	0.010	-	0.006	-	0.014	-	0.019	-	0.008	-	0.010
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.007	-	0.008	-	0.007	-	0.008	-	0.006	-	0.011	-	0.013	-	0.010	-	0.009
Manganese	mg/kg/wk	-	0.0003	-	0.0003	-	0.0003	-	0.0003	-	0.0003	-	0.0004	-	0.0014	-	0.0006	-	0.0010
Molybdenum	mg/kg/wk	-	0.000010	-	0.000020	-	0.000010	-	0.000010	-	0.000040	-	0.000010	-	0.000050	-	0.000100	-	0.000079
Sodium	mg/kg/wk	-	2.3	-	2.1	-	2.2	-	2.0	-	1.9	-	1.9	-	1.8	-	1.7	-	1.7
Nickel	mg/kg/wk	-	0.000198	-	0.000396	-	0.000200	-	0.000694	-	0.000099	-	0.000299	-	0.000298	-	0.000199	-	0.000491
Phosphorus	mg/kg/wk	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-	0.0090	-	0.0088
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000039
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00100	-	0.00099	-	0.00099	-	0.00100	-	0.00004	-	0.00004	-	0.00006
Silicon	mg/kg/wk	-	2.3	-	2.1	-	2.3	-	2.2	-	2.2	-	2.0	-	2.0	-	1.9	-	2.0
Tin	mg/kg/wk	-	0.000218	-	0.000267	-	0.000250	-	0.000238	-	0.000268	-	0.000259	-	0.000427	-	0.000408	-	0.000638
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00477	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000004	-	0.000003	-	0.000002	-	0.000016	-	0.000005	-	0.000001	-	0.000065	-	0.000012	-	0.000003
Vanadium	mg/kg/wk	-	0.00003	-	0.00004	-	0.00004	-	0.00003	-	0.00008	-	0.00003	-	0.00003	-	0.00004	-	0.00003
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000457	-	0.000030	-	0.000029
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000002	-	0.000001	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000100	-	0.0000098

Table 17 - NP Depleted Humidity Cell MRARD10-048

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	990	992	997	990	761	988	986	993	989	986	991	993	1006	997	1002	993	993
pH	no unit	6.16	6.04	6.37	6.3	6.83	6.25	6.43	6.31	6.3	6.38	6.21	6.53	6.13	6.39	5.87	5.84	6.69
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	4.0	2.0	2.0	2.0	1.5	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	13	11	14	8	9	29	9	7	8	13	8	15	13	6	5	12	6
Sulphate	mg/kg/wk	2.4	2.4	2.3	2.5	1.4	2.0	2.0	1.8	1.8	1.7	1.7	1.6	1.3	1.4	1.2	1.2	1.3
Silver	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-	0.000099	-
Aluminum	mg/kg/wk	-	0.020	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.020	-	0.010	-
Arsenic	mg/kg/wk	-	0.00079	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.000069	-	0.000030	-	0.000415	-	0.000477	-	0.000030	-	0.000338	-	0.000010	-	0.000020	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.004	-	0.002	-	0.004	-	0.002	-	0.003	-	0.003	-	0.003	-	0.002	-
Bismuth	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000100	-	0.000099	-
Calcium	mg/kg/wk	-	0.040	-	0.020	-	0.020	-	0.030	-	0.020	-	0.020	-	0.040	-	0.040	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000180	-	0.000192	-	0.000218	-	0.000235	-	0.000340	-	0.000299	-	0.000572	-	0.000628	-
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00239	-	0.00050	-
Iron	mg/kg/wk	-	0.003	-	0.003	-	0.004	-	0.003	-	0.004	-	0.004	-	0.037	-	0.006	-
Potassium	mg/kg/wk	-	0.011	-	0.009	-	0.008	-	0.011	-	0.010	-	0.008	-	0.017	-	0.032	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.010	-	0.012	-	0.015	-	0.015	-	0.018	-	0.001	-	0.033	-	0.042	-
Manganese	mg/kg/wk	-	0.0006	-	0.0006	-	0.0008	-	0.0008	-	0.0009	-	0.0013	-	0.0015	-	0.0017	-
Molybdenum	mg/kg/wk	-	0.000040	-	0.0000208	-	0.000010	-	0.000745	-	0.000158	-	0.000010	-	0.000010	-	0.000050	-
Sodium	mg/kg/wk	-	1.6	-	1.4	-	1.4	-	1.3	-	1.2	-	0.9	-	0.9	-	0.8	-
Nickel	mg/kg/wk	-	0.000298	-	0.000198	-	0.000395	-	0.000397	-	0.000493	-	0.000497	-	0.000798	-	0.000993	-
Phosphorus	mg/kg/wk	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-	0.0089	-
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000050	-	0.000020	-	0.000030	-
Antimony	mg/kg/wk	-	0.00020	-	0.00030	-	0.00040	-	0.00020	-	0.00069	-	0.00050	-	0.00020	-	0.00040	-
Selenium	mg/kg/wk	-	0.00004	-	0.00011	-	0.00004	-	0.00011	-	0.00004	-	0.00009	-	0.00004	-	0.00004	-
Silicon	mg/kg/wk	-	2.1	-	1.9	-	1.9	-	2.0	-	1.9	-	2.0	-	2.1	-	2.1	-
Tin	mg/kg/wk	-	0.000337	-	0.000347	-	0.000385	-	0.000427	-	0.000523	-	0.000497	-	0.000429	-	0.000894	-
Strontium	mg/kg/wk	-	0.00020	-	0.00010	-	0.00049	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0014	-	0.0001	-	0.0001	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000016	-	0.000010	-	0.000016	-	0.000027	-	0.000008	-	0.000008	-	0.000002	-	0.000006	-
Vanadium	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00018	-	0.00010	-	0.00003	-	0.00003	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000039	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000006	-	0.000001	-	0.000001	-
Zinc	mg/kg/wk	-	0.0030	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000198	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-	0.0000099	-

Analyte	Unit	Wk#0 6/Sep/10	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	785	947	937	958	953	939	965	972	984	980	980	983	977	980
pH	no unit	6.08	6.16	5.94	5.95	6.51	5.57	6.15	6.27	5.76	5.9	5.94	5.78	5.64	6.3
Alkalinity	mg/kg/wk as CaCO ₃	2.4	1.9	1.9	1.9	2.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	6.3	9.5	9.4	1.9	2.9	7.5	2.9	1.9	3.9	2.0	2.0	4.9	2.9	2.0
Conductivity	uS/cm	148	105	67	62	76	73	67	49	63	33	39	35	42	32
Sulphate	mg/kg/wk	23.6	35.0	28.1	25.9	22.9	22.5	24.1	21.4	19.7	17.6	17.6	14.7	13.7	12.7
Silver	mg/kg/wk	0.0000079	0.0000095	0.0000094	0.0000096	0.0000095	0.0000094	-	0.0000097	-	0.0000098	-	0.0000098	-	0.0000098
Aluminum	mg/kg/wk	0.03	0.019	0.03	0.010	0.010	0.009	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	0.00039	0.00019	0.00019	0.00019	0.00019	0.00019	-	0.00019	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.000024	0.000047	0.000056	0.000038	0.000048	0.000028	-	0.000029	-	0.000029	-	0.000020	-	0.000039
Beryllium	mg/kg/wk	0.000016	0.000019	0.000019	0.000019	0.000019	0.000019	-	0.000019	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.017	0.036	0.027	0.025	0.020	0.020	-	0.019	-	0.018	-	0.016	-	0.014
Bismuth	mg/kg/wk	0.0000079	0.0000095	0.0000094	0.0000096	0.0000095	0.0000094	-	0.0000097	-	0.0000098	-	0.0000098	-	0.0000098
Calcium	mg/kg/wk	0.14	0.45	0.38	0.41	0.38	0.36	-	0.33	-	0.33	-	0.29	-	0.26
Cadmium	mg/kg/wk	0.000002	0.000007	0.000003	0.000003	0.000003	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000004
Cobalt	mg/kg/wk	0.00022	0.000811	0.000709	0.000861	0.000881	0.001146	-	0.001196	-	0.001176	-	0.001180	-	0.001294
Chromium	mg/kg/wk	0.00039	0.00047	0.00047	0.00048	0.00048	0.00047	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00039	0.00047	0.00047	0.00048	0.00048	0.00047	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Iron	mg/kg/wk	0.06	0.05	0.04	0.02	0.021	0.015	-	0.015	-	0.013	-	0.011	-	0.006
Potassium	mg/kg/wk	0.048	0.072	0.058	0.057	0.053	0.053	-	0.052	-	0.053	-	0.047	-	0.040
Lithium	mg/kg/wk	0.0016	0.0019	0.0019	0.0010	0.0010	0.0009	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.097	0.220	0.186	0.181	0.172	0.173	-	0.171	-	0.164	-	0.145	-	0.137
Manganese	mg/kg/wk	0.0054	0.0187	0.0150	0.0144	0.0135	0.0130	-	0.0137	-	0.0118	-	0.0107	-	0.0110
Molybdenum	mg/kg/wk	0.0007	0.00008	0.00030	0.00006	0.000095	0.000113	-	0.000039	-	0.000010	-	0.000010	-	0.000020
Sodium	mg/kg/wk	11.9	17.1	13.7	12.1	1									
Nickel	mg/kg/wk	0.001	0.002	0.002	0.002	0.002	0.003	-	0.003	-	0.003	-	0.003	-	0.003
Phosphorus	mg/kg/wk	0.0071	0.0085	0.0084	0.0086	0.0086	0.0085	-	0.0087	-	0.0088	-	0.0088	-	0.0088
Lead	mg/kg/wk	0.00006	0.00005	0.00005	0.00002	0.000019	0.000019	-	0.000019	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00016	0.00028	0.00028	0.00019	0.00019	0.00019	-	0.00029	-	0.00029	-	0.00029	-	0.00020
Selenium	mg/kg/wk	0.00079	0.00189	0.00094	0.00096	0.00094	0.00094	-	0.00097	-	0.00098	-	0.00098	-	0.00098
Silicon	mg/kg/wk	0.66	1.4	1.3	1.2	1.1	1	-	1.1	-	1.7	-	1.5	-	1.5
Tin	mg/kg/wk	0.00042	0.00037	0.00018	0.00012	0.000057	0.000150	-	0.000097	-	0.000108	-	0.000010	-	0.000118
Strontium	mg/kg/wk	0.00008	0.00009	0.00019	0.00010	0.000019	0.00009	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0005	0.0007	0.0005	0.0002	0.0002	0.0002	-	0.0001	-	0.0002	-	0.0001	-	0.0002
Thallium	mg/kg/wk	0.000016	0.000019	0.000019	0.000019	0.000019	0.000019	-	0.000019	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00004	0.00002	0.00000	0.00000	0.000006	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000007
Vanadium	mg/kg/wk	0.00018	0.00011	0.00012	0.00006	0.00008	0.00003	-	0.00004	-	0.00008	-	0.00006	-	0.00010
Tungsten	mg/kg/wk	0.000024	0.000028	0.000056	0.000029	0.000029	0.000028	-	0.000029	-	0.000029	-	0.000029	-	0.000040
Yttrium	mg/kg/wk	0.000002	0.000002	0.000002	0.000001	0.000002	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Zinc	mg/kg/wk	0.0016	0.0019	0.0019	0.0019	0.0019	0.0019	-	0.0019	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 18 - NP Depleted Humidity Cell MRARD10-051

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	979	980	981	981	984	980	983	980	979	978	978	983	981	984	982	982
pH	no unit	5.98	5.95	5.79	5.99	5.91	5.88	5.86	5.97	5.89	5.75	5.91	5.93	5.75	6	5.9	5.98
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.9	2.0	2.0	2.0	3.9	2.0	2.0	3.9	2.0	2.0	2.0
Conductivity	uS/cm	5	28	36	5	32	5	24	30	23	4	22	21	25	27	26	19
Sulphate	mg/kg/wk	12.7	11.8	12.8	10.8	10.8	9.8	10.8	10.8	9.8	9.8	9.0	8.7	8.4	8.8	8.7	8.2
Silver	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.029
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000039	-	0.000059	-	0.000029	-	0.000029	-	0.000039	-	0.000029	-	0.000020	-	0.000029
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.012	-	0.009	-	0.010	-	0.009	-	0.010	-	0.008	-	0.008	-	0.009
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098	-	0.0000098
Calcium	mg/kg/wk	-	0.24	-	0.24	-	0.28	-	0.30	-	0.34	-	0.38	-	0.41	-	0.49
Cadmium	mg/kg/wk	-	0.000005	-	0.000003	-	0.000005	-	0.000008	-	0.000003	-	0.000004	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.001441	-	0.001432	-	0.001617	-	0.001842	-	0.002083	-	0.002231	-	0.002568	-	0.003097
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00069	-	0.00049	-	0.00049	-	0.00049	-	0.00059
Iron	mg/kg/wk	-	0.006	-	0.010	-	0.008	-	0.008	-	0.008	-	0.008	-	0.009	-	0.009
Potassium	mg/kg/wk	-	0.031	-	0.039	-	0.040	-	0.046	-	0.043	-	0.042	-	0.053	-	0.042
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.133	-	0.139	-	0.163	-	0.176	-	0.206	-	0.217	-	0.251	-	0.305
Manganese	mg/kg/wk	-	0.0109	-	0.0102	-	0.0129	-	0.0135	-	0.0156	-	0.0164	-	0.0185	-	0.0230
Molybdenum	mg/kg/wk	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010
Sodium	mg/kg/wk	-	4.7	-	4.5	-	4.3	-	3.9	-	3.8	-	3.4	-	3.2	-	2.8
Nickel	mg/kg/wk	-	0.003	-	0.003	-	0.004	-	0.004	-	0.005	-	0.005	-	0.006	-	0.007
Phosphorus	mg/kg/wk	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0088	-	0.0089	-	0.0088
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020
Selenium	mg/kg/wk	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098	-	0.00098
Silicon	mg/kg/wk	-	1.3	-	1.3	-	1.3	-	1.2	-	1.2	-	1.2	-	1.3	-	1.1
Tin	mg/kg/wk	-	0.000078	-	0.000010	-	0.000039	-	0.000059	-	0.000039	-	0.000039	-	0.000059	-	0.000069
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Titanium	mg/kg/wk	-	0.0002	-	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000004	-	0.000001	-	0.000001	-	0.000002	-	0.000087	-	0.000001
Vanadium	mg/kg/wk	-	0.00008	-	0.00011	-	0.00009	-	0.00011	-	0.00009	-	0.00009	-	0.00011	-	0.00008
Tungsten	mg/kg/wk	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000029	-	0.000030	-	0.000029
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0029	-	0.0020	-	0.0020	-	0.0030	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0029	-	-	-	-	-	-

Table 18 - NP Depleted Humidity Cell MRARD10-051

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	980	980	983	984	986	989	987	986	984	990	989	990	990	991	988	987	977	979
pH	no unit	5.69	5.68	5.81	5.71	5.87	6.52	5.9	6.12	5.38	5.7	5.6	5.23	5.51	5.9	5.84	5.65	5.83	5.65
Alkalinity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.9	2.0	3.9	2.0	2.0	2.0	2.0	3.0	2.0	5.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.9
Conductivity	uS/cm	19	26	25	22	24	25	30	24	22	34	26	27	23	25	27	30	23	22
Sulphate	mg/kg/wk	8.7	8.8	7.7	7.7	8.3	8.8	8.5	7.4	7.6	7.2	7.5	7.5	7.9	7.3	7.9	10.9	7.0	6.7
Silver	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010
Arsenic	mg/kg/wk	-	0.00029	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000020	-	0.000039	-	0.000040	-	0.000049	-	0.000030	-	0.000050	-	0.000139	-	0.000671	-	0.000069
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.009	-	0.009	-	0.008	-	0.008	-	0.007	-	0.007	-	0.008	-	0.009	-	0.006
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098
Calcium	mg/kg/wk	-	0.46	-	0.56	-	0.67	-	0.72	-	0.59	-	0.82	-	0.90	-	1.30	-	0.92
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000013	-	0.000008	-	0.000003
Cobalt	mg/kg/wk	-	0.003077	-	0.003966	-	0.004757	-	0.005423	-	0.005306	-	0.005732	-	0.006620	-	0.009860	-	0.006461
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00049
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00208	-	0.00049	-	0.00050	-	0.00050	-	0.00198	-	0.00059	-	0.00049
Iron	mg/kg/wk	-	0.003	-	0.011	-	0.015	-	0.013	-	0.007	-	0.010	-	0.015	-	0.020	-	0.014
Potassium	mg/kg/wk	-	0.058	-	0.047	-	0.061	-	0.068	-	0.057	-	0.069	-	0.068	-	0.083	-	0.059
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.314	-	0.360	-	0.450	-	0.476	-	0.449	-	0.560	-	0.623	-	0.916	-	0.657
Manganese	mg/kg/wk	-	0.0238	-	0.0283	-	0.0361	-	0.0363	-	0.0392	-	0.0398	-	0.0490	-	0.0679	-	0.0490
Molybdenum	mg/kg/wk	-	0.000157	-	0.000010	-	0.000010	-	0.000010	-	0.000030	-	0.000010	-	0.000020	-	0.000079	-	0.000020
Sodium	mg/kg/wk	-	2.7	-	2.1	-	2.3	-	1.8	-	1.6	-	1.4	-	1.3	-	1.5	-	0.9
Nickel	mg/kg/wk	-	0.006	-	0.009	-	0.011	-	0.012	-	0.011	-	0.014	-	0.015	-	0.024	-	0.015
Phosphorus	mg/kg/wk	-	0.0088	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0088
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000049	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Selenium	mg/kg/wk	-	0.00098	-	0.00098	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00025	-	0.00038	-	0.00028
Silicon	mg/kg/wk	-	1.3	-	1.1	-	1.2	-	1.2	-	1.1	-	1.0	-	1.1	-	1.4	-	1.1
Tin	mg/kg/wk	-	0.000039	-	0.000069	-	0.000762	-	0.000148	-	0.000020	-	0.000050	-	0.000089	-	0.000118	-	0.000127
Strontium	mg/kg/wk	-	0.00029	-	0.00020	-	0.00040	-	0.00039	-	0.00030	-	0.00020	-	0.00050	-	0.00118	-	0.00020
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000015	-	0.000001	-	0.000001	-	0.000005	-	0.000001	-	0.000001	-	0.000039	-	0.000001	-	0.000001
Vanadium	mg/kg/wk	-	0.00009	-	0.00010	-	0.00009	-	0.00011	-	0.00004	-	0.00007	-	0.00008	-	0.00011	-	0.00004
Tungsten	mg/kg/wk	-	0.009153	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000396	-	0.000030	-	0.000029
Yttrium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000002	-	0.000002	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0049	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0039	-	0.0029
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000099	-	0.0000098

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	985	979	977	992	990	989	987	988	986	985	989	-	988	989	986	986	986
pH	no unit	5.44	5.61	5.89	5.09	5.62	5.4	5.53	5.94	5.44	5.98	5.69	5.44	5.93	5.66	6.02	5.99	6.1
Alkalinity	mg/kg/wk as CaCC	2.0	2.0	2.0	2.0	6.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCC	2.0	2.9	3.9	6.0	2.0	2.0	4.9	2.0	3.9	2.0	6.9	2.0	-	2.0	2.0	3.0	3.0
Conductivity	uS/cm	25	25	26	26	20	24	26	21	21	24	22	23	29	19	20	18	21
Sulphate	mg/kg/wk	7.1	7.4	7.3	6.7	6.5	7.0	6.5	5.9	6.5	6.5	7.1	7.0	-	6.2	6.7	6.7	6.4
Silver	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.001087	-	0.0000099	-
Aluminum	mg/kg/wk	-	0.020	-	0.010	-	0.010	-	0.010	-	0.010	-	0.010	-	0.020	-	0.010	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.000049	-	0.000060	-	0.000049	-	0.000079	-	0.000059	-	0.000059	-	0.000059	-	0.000049	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.007	-	0.006	-	0.007	-	0.006	-	0.005	-	0.006	-	0.006	-	0.005	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-
Calcium	mg/kg/wk	-	1.01	-	1.06	-	1.06	-	1.01	-	0.99	-	1.13	-	1.19	-	1.04	-
Cadmium	mg/kg/wk	-	0.000008	-	0.000010	-	0.000010	-	0.000008	-	0.000008	-	0.000013	-	0.000011	-	0.000011	-
Cobalt	mg/kg/wk	-	0.006931	-	0.007817	-	0.007625	-	0.008062	-	0.007653	-	0.008110	-	0.008685	-	0.007651	-
Chromium	mg/kg/wk	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00059	-	0.00079	-	0.00049	-	0.00128	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.004	-	0.011	-	0.014	-	0.013	-	0.011	-	0.012	-	0.029	-	0.013	-
Potassium	mg/kg/wk	-	0.062	-	0.057	-	0.053	-	0.048	-	0.045	-	0.060	-	0.056	-	0.045	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.728	-	0.760	-	0.777	-	0.769	-	0.752	-	0.837	-	0.877	-	0.768	-
Manganese	mg/kg/wk	-	0.0523	-	0.0525	-	0.0552	-	0.0574	-	0.0570	-	0.0636	-	0.0605	-	0.0543	-
Molybdenum	mg/kg/wk	-	0.000020	-	0.000089	-	0.000010	-	0.000010	-	0.000039	-	0.000010	-	0.000010	-	0.000030	-
Sodium	mg/kg/wk	-	0.8	-	0.6	-	0.5	-	0.5	-	0.4	-	0.4	-	0.4	-	0.2	-
Nickel	mg/kg/wk	-	0.017	-	0.018	-	0.018	-	0.019	-	0.018	-	0.019	-	0.020	-	0.017	-
Phosphorus	mg/kg/wk	-	0.0088	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-
Lead	mg/kg/wk	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000059	-
Antimony	mg/kg/wk	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00069	-	0.00059	-	0.00030	-	0.00049	-
Selenium	mg/kg/wk	-	0.00016	-	0.00025	-	0.00016	-	0.00027	-	0.00018	-	0.00029	-	0.00009	-	0.00020	-
Silicon	mg/kg/wk	-	1.1	-	1.1	-	1.0	-	1.1	-	0.9	-	1.0	-	1.1	-	0.9	-
Tin	mg/kg/wk	-	0.000137	-	0.000357	-	0.000178	-	0.000128	-	0.000108	-	0.000099	-	0.000168	-	0.000532	-
Strontium	mg/kg/wk	-	0.00049	-	0.00060	-	0.00059	-	0.00059	-	0.00059	-	0.00059	-	0.00069	-	0.00049	-
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0004	-	0.0001	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000001	-	0.000001	-	0.000001	-	0.000003	-	0.000002	-	0.000001	-	0.000001	-	0.000001	-
Vanadium	mg/kg/wk	-	0.00007	-	0.00005	-	0.00004	-	0.00004	-	0.00006	-	0.00007	-	0.00003	-	0.00006	-
Tungsten	mg/kg/wk	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000001	-	0.000002	-	0.000001	-	0.000001	-	0.000001	-	0.000001	-	0.000003	-	0.000001	-
Zinc	mg/kg/wk	-	0.0049	-	0.0040	-	0.0030	-	0.0030	-	0.0030	-	0.0030	-	0.0049	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000098	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-

Analyte	Unit	Wk#0 6/Sep/10	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11/Oct/11	Wk#6 18-Oct/11	Wk#7 25-Oct/11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	797	943	988	988	984	974	982	988	981	989	978	985	986	985
pH	no unit	6.65	5.9	6.87	6.81	6.91	7.17	6.96	6.83	6.86	6.85	6.88	6.56	6.99	6.85
Alkalinity	mg/kg/wk as CaCO ₃	7.2	2.8	5.9	4.9	2.0	4.9	4.9	4.0	2.9	4.0	3.9	3.9	5.9	3.9
Acidity	mg/kg/wk as CaCO ₃	1.6	7.5	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	66	98	4	3	15	23	16	15	14	2	3	21	14	3
Sulphate	mg/kg/wk	3.3	5.9	3.1	2.2	2.6	1.9	2.6	2.5	2.6	2.6	2.3	1.7	2.4	2.5
Silver	mg/kg/wk	0.000080	0.000094	0.000099	0.000099	0.000098	0.000097	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	0.29	0.472	0.34	0.158	0.079	0.097	-	0.128	-	0.059	-	0.069	-	0.030
Arsenic	mg/kg/wk	0.00016	0.00019	0.00030	0.00109	0.00020	0.00029	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	0.00142	0.00241	0.00158	0.00105	0.0004	0.0005	-	0.0009	-	0.0003	-	0.0003	-	0.0002
Beryllium	mg/kg/wk	0.000016	0.000019	0.000020	0.000020	0.000020	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.013	0.032	0.017	0.011	0.009	0.006	-	0.007	-	0.006	-	0.005	-	0.006
Bismuth	mg/kg/wk	0.000080	0.000094	0.000099	0.000099	0.000098	0.000097	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Calcium	mg/kg/wk	0.016	0.019	0.020	0.020	0.020	0.019	-	0.020	-	0.030	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000002	0.000004	0.000003	0.000003	0.000003	0.000004	-	0.000003	-	0.000003	-	0.000003	-	0.000006
Cobalt	mg/kg/wk	0.00007	0.000131	0.000096	0.000070	0.000043	0.000054	-	0.000026	-	0.000012	-	0.000011	-	0.000016
Chromium	mg/kg/wk	0.00040	0.00047	0.00049	0.00049	0.00049	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	0.00040	0.00113	0.00049	0.00049	0.00049	0.00049	-	0.00069	-	0.00049	-	0.00049	-	0.00049
Iron	mg/kg/wk	0.37	0.55	0.34	0.21	0.081	0.115	-	0.136	-	0.058	-	0.052	-	0.040
Potassium	mg/kg/wk	0.120	0.269	0.208	0.151	0.111	0.093	-	0.141	-	0.107	-	0.096	-	0.103
Lithium	mg/kg/wk	0.0008	0.0009	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.112	0.174	0.124	0.067	0.030	0.036	-	0.045	-	0.020	-	0.019	-	0.013
Manganese	mg/kg/wk	0.0020	0.0028	0.0019	0.0011	0.0005	0.0005	-	0.0008	-	0.0003	-	0.0003	-	0.0003
Molybdenum	mg/kg/wk	0.0007	0.00081	0.00070	0.00040	0.000246	0.000244	-	0.000217	-	0.000129	-	0.000069	-	0.000108
Sodium	mg/kg/wk	2.1	4.3	3.2	3.0	2.7	2.0	-	2.7	-	2.6	-	2.7	-	2.7
Nickel	mg/kg/wk	0.000159	0.000189	0.000099	0.000099	0.000098	0.000097	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Phosphorus	mg/kg/wk	0.03	0.04	0.08	0.09	0.07	0.08	-	0.06	-	0.09	-	0.10	-	0.10
Lead	mg/kg/wk	0.00010	0.00006	0.00007	0.00003	0.000020	0.000049	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00016	0.00066	0.00059	0.00040	0.00039	0.00049	-	0.00030	-	0.00030	-	0.00030	-	0.00020
Selenium	mg/kg/wk	0.00080	0.00094	0.00099	0.00099	0.00098	0.00097	-	0.00099	-	0.00099	-	0.00099	-	0.00099
Silicon	mg/kg/wk	0.87	2.3	2.1	1.4	1.1	0.9	-	1.1	-	0.8	-	0.7	-	0.8
Tin	mg/kg/wk	0.00036	0.00040	0.00035	0.00025	0.000157	0.000127	-	0.000138	-	0.000158	-	0.000089	-	0.000207
Strontium	mg/kg/wk	0.00008	0.00009	0.00010	0.00010	0.00010	0.00010	-	0.00020	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0155	0.0255	0.0173	0.0096	0.0044	0.0056	-	0.0064	-	0.0027	-	0.0025	-	0.0021
Thallium	mg/kg/wk	0.000016	0.000019	0.000020	0.000020	0.000020	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00002	0.00003	0.00001	0.00001	0.000010	0.000008	-	0.000007	-	0.000004	-	0.000001	-	0.000011
Vanadium	mg/kg/wk	0.00061	0.00119	0.00129	0.00105	0.00098	0.00080	-	0.00080	-	0.00063	-	0.00063	-	0.00066
Tungsten	mg/kg/wk	0.000032	0.000198	0.000277	0.000277	0.000098	0.000127	-	0.000099	-	0.000059	-	0.000039	-	0.000591
Yttrium	mg/kg/wk	0.000006	0.000013	0.000009	0.000012	0.000002	0.000006	-	0.000001	-	0.000001	-	0.000001	-	0.000002
Zinc	mg/kg/wk	0.0016	0.0019	0.0020	0.0020	0.0020	0.0019	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 19 - NP Depleted Humidity Cell MRARD10-057

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	986	987	975	986	984	984	965	988	986	984	987	984	985	988	988	989
pH	no unit	6.82	6.84	6.7	6.65	6.73	6.75	6.67	6.73	6.58	6.59	6.7	6.92	6.53	6.66	6.69	6.57
Alkalinity	kg/kg/wk as CaCO ₃	3.0	3.0	2.9	2.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	3	13	14	12	13	3	12	3	3	12	13	10	12	14	10	12
Sulphate	mg/kg/wk	2.3	2.3	2.6	1.9	2.1	2.2	2.1	2.3	2.2	2.3	2.2	2.2	2.1	1.9	2.4	2.3
Silver	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	-	0.069	-	0.030	-	0.049	-	0.049	-	0.059	-	0.049	-	0.059	-	0.040
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.0004	-	0.0001	-	0.0002	-	0.0003	-	0.0003	-	0.0002	-	0.0002	-	0.0001
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.005	-	0.004	-	0.005	-	0.004	-	0.005	-	0.004	-	0.004	-	0.005
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000098	-	0.0000098	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000005	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000021	-	0.000005	-	0.000012	-	0.000016	-	0.000025	-	0.000022	-	0.000014	-	0.000041
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-	0.00049
Iron	mg/kg/wk	-	0.087	-	0.030	-	0.047	-	0.047	-	0.056	-	0.058	-	0.045	-	0.029
Potassium	mg/kg/wk	-	0.111	-	0.085	-	0.092	-	0.099	-	0.097	-	0.089	-	0.078	-	0.081
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.028	-	0.010	-	0.016	-	0.017	-	0.019	-	0.017	-	0.015	-	0.011
Manganese	mg/kg/wk	-	0.0005	-	0.0002	-	0.0002	-	0.0004	-	0.0004	-	0.0003	-	0.0002	-	0.0003
Molybdenum	mg/kg/wk	-	0.000099	-	0.000069	-	0.000089	-	0.000079	-	0.000079	-	0.000069	-	0.000059	-	0.000049
Sodium	mg/kg/wk	-	2.3	-	2.0	-	2.3	-	2.2	-	2.2	-	2.1	-	2.0	-	2.2
Nickel	mg/kg/wk	-	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000098	-	0.000098	-	0.000099	-	0.000099
Phosphorus	mg/kg/wk	-	0.09	-	0.09	-	0.10	-	0.11	-	0.11	-	0.12	-	0.14	-	0.11
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00030	-	0.00020
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00098	-	0.00098	-	0.00099	-	0.00099
Silicon	mg/kg/wk	-	0.8	-	0.6	-	0.6	-	0.6	-	0.6	-	0.6	-	0.6	-	0.6
Tin	mg/kg/wk	-	0.000138	-	0.000079	-	0.000108	-	0.000119	-	0.000098	-	0.000098	-	0.000119	-	0.000099
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0041	-	0.0015	-	0.0024	-	0.0024	-	0.0027	-	0.0024	-	0.0022	-	0.0013
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000012	-	0.000009	-	0.000010	-	0.000013	-	0.000012	-	0.000009	-	0.000078	-	0.000041
Vanadium	mg/kg/wk	-	0.00051	-	0.00044	-	0.00046	-	0.00047	-	0.00044	-	0.00044	-	0.00052	-	0.00034
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	-	0.000004	-	0.000001	-	0.000003	-	0.000004	-	0.000006	-	0.000004	-	0.000001	-	0.000050
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0030	-	-	-	-	-	-

Table 19 - NP Depleted Humidity Cell MRARD10-057

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	985	917	990	988	986	990	988	989	993	988	950	988	987	990	986	991	986	985
pH	no unit	6.55	6.71	6.7	6.62	6.69	6.41	6.73	6.45	6.55	6.61	6.8	6.73	7.04	6.55	6.52	6.57	6.64	6.6
Alkalinity	mg/kg/wk as CaCO ₃	3.9	2.8	4.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	4.8	3.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.0	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	16	14	13	12	12	13	16	11	12	16	27	36	12	12	12	12	13	13
Sulphate	mg/kg/wk	2.3	1.9	2.0	2.2	2.3	2.4	2.3	2.2	2.3	2.0	1.8	2.2	2.0	2.2	2.4	2.4	2.4	2.2
Silver	mg/kg/wk	-	0.0000092	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	-	0.055	-	0.040	-	0.020	-	0.059	-	0.059	-	0.040	-	0.030	-	0.040	-	0.020
Arsenic	mg/kg/wk	-	0.00018	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00020
Barium	mg/kg/wk	-	0.0003	-	0.0002	-	0.0001	-	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0002	-	0.0002
Beryllium	mg/kg/wk	-	0.000018	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.003	-	0.004	-	0.005	-	0.005	-	0.004	-	0.004	-	0.004	-	0.004	-	0.003
Bismuth	mg/kg/wk	-	0.0000092	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	-	0.018	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000014	-	0.000047	-	0.000033	-	0.000054	-	0.000049	-	0.000041	-	0.000049	-	0.000011	-	0.000030
Chromium	mg/kg/wk	-	0.00046	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	-	0.00046	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00049
Iron	mg/kg/wk	-	0.061	-	0.044	-	0.018	-	0.052	-	0.050	-	0.036	-	0.038	-	0.034	-	0.028
Potassium	mg/kg/wk	-	0.086	-	0.084	-	0.089	-	0.088	-	0.096	-	0.090	-	0.089	-	0.079	-	0.083
Lithium	mg/kg/wk	-	0.0009	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.019	-	0.015	-	0.006	-	0.017	-	0.015	-	0.011	-	0.012	-	0.011	-	0.009
Manganese	mg/kg/wk	-	0.0003	-	0.0005	-	0.0003	-	0.0005	-	0.0004	-	0.0004	-	0.0006	-	0.0006	-	0.0005
Molybdenum	mg/kg/wk	-	0.000119	-	0.000059	-	0.000040	-	0.000040	-	0.000069	-	0.000059	-	0.000099	-	0.000099	-	0.000049
Sodium	mg/kg/wk	-	1.9	-	2.0	-	2.3	-	2.0	-	2.1	-	2.2	-	2.0	-	2.1	-	2.1
Nickel	mg/kg/wk	-	0.000092	-	0.000296	-	0.000198	-	0.000099	-	0.000395	-	0.000198	-	0.000099	-	0.000198	-	0.000197
Phosphorus	mg/kg/wk	-	0.14	-	0.12	-	0.15	-	0.17	-	0.14	-	0.15	-	0.14	-	0.14	-	0.13
Lead	mg/kg/wk	-	0.000018	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00018	-	0.00030	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00039
Selenium	mg/kg/wk	-	0.00092	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099
Silicon	mg/kg/wk	-	0.6	-	0.5	-	0.5	-	0.6	-	0.6	-	0.5	-	0.5	-	0.5	-	0.5
Tin	mg/kg/wk	-	0.000018	-	0.000128	-	0.000208	-	0.000099	-	0.000158	-	0.000138	-	0.000099	-	0.000139	-	0.0003418
Strontium	mg/kg/wk	-	0.00009	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0032	-	0.0022	-	0.0010	-	0.0027	-	0.0023	-	0.0017	-	0.0018	-	0.0017	-	0.0014
Thallium	mg/kg/wk	-	0.000018	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000013	-	0.000011	-	0.000009	-	0.000012	-	0.000013	-	0.000010	-	0.000047	-	0.000009	-	0.000004
Vanadium	mg/kg/wk	-	0.00048	-	0.00042	-	0.00047	-	0.00054	-	0.00045	-	0.00047	-	0.00044	-	0.00043	-	0.00036
Tungsten	mg/kg/wk	-	0.005832	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000376	-	0.000040	-	0.000030
Yttrium	mg/kg/wk	-	0.000008	-	0.000004	-	0.000002	-	0.000003	-	0.000004	-	0.000003	-	0.000004	-	0.000007	-	0.000002
Zinc	mg/kg/wk	-	0.0018	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000099	-	0.0000099

Table 19 - NP Depleted Humidity Cell MRARD10-057

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	988	984	981	996	981	985	987	994	982	988	988	984	980	989	989	984	997
pH	no unit	6.45	6.52	6.48	6.45	6.59	6.47	6.43	6.76	6.56	6.71	6.62	6.57	6.57	6.62	6.49	5.9	6.37
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0
Conductivity	uS/cm	18	16	16	14	11	17	12	11	15	14	12	14	14	12	11	18	12
Sulphate	mg/kg/wk	2.0	2.3	1.8	2.0	2.0	2.0	1.9	1.9	3.3	1.8	2.2	2.3	2.1	1.5	2.1	1.9	2.1
Silver	mg/kg/wk	-	0.0000098	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000275	-	0.0000098	-
Aluminum	mg/kg/wk	-	0.039	-	0.030	-	0.020	-	0.010	-	0.020	-	0.030	-	0.049	-	0.030	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0002	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.004	-	0.003	-	0.004	-	0.003	-	0.003	-	0.004	-	0.004	-	0.003	-
Bismuth	mg/kg/wk	-	0.0000098	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000295	-	0.0000099	-	0.0000098	-
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.030	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000069	-	0.000034	-	0.000041	-	0.000056	-	0.000071	-	0.000077	-	0.000049	-	0.000025	-
Chromium	mg/kg/wk	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Copper	mg/kg/wk	-	0.00049	-	0.00050	-	0.00049	-	0.00109	-	0.00049	-	0.00049	-	0.00049	-	0.00049	-
Iron	mg/kg/wk	-	0.022	-	0.023	-	0.023	-	0.012	-	0.017	-	0.021	-	0.038	-	0.028	-
Potassium	mg/kg/wk	-	0.078	-	0.074	-	0.075	-	0.072	-	0.067	-	0.064	-	0.065	-	0.101	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.012	-	0.009	-	0.009	-	0.005	-	0.006	-	0.009	-	0.010	-	0.012	-
Manganese	mg/kg/wk	-	0.0006	-	0.0002	-	0.0005	-	0.0006	-	0.0005	-	0.0002	-	0.0002	-	0.0003	-
Molybdenum	mg/kg/wk	-	0.000049	-	0.000129	-	0.000030	-	0.000040	-	0.000079	-	0.000039	-	0.000030	-	0.000049	-
Sodium	mg/kg/wk	-	2.0	-	1.8	-	1.8	-	1.9	-	1.7	-	1.9	-	1.7	-	1.6	-
Nickel	mg/kg/wk	-	0.000098	-	0.000100	-	0.000197	-	0.000199	-	0.000099	-	0.000098	-	0.000099	-	0.000098	-
Phosphorus	mg/kg/wk	-	0.13	-	0.15	-	0.13	-	0.12	-	0.12	-	0.13	-	0.17	-	0.17	-
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-
Antimony	mg/kg/wk	-	0.00020	-	0.00040	-	0.00030	-	0.00030	-	0.00069	-	0.00059	-	0.00020	-	0.00039	-
Selenium	mg/kg/wk	-	0.00007	-	0.00010	-	0.00004	-	0.00004	-	0.00004	-	0.00005	-	0.00006	-	0.00004	-
Silicon	mg/kg/wk	-	0.5	-	0.5	-	0.4	-	0.5	-	0.4	-	0.5	-	0.4	-	0.4	-
Tin	mg/kg/wk	-	0.000089	-	0.000149	-	0.000118	-	0.000119	-	0.000119	-	0.000167	-	0.000752	-	0.000148	-
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	-	0.0017	-	0.0011	-	0.0012	-	0.0005	-	0.0009	-	0.0011	-	0.0011	-	0.0015	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000010	-	0.000019	-	0.000004	-	0.000008	-	0.000006	-	0.000015	-	0.000002	-	0.000025	-
Vanadium	mg/kg/wk	-	0.00036	-	0.00040	-	0.00033	-	0.00032	-	0.00035	-	0.00043	-	0.00040	-	0.00047	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000003	-	0.000002	-	0.000003	-	0.000001	-	0.000002	-	0.000001	-	0.000001	-	0.000002	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000098	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000098	-

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	787	959	949	954	948	938	977	949	940	938	926	903	913	904
pH	no unit	5.47	5.94	5.32	5.44	6.34	5.72	5.11	5.32	5.75	5.06	5.3	5.39	4.97	5.27
Alkalinity	mg/kg/wk as CaCO3	1.6	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
Acidity	mg/kg/wk as CaCO3	5.5	4.8	3.8	1.9	1.9	1.9	3.9	2.8	1.9	2.8	3.7	7.2	6.4	1.8
Conductivity	uS/cm	79	39	28	29	38	38	38	32	5	4	6	6	46	29
Sulphate	mg/kg/wk	6.9	12.5	10.4	11.4	10.4	10.3	12.7	10.4	11.3	12.2	13.9	12.6	13.7	10.8
Silver	mg/kg/wk	0.0000079	0.0000096	0.0000095	0.0000095	0.0000095	0.0000094	-	0.0000095	-	0.0000094	-	0.0000090	-	0.0000090
Aluminum	mg/kg/wk	0.01	0.010	0.02	0.010	0.009	0.009	-	0.009	-	0.009	-	0.027	-	0.009
Arsenic	mg/kg/wk	0.00016	0.00019	0.00019	0.00019	0.00019	0.00019	-	0.00019	-	0.00019	-	0.00036	-	0.00018
Barium	mg/kg/wk	0.00012	0.00011	0.00010	0.00010	0.00007	0.00011	-	0.00009	-	0.00016	-	0.00010	-	0.00008
Beryllium	mg/kg/wk	0.000016	0.000019	0.000019	0.000019	0.000019	0.000019	-	0.000019	-	0.000028	-	0.000027	-	0.000027
Boron	mg/kg/wk	0.008	0.017	0.013	0.012	0.010	0.011	-	0.009	-	0.011	-	0.013	-	0.012
Bismuth	mg/kg/wk	0.0000079	0.0000096	0.0000095	0.0000095	0.0000095	0.0000094	-	0.0000095	-	0.0000094	-	0.0000090	-	0.0000090
Calcium	mg/kg/wk	1.393	2.762	2.471	2.471	2.401	2.192	-	2.192	-	2.645	-	2.330	-	2.106
Cadmium	mg/kg/wk	0.000014	0.000010	0.000015	0.000013	0.000016	0.000015	-	0.000009	-	0.000017	-	0.000014	-	0.000023
Cobalt	mg/kg/wk	0.00022	0.000494	0.000504	0.000623	0.000635	0.000803	-	0.000756	-	0.001069	-	0.001264	-	0.001275
Chromium	mg/kg/wk	0.00039	0.00048	0.00047	0.00048	0.00047	0.00047	-	0.00047	-	0.00047	-	0.00045	-	0.00045
Copper	mg/kg/wk	0.00039	0.00067	0.00085	0.00095	0.00114	0.00150	-	0.00142	-	0.00366	-	0.00289	-	0.00316
Iron	mg/kg/wk	0.06	0.05	0.05	0.06	0.080	0.101	-	0.093	-	0.142	-	0.159	-	0.178
Potassium	mg/kg/wk	0.020	0.020	0.018	0.015	0.018	0.017	-	0.015	-	0.017	-	0.018	-	0.019
Lithium	mg/kg/wk	0.0008	0.0010	0.0009	0.0010	0.0009	0.0009	-	0.0009	-	0.0009	-	0.0009	-	0.0009
Magnesium	mg/kg/wk	0.478	0.978	0.934	0.973	0.986	1.051	-	0.968	-	1.285	-	1.327	-	1.220
Manganese	mg/kg/wk	0.2243	0.4651	0.4517	0.4656	0.4465	0.4437	-	0.4375	-	0.5581	-	0.5761	-	0.5243
Molybdenum	mg/kg/wk	0.0005	0.00006	0.00021	0.00004	0.000009	0.000009	-	0.000009	-	0.000019	-	0.000009	-	0.000009
Sodium	mg/kg/wk	0.6	0.9	0.6	0.5	0.4	0.3	-	0.2	-	0.2	-	0.2	-	0.67
Nickel	mg/kg/wk	0.0017	0.0037	0.0037	0.0042	0.0045	0.0055	-	0.0046	-	0.0062	-	0.0070	-	0.0067
Phosphorus	mg/kg/wk	0.0071	0.0086	0.0085	0.0086	0.0085	0.0113	-	0.0085	-	0.0084	-	0.0081	-	0.0081
Lead	mg/kg/wk	0.00005	0.00002	0.00019	0.00002	0.000019	0.000019	-	0.000152	-	0.000019	-	0.000018	-	0.000280
Antimony	mg/kg/wk	0.00016	0.00038	0.00028	0.00019	0.00019	0.00028	-	0.00028	-	0.00028	-	0.00018	-	0.00018
Selenium	mg/kg/wk	0.00079	0.00096	0.00095	0.00095	0.00095	0.00094	-	0.00095	-	0.00094	-	0.00090	-	0.00090
Silicon	mg/kg/wk	0.66	2.3	2.0	1.7	1.4	1.3	-	1.3	-	1.3	-	0.9	-	1.3
Tin	mg/kg/wk	0.00050	0.00038	0.00019	0.00014	0.000076	0.000094	-	0.000066	-	0.000103	-	0.000018	-	0.000090
Strontium	mg/kg/wk	0.00039	0.00077	0.00076	0.00057	0.00056	0.00056	-	0.00047	-	0.00047	-	0.00072	-	0.00054
Titanium	mg/kg/wk	0.0003	0.0004	0.0003	0.0001	0.0003	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0002
Thallium	mg/kg/wk	0.000016	0.000019	0.000019	0.000019	0.000019	0.000019	-	0.000019	-	0.000019	-	0.000018	-	0.000018
Uranium	mg/kg/wk	0.00000	0.00004	0.00000	0.00000	0.000015	0.000006	-	0.000001	-	0.000003	-	0.000001	-	0.000011
Vanadium	mg/kg/wk	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Tungsten	mg/kg/wk	0.000024	0.000029	0.000047	0.000029	0.000028	0.000028	-	0.000028	-	0.000028	-	0.000027	-	0.000777
Yttrium	mg/kg/wk	0.000024	0.000020	0.000016	0.000019	0.000016	0.000028	-	0.000031	-	0.000075	-	0.000089	-	0.000070
Zinc	mg/kg/wk	0.0094	0.0144	0.0161	0.0219	0.0218	0.0206	-	0.0209	-	0.0272	-	0.0271	-	0.0271
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 20 - NP Depleted Humidity Cell MRARD10-082

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	910	900	897	952	921	964	4.96	907	921	950	935	942	914	928	893	894
pH	no unit	5.07	5.06	4.95	5.13	4.95	5.26	2	4.99	5.02	4.98	4.96	4.94	4.91	4.78	4.91	5.04
Alkalinity	kg/kg/wk as CaCO ₃	1.8	1.8	1.8	1.9	1.8	1.9	0.0	1.8	1.8	1.9	1.9	1.9	1.8	1.9	1.8	1.8
Acidity	kg/kg/wk as CaCO ₃	2.7	3.6	2.7	2.9	3.7	3.9	0.1	2.7	2.8	2.9	3.7	3.8	4.6	3.7	3.6	4.5
Conductivity	uS/cm	23	5	34	22	5	5	7.3	21	23	21	28	22	25	21	20	27
Sulphate	mg/kg/wk	8.8	9.9	9.9	8.3	8.9	8.4	0.0	9.0	8.8	7.8	8.7	7.7	6.5	7.2	6.3	6.5
Silver	mg/kg/wk	-	0.0000090	-	0.0000095	-	0.0000096	-	0.0000091	-	0.0000095	-	0.0000094	-	0.0000093	-	0.0000089
Aluminum	mg/kg/wk	-	0.018	-	0.019	-	0.019	-	0.018	-	0.019	-	0.019	-	0.019	-	0.036
Arsenic	mg/kg/wk	-	0.00018	-	0.00019	-	0.00019	-	0.00018	-	0.00019	-	0.00019	-	0.00019	-	0.00018
Barium	mg/kg/wk	-	0.00011	-	0.00006	-	0.00006	-	0.00007	-	0.00010	-	0.00007	-	0.00008	-	0.00004
Beryllium	mg/kg/wk	-	0.000036	-	0.000029	-	0.000039	-	0.000036	-	0.000038	-	0.000038	-	0.000037	-	0.000027
Boron	mg/kg/wk	-	0.009	-	0.007	-	0.008	-	0.007	-	0.009	-	0.007	-	0.008	-	0.007
Bismuth	mg/kg/wk	-	0.0000090	-	0.0000095	-	0.0000096	-	0.0000091	-	0.0000095	-	0.0000094	-	0.0000093	-	0.0000089
Calcium	mg/kg/wk	-	1.854	-	1.504	-	1.610	-	1.351	-	1.482	-	1.394	-	1.262	-	0.966
Cadmium	mg/kg/wk	-	0.000015	-	0.000010	-	0.000014	-	0.000014	-	0.000012	-	0.000014	-	0.000006	-	0.000007
Cobalt	mg/kg/wk	-	0.001269	-	0.001085	-	0.001166	-	0.001107	-	0.001216	-	0.001206	-	0.001234	-	0.001039
Chromium	mg/kg/wk	-	0.00045	-	0.00048	-	0.00048	-	0.00045	-	0.00048	-	0.00047	-	0.00046	-	0.00045
Copper	mg/kg/wk	-	0.00360	-	0.00305	-	0.00395	-	0.00426	-	0.00656	-	0.00603	-	0.00668	-	0.00545
Iron	mg/kg/wk	-	0.155	-	0.124	-	0.131	-	0.123	-	0.126	-	0.126	-	0.146	-	0.104
Potassium	mg/kg/wk	-	0.020	-	0.014	-	0.017	-	0.020	-	0.017	-	0.018	-	0.022	-	0.011
Lithium	mg/kg/wk	-	0.0009	-	0.0010	-	0.0010	-	0.0009	-	0.0010	-	0.0009	-	0.0009	-	0.0009
Magnesium	mg/kg/wk	-	1.089	-	0.845	-	0.879	-	0.794	-	0.853	-	0.818	-	0.770	-	0.622
Manganese	mg/kg/wk	-	0.4644	-	0.3380	-	0.3750	-	0.3229	-	0.3249	-	0.3222	-	0.2960	-	0.2056
Molybdenum	mg/kg/wk	-	0.000009	-	0.000010	-	0.000010	-	0.000009	-	0.000010	-	0.000009	-	0.000009	-	0.000009
Sodium	mg/kg/wk	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1
Nickel	mg/kg/wk	-	0.0063	-	0.0054	-	0.0056	-	0.0053	-	0.0056	-	0.0055	-	0.0054	-	0.0041
Phosphorus	mg/kg/wk	-	0.0081	-	0.0095	-	0.0087	-	0.0082	-	0.0086	-	0.0085	-	0.0084	-	0.0080
Lead	mg/kg/wk	-	0.000018	-	0.000038	-	0.000019	-	0.000018	-	0.000029	-	0.000019	-	0.000037	-	0.000018
Antimony	mg/kg/wk	-	0.00018	-	0.00019	-	0.00019	-	0.00018	-	0.00019	-	0.00019	-	0.00019	-	0.00018
Selenium	mg/kg/wk	-	0.00090	-	0.00095	-	0.00096	-	0.00091	-	0.00095	-	0.00094	-	0.00093	-	0.00089
Silicon	mg/kg/wk	-	1.3	-	2.0	-	2.4	-	1.5	-	2.2	-	2.3	-	2.2	-	0.9
Tin	mg/kg/wk	-	0.000081	-	0.000048	-	0.000048	-	0.000045	-	0.000067	-	0.000028	-	0.000056	-	0.000080
Strontium	mg/kg/wk	-	0.00063	-	0.00057	-	0.00058	-	0.00054	-	0.00057	-	0.00047	-	0.00056	-	0.00036
Titanium	mg/kg/wk	-	0.0002	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000018	-	0.000019	-	0.000019	-	0.000018	-	0.000019	-	0.000019	-	0.000019	-	0.000018
Uranium	mg/kg/wk	-	0.000007	-	0.000006	-	0.000007	-	0.000008	-	0.000010	-	0.000011	-	0.000040	-	0.000006
Vanadium	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Tungsten	mg/kg/wk	-	0.000027	-	0.000029	-	0.000029	-	0.000027	-	0.000029	-	0.000028	-	0.000028	-	0.000027
Yttrium	mg/kg/wk	-	0.000088	-	0.000044	-	0.000062	-	0.000056	-	0.000054	-	0.000052	-	0.000038	-	0.000032
Zinc	mg/kg/wk	-	0.0216	-	0.0181	-	0.0193	-	0.0181	-	0.0190	-	0.0179	-	0.0167	-	0.0143
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0029	-	-	-	-	-	-

Table 20 - NP Depleted Humidity Cell MRARD10-082

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	966	944	951	949	956	983	998	992	999	1003	990	998	997	993	993	996	985	987
pH	no unit	4.96	4.81	4.82	4.82	4.86	4.64	4.76	4.8	4.89	5.46	4.72	4.8	4.75	4.97	4.99	4.99	5.02	5.6
Alkalinity	mg/kg/wk as CaCO ₃	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Acidity	mg/kg/wk as CaCO ₃	2.9	3.8	7.6	7.6	3.8	3.9	5.0	4.0	4.0	5.0	3.0	3.0	5.0	3.0	2.0	2.0	5.9	2.0
Conductivity	uS/cm	20	26	25	25	27	29	26	27	23	24	22	22	25	23	20	22	19	20
Sulphate	mg/kg/wk	8.3	6.3	6.5	7.2	7.8	8.3	7.6	7.7	7.0	7.0	8.8	5.9	7.1	6.6	7.0	6.9	7.2	6.2
Silver	mg/kg/wk	-	0.0000094	-	0.0000095	-	0.0000098	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000099
Aluminum	mg/kg/wk	-	0.009	-	0.009	-	0.020	-	0.020	-	0.030	-	0.030	-	0.020	-	0.020	-	0.010
Arsenic	mg/kg/wk	-	0.00019	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.00007	-	0.00007	-	0.00008	-	0.00008	-	0.00005	-	0.00012	-	0.00022	-	0.00010	-	0.00011
Beryllium	mg/kg/wk	-	0.000038	-	0.000047	-	0.000049	-	0.000040	-	0.000020	-	0.000040	-	0.000050	-	0.000040	-	0.000039
Boron	mg/kg/wk	-	0.007	-	0.009	-	0.011	-	0.010	-	0.009	-	0.008	-	0.009	-	0.008	-	0.008
Bismuth	mg/kg/wk	-	0.0000094	-	0.0000095	-	0.0000098	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000100	-	0.0000099
Calcium	mg/kg/wk	-	0.944	-	1.110	-	1.366	-	1.339	-	0.983	-	1.038	-	1.102	-	0.956	-	0.898
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000012	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.001029	-	0.001367	-	0.001465	-	0.001567	-	0.001304	-	0.001198	-	0.001281	-	0.001185	-	0.001105
Chromium	mg/kg/wk	-	0.00047	-	0.00047	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00049
Copper	mg/kg/wk	-	0.00736	-	0.00940	-	0.01189	-	0.01409	-	0.00381	-	0.01367	-	0.01470	-	0.01504	-	0.01431
Iron	mg/kg/wk	-	0.102	-	0.104	-	0.149	-	0.149	-	0.089	-	0.124	-	0.126	-	0.125	-	0.126
Potassium	mg/kg/wk	-	0.015	-	0.010	-	0.019	-	0.027	-	0.015	-	0.021	-	0.026	-	0.014	-	0.019
Lithium	mg/kg/wk	-	0.0009	-	0.0009	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.618	-	0.717	-	0.853	-	0.793	-	0.663	-	0.642	-	0.664	-	0.619	-	0.600
Manganese	mg/kg/wk	-	0.2200	-	0.2733	-	0.2959	-	0.2599	-	0.2377	-	0.2026	-	0.2234	-	0.2022	-	0.2004
Molybdenum	mg/kg/wk	-	0.000009	-	0.000009	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000010	-	0.000040	-	0.000010
Sodium	mg/kg/wk	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1
Nickel	mg/kg/wk	-	0.0044	-	0.0058	-	0.0062	-	0.0063	-	0.0053	-	0.0052	-	0.0054	-	0.0052	-	0.0046
Phosphorus	mg/kg/wk	-	0.0085	-	0.0085	-	0.0088	-	0.0089	-	0.0090	-	0.0090	-	0.0089	-	0.0090	-	0.0089
Lead	mg/kg/wk	-	0.000028	-	0.000019	-	0.000029	-	0.000020	-	0.000020	-	0.000050	-	0.000030	-	0.000020	-	0.000030
Antimony	mg/kg/wk	-	0.00019	-	0.00019	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030
Selenium	mg/kg/wk	-	0.00094	-	0.00095	-	0.00098	-	0.00099	-	0.00100	-	0.00100	-	0.00004	-	0.00004	-	0.00004
Silicon	mg/kg/wk	-	1.9	-	2.1	-	3.6	-	3.8	-	3.7	-	3.3	-	3.5	-	3.4	-	3.3
Tin	mg/kg/wk	-	0.000047	-	0.000057	-	0.000088	-	0.000050	-	0.000010	-	0.000250	-	0.000050	-	0.000169	-	0.000276
Strontium	mg/kg/wk	-	0.00047	-	0.00047	-	0.00079	-	0.00060	-	0.00040	-	0.00030	-	0.00099	-	0.00050	-	0.00030
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001
Thallium	mg/kg/wk	-	0.000019	-	0.000019	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000007	-	0.000009	-	0.000012	-	0.000011	-	0.000001	-	0.000009	-	0.000024	-	0.000009	-	0.000013
Vanadium	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003
Tungsten	mg/kg/wk	-	0.000028	-	0.000028	-	0.000029	-	0.000030	-	0.000030	-	0.000030	-	0.000268	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	-	0.000027	-	0.000048	-	0.000052	-	0.000044	-	0.000007	-	0.000034	-	0.000032	-	0.000025	-	0.000022
Zinc	mg/kg/wk	-	0.0142	-	0.0161	-	0.0187	-	0.0188	-	0.0100	-	0.0150	-	0.0149	-	0.0139	-	0.0138
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000099	-	0.0000100	-	0.0000099

Table 20 - NP Depleted Humidity Cell MRARD10-082

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	986	985	994	1004	996	996	999	993	988	988	1000	994	986	987	1000	996	994
pH	no unit	4.81	5	5.15	4.86	4.98	4.87	4.55	5.35	5.55	5.26	5.27	5	4.8	5.33	5.64	4.66	5.55
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
Acidity	kg/kg/wk as CaCO ₃	3.9	3.9	6.0	5.0	2.0	3.0	3.0	4.0	2.0	3.0	5.0	3.0	3.9	3.0	2.0	7.0	2.0
Conductivity	uS/cm	24	22	22	19	18	22	26	15	24	21	22	21	19	16	13	24	14
Sulphate	mg/kg/wk	5.2	7.1	6.1	5.0	4.8	9.9	6.0	5.0	5.3	6.0	5.5	5.7	5.6	4.7	5.5	7.3	5.1
Silver	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-
Aluminum	mg/kg/wk	-	0.030	-	0.020	-	0.010	-	0.030	-	0.030	-	0.030	-	0.039	-	0.020	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-
Barium	mg/kg/wk	-	0.00052	-	0.00010	-	0.00009	-	0.00008	-	0.00007	-	0.00007	-	0.00007	-	0.00078	-
Beryllium	mg/kg/wk	-	0.000039	-	0.000030	-	0.000030	-	0.000040	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Boron	mg/kg/wk	-	0.009	-	0.008	-	0.007	-	0.006	-	0.007	-	0.009	-	0.009	-	0.007	-
Bismuth	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-
Calcium	mg/kg/wk	-	0.837	-	0.763	-	0.717	-	0.675	-	0.692	-	0.746	-	0.740	-	0.767	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000004	-	0.000003	-	0.000003	-	0.000005	-	0.000008	-	0.000081	-
Cobalt	mg/kg/wk	-	0.001054	-	0.001034	-	0.000971	-	0.000935	-	0.000988	-	0.000984	-	0.001076	-	0.000974	-
Chromium	mg/kg/wk	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00049	-	0.00050	-
Copper	mg/kg/wk	-	0.01448	-	0.01345	-	0.01285	-	0.01231	-	0.01186	-	0.01302	-	0.01253	-	0.01245	-
Iron	mg/kg/wk	-	0.106	-	0.109	-	0.103	-	0.097	-	0.092	-	0.123	-	0.127	-	0.125	-
Potassium	mg/kg/wk	-	0.018	-	0.012	-	0.011	-	0.012	-	0.013	-	0.013	-	0.011	-	0.010	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.575	-	0.520	-	0.505	-	0.477	-	0.490	-	0.514	-	0.513	-	0.522	-
Manganese	mg/kg/wk	-	0.1832	-	0.1616	-	0.1584	-	0.1569	-	0.1591	-	0.1720	-	0.1638	-	0.1554	-
Molybdenum	mg/kg/wk	-	0.000010	-	0.000070	-	0.000010	-	0.000010	-	0.000030	-	0.000010	-	0.000010	-	0.000010	-
Sodium	mg/kg/wk	-	0.1	-	0.1	-	0.0	-	0.0	-	0.0	-	0.1	-	0.1	-	0.0	-
Nickel	mg/kg/wk	-	0.0044	-	0.0042	-	0.0040	-	0.0040	-	0.0041	-	0.0041	-	0.0042	-	0.0041	-
Phosphorus	mg/kg/wk	-	0.0089	-	0.0090	-	0.0090	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0090	-
Lead	mg/kg/wk	-	0.000020	-	0.000030	-	0.000030	-	0.000040	-	0.000020	-	0.000020	-	0.000020	-	0.000110	-
Antimony	mg/kg/wk	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00069	-	0.00060	-	0.00020	-	0.00020	-
Selenium	mg/kg/wk	-	0.00004	-	0.00007	-	0.00004	-	0.00007	-	0.00004	-	0.00004	-	0.00004	-	0.00005	-
Silicon	mg/kg/wk	-	3.3	-	2.9	-	2.8	-	2.9	-	2.5	-	2.9	-	2.8	-	2.9	-
Tin	mg/kg/wk	-	0.000089	-	0.000120	-	0.000110	-	0.000159	-	0.000148	-	0.000239	-	0.000257	-	0.000239	-
Strontium	mg/kg/wk	-	0.00049	-	0.00040	-	0.00060	-	0.00040	-	0.00040	-	0.00060	-	0.00049	-	0.00040	-
Titanium	mg/kg/wk	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-	0.0001	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000016	-	0.000014	-	0.000003	-	0.000007	-	0.000005	-	0.000009	-	0.000022	-	0.000008	-
Vanadium	mg/kg/wk	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-	0.00003	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000023	-	0.000022	-	0.000018	-	0.000018	-	0.000019	-	0.000021	-	0.000019	-	0.000019	-
Zinc	mg/kg/wk	-	0.0128	-	0.0110	-	0.0100	-	0.0089	-	0.0089	-	0.0089	-	0.0089	-	0.0100	-
Mercury	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000100	-

Analyte	Unit	Wk#0 6/Sep/11	Wk#1 13/Sep/11	Wk#2 20/Sep/11	Wk#3 27/Sep/11	Wk#4 4/Oct/11	Wk#5 11-Oct-11	Wk#6 18-Oct-11	Wk#7 25-Oct-11	Wk#8 1/Nov/11	Wk# 9 8/Nov/11	Wk#10 15/Nov/11	Wk#11 22/Nov/11	Wk#12 29/Nov/11	Wk#13 06-Dec-11
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	785	977	986	983	986	993	980	990	985	982	982	985	990	990
pH	no unit	6.6	6.99	6.62	6.85	6.91	7.12	6.92	6.99	6.95	6.96	6.87	6.77	6.67	6.9
Alkalinity	mg/kg/wk as CaCO ₃	3.9	8.8	4.9	5.9	3.0	5.0	3.9	4.0	3.9	4.9	4.9	4.9	5.0	4.0
Acidity	mg/kg/wk as CaCO ₃	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	27	23	23	16	17	24	16	17	4	10	17	7	15	3
Sulphate	mg/kg/wk	4.3	2.5	2.8	2.8	2.6	2.7	2.4	2.1	2.2	2.1	1.5	1.9	1.8	1.8
Silver	mg/kg/wk	0.000079	0.0000098	0.0000099	0.0000098	0.0000099	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099
Aluminum	mg/kg/wk	0.30	0.117	0.16	0.079	0.020	0.040	-	0.040	-	0.029	-	0.059	-	0.010
Arsenic	mg/kg/wk	0.00024	0.00049	0.00020	0.00020	0.00020	0.00139	-	0.00020	-	0.00020	-	0.00020	-	0.00030
Barium	mg/kg/wk	0.000722	0.000313	0.000385	0.000216	0.000089	0.000079	-	0.000109	-	0.000079	-	0.000167	-	0.000149
Beryllium	mg/kg/wk	0.000016	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	0.030	0.022	0.013	0.011	0.009	0.010	-	0.007	-	0.008	-	0.008	-	0.007
Bismuth	mg/kg/wk	0.000079	0.0000098	0.0000099	0.0000098	0.0000099	0.0000099	-	0.0000099	-	0.0000098	-	0.0000099	-	0.0000099
Calcium	mg/kg/wk	0.016	0.020	0.020	0.020	0.020	0.020	-	0.020	-	0.029	-	0.020	-	0.020
Cadmium	mg/kg/wk	0.000002	0.000003	0.000003	0.000003	0.000003	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000011
Cobalt	mg/kg/wk	0.00007	0.000063	0.000064	0.000048	0.000032	0.000037	-	0.000010	-	0.000019	-	0.000013	-	0.000012
Chromium	mg/kg/wk	0.00039	0.00049	0.00049	0.00049	0.00049	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050
Copper	mg/kg/wk	0.00039	0.00049	0.00049	0.00049	0.00049	0.00050	-	0.00050	-	0.00049	-	0.00049	-	0.00050
Iron	mg/kg/wk	0.46	0.18	0.21	0.13	0.048	0.046	-	0.068	-	0.036	-	0.064	-	0.015
Potassium	mg/kg/wk	0.167	0.140	0.144	0.129	0.101	0.086	-	0.108	-	0.109	-	0.099	-	0.084
Lithium	mg/kg/wk	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	0.169	0.070	0.088	0.050	0.022	0.015	-	0.025	-	0.015	-	0.026	-	0.006
Manganese	mg/kg/wk	0.0027	0.0032	0.0034	0.0029	0.0003	0.0003	-	0.0025	-	0.0002	-	0.0024	-	0.0033
Molybdenum	mg/kg/wk	0.0014	0.00103	0.00074	0.00047	0.000207	0.000308	-	0.000218	-	0.000167	-	0.000118	-	0.000129
Sodium	mg/kg/wk	3.5	3.5	3.4	3.5	3.2	3.0	-	2.7	-	3.3	-	2.8	-	2.8
Nickel	mg/kg/wk	0.000079	0.000098	0.000099	0.000098	0.000099	0.000099	-	0.000099	-	0.000098	-	0.000099	-	0.000099
Phosphorus	mg/kg/wk	0.21	0.28	0.29	0.26	0.24	0.24	-	0.20	-	0.29	-	0.25	-	0.27
Lead	mg/kg/wk	0.00020	0.00002	0.00004	0.00002	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	0.00047	0.00059	0.00049	0.00029	0.00030	0.00040	-	0.00040	-	0.00029	-	0.00049	-	0.00030
Selenium	mg/kg/wk	0.00079	0.00098	0.00099	0.00098	0.00099	0.00099	-	0.00099	-	0.00098	-	0.00099	-	0.00099
Silicon	mg/kg/wk	2.69	2.8	2.4	1.8	1.4	1.3	-	1.2	-	1.1	-	0.9	-	0.8
Tin	mg/kg/wk	0.00046	0.00023	0.00023	0.00021	0.000128	0.000119	-	0.000099	-	0.000187	-	0.000138	-	0.000376
Strontium	mg/kg/wk	0.00008	0.00010	0.00010	0.00010	0.00010	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	0.0206	0.0103	0.0120	0.0073	0.0028	0.0026	-	0.0033	-	0.0016	-	0.0035	-	0.0008
Thallium	mg/kg/wk	0.000016	0.000020	0.000020	0.000020	0.000020	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	0.00001	0.00001	0.00001	0.00001	0.000004	0.000003	-	0.000001	-	0.000016	-	0.000002	-	0.000016
Vanadium	mg/kg/wk	0.00397	0.00560	0.00500	0.00377	0.00318	0.00272	-	0.00238	-	0.00244	-	0.00189	-	0.00212
Tungsten	mg/kg/wk	0.000063	0.000098	0.000108	0.000088	0.000030	0.000040	-	0.000030	-	0.000029	-	0.000030	-	0.000455
Yttrium	mg/kg/wk	0.000007	0.000006	0.000007	0.000005	0.000003	0.000002	-	0.000001	-	0.000001	-	0.000001	-	0.000002
Zinc	mg/kg/wk	0.0016	0.0020	0.0020	0.0020	0.0020	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercurv	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 21 - NP Depleted Humidity Cell MRARD10-123

Analyte	Unit	Wk#14 13-Dec-11	Wk#15 20-Dec-11	Wk#16 28-Dec-11	Wk#17 03-Jan-12	Wk#18 10-Jan-12	Wk#19 17-Jan-12	Wk#20 24-Jan-12	Wk#21 31-Jan-12	Wk#22 07-Feb-12	Wk#23 14-Feb-12	Wk#24 21-Feb-12	Wk#25 28-Feb-12	Wk#26 06-Mar-12	Wk#27 13-Mar-12	Wk#28 20-Mar-12	Wk#29 27-Mar-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	988	987	990	986	992	989	981	993	986	992	991	992	994	992	995	990
pH	no unit	6.74	6.76	6.69	6.68	6.74	6.75	6.71	6.69	6.74	6.76	6.72	6.69	6.81	6.71	6.69	6.74
Alkalinity	kg/kg/wk as CaCO ₃	4.0	3.9	3.0	3.0	3.0	3.0	3.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	3	11	3	12	3	3	3	12	3	3	3	3	3	13	15	13
Sulphate	mg/kg/wk	1.7	1.7	1.8	1.6	1.6	1.7	1.7	1.8	1.8	1.7	1.8	1.9	1.9	2.1	2.1	2.2
Silver	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.010	-	0.020	-	0.010	-	0.030	-	0.050
Arsenic	mg/kg/wk	-	0.00030	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000039	-	0.000030	-	0.000030	-	0.000040	-	0.000050	-	0.000020	-	0.000040	-	0.000050
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.007	-	0.005	-	0.006	-	0.006	-	0.006	-	0.005	-	0.006	-	0.006
Bismuth	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000004	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000016	-	0.000003	-	0.000006	-	0.000006	-	0.000011	-	0.000015	-	0.000007	-	0.000041
Chromium	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050
Copper	mg/kg/wk	-	0.00049	-	0.00049	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050
Iron	mg/kg/wk	-	0.022	-	0.037	-	0.016	-	0.012	-	0.028	-	0.021	-	0.026	-	0.042
Potassium	mg/kg/wk	-	0.085	-	0.081	-	0.085	-	0.079	-	0.076	-	0.081	-	0.077	-	0.079
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.010	-	0.006	-	0.006	-	0.005	-	0.011	-	0.006	-	0.010	-	0.016
Manganese	mg/kg/wk	-	0.0038	-	0.0003	-	0.0005	-	0.0012	-	0.0023	-	0.0019	-	0.0009	-	0.0009
Molybdenum	mg/kg/wk	-	0.000128	-	0.000079	-	0.000099	-	0.000089	-	0.000069	-	0.000069	-	0.000060	-	0.000059
Sodium	mg/kg/wk	-	2.4	-	2.1	-	2.3	-	2.2	-	2.2	-	2.3	-	2.4	-	2.4
Nickel	mg/kg/wk	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000198
Phosphorus	mg/kg/wk	-	0.24	-	0.23	-	0.25	-	0.27	-	0.27	-	0.27	-	0.32	-	0.29
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-	0.00030	-	0.00020
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099	-	0.00099
Silicon	mg/kg/wk	-	0.7	-	0.6	-	0.6	-	0.6	-	0.5	-	0.5	-	0.6	-	0.6
Tin	mg/kg/wk	-	0.000207	-	0.000128	-	0.000198	-	0.000189	-	0.000159	-	0.000169	-	0.000188	-	0.000168
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0014	-	0.0010	-	0.0007	-	0.0005	-	0.0015	-	0.0009	-	0.0012	-	0.0018
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000004	-	0.000006	-	0.000005	-	0.000004	-	0.000006	-	0.000004	-	0.000030	-	0.000005
Vanadium	mg/kg/wk	-	0.00182	-	0.00152	-	0.00167	-	0.00153	-	0.00155	-	0.00157	-	0.00194	-	0.00141
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	-	0.000003	-	0.000001	-	0.000001	-	0.000002	-	0.000002	-	0.000002	-	0.000001	-	0.000003
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	0.0030	-	-	-	-	-	-

Table 21 - NP Depleted Humidity Cell MRARD10-123

Analyte	Unit	Wk#30 03-Apr-12	Wk#31 10-Apr-12	Wk#32 17-Apr-12	Wk#33 24-Apr-12	Wk#34 01-May-12	Wk#35 08-May-12	Wk#36 15-May-12	Wk#37 22-May-12	Wk#38 29-May-12	Wk#39 05-Jun-12	Wk#40 12-Jun-12	Wk#41 19-Jun-12	Wk#42 26-Jun-12	Wk#43 03-Jul-12	Wk#44 10-Jul-12	Wk#45 17-Jul-12	Wk#46 24-Jul-12	Wk#47 31-Jul-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	992	993	996	994	993	998	994	988	994	1002	899	998	988	995	993	992	993	990
pH	no unit	6.64	6.73	6.66	6.61	6.53	6.49	6.47	6.46	6.65	6.57	6.3	6.47	6.48	6.58	6.56	6.59	6.34	6.76
Alkalinity	mg/kg/wk as CaCO ₃	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	3.6	2.0	2.0	2.0	2.0	2.0	2.0	3.0
Acidity	mg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Conductivity	uS/cm	14	13	13	14	17	14	13	13	13	20	16	10	13	15	14	14	18	17
Sulphate	mg/kg/wk	1.9	2.0	2.1	1.9	2.2	2.4	2.4	2.4	2.4	2.3	2.0	1.7	2.5	2.4	2.5	2.5	2.5	2.3
Silver	mg/kg/wk	-	0.000099	-	0.000099	-	0.0000100	-	0.000099	-	0.0000100	-	0.0000100	-	0.0000100	-	0.000099	-	0.000099
Aluminum	mg/kg/wk	-	0.010	-	0.010	-	0.010	-	0.010	-	0.040	-	0.020	-	0.040	-	0.030	-	0.010
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020
Barium	mg/kg/wk	-	0.000040	-	0.000050	-	0.000070	-	0.000069	-	0.000090	-	0.000050	-	0.000080	-	0.000060	-	0.000079
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Boron	mg/kg/wk	-	0.006	-	0.006	-	0.007	-	0.006	-	0.006	-	0.004	-	0.006	-	0.006	-	0.005
Bismuth	mg/kg/wk	-	0.000099	-	0.000099	-	0.0000100	-	0.000099	-	0.0000100	-	0.0000100	-	0.0000100	-	0.000099	-	0.000099
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003
Cobalt	mg/kg/wk	-	0.000008	-	0.000017	-	0.000016	-	0.000023	-	0.000022	-	0.000025	-	0.000018	-	0.000002	-	0.000002
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050
Copper	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00049	-	0.00090	-	0.00050	-	0.00060	-	0.00050	-	0.00050
Iron	mg/kg/wk	-	0.018	-	0.025	-	0.031	-	0.039	-	0.052	-	0.035	-	0.051	-	0.041	-	0.037
Potassium	mg/kg/wk	-	0.081	-	0.075	-	0.095	-	0.092	-	0.088	-	0.072	-	0.089	-	0.083	-	0.084
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010
Magnesium	mg/kg/wk	-	0.007	-	0.010	-	0.011	-	0.015	-	0.017	-	0.011	-	0.017	-	0.014	-	0.013
Manganese	mg/kg/wk	-	0.0018	-	0.0024	-	0.0024	-	0.0025	-	0.0013	-	0.0016	-	0.0007	-	0.0013	-	0.0011
Molybdenum	mg/kg/wk	-	0.000040	-	0.000060	-	0.000060	-	0.000049	-	0.000070	-	0.000040	-	0.000050	-	0.000079	-	0.000030
Sodium	mg/kg/wk	-	2.3	-	2.0	-	2.5	-	2.3	-	2.3	-	1.8	-	2.3	-	2.4	-	2.4
Nickel	mg/kg/wk	-	0.000099	-	0.000099	-	0.000200	-	0.000099	-	0.000100	-	0.000100	-	0.000100	-	0.000099	-	0.000198
Phosphorus	mg/kg/wk	-	0.31	-	0.28	-	0.33	-	0.40	-	0.31	-	0.35	-	0.32	-	0.32	-	0.31
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000040	-	0.000020
Antimony	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00040
Selenium	mg/kg/wk	-	0.00099	-	0.00099	-	0.00100	-	0.00099	-	0.00100	-	0.00100	-	0.00004	-	0.00004	-	0.00010
Silicon	mg/kg/wk	-	0.6	-	0.5	-	0.6	-	0.6	-	0.6	-	0.4	-	0.5	-	0.5	-	0.5
Tin	mg/kg/wk	-	0.000159	-	0.000169	-	0.000279	-	0.000168	-	0.000200	-	0.000100	-	0.000159	-	0.000169	-	0.000188
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010
Titanium	mg/kg/wk	-	0.0009	-	0.0015	-	0.0014	-	0.0022	-	0.0023	-	0.0020	-	0.0026	-	0.0021	-	0.0021
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020
Uranium	mg/kg/wk	-	0.000005	-	0.000005	-	0.000005	-	0.000002	-	0.000009	-	0.000002	-	0.000022	-	0.000005	-	0.000001
Vanadium	mg/kg/wk	-	0.00176	-	0.00155	-	0.00184	-	0.00216	-	0.00164	-	0.00180	-	0.00173	-	0.00164	-	0.00152
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000249	-	0.000030	-	0.000030
Yttrium	mg/kg/wk	-	0.000001	-	0.000002	-	0.000009	-	0.000001	-	0.000006	-	0.000002	-	0.000004	-	0.000003	-	0.000001
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020
Mercury	mg/kg/wk	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0000100	-	0.0000099	-	0.0000099

Table 21 - NP Depleted Humidity Cell MRARD10-123

Analyte	Unit	Wk#48 07-Aug-12	Wk#49 14-Aug-12	Wk#50 21-Aug-12	Wk#51 28-Aug-12	Wk#52 04-Sep-12	Wk#53 11-Sep-12	Wk#54 18-Sep-12	Wk#55 25-Sep-12	Wk#56 02-Oct-12	Wk#57 09-Oct-12	Wk#58 16-Oct-12	Wk#59 23-Oct-12	Wk#60 30-Oct-12	Wk#61 06-Nov-12	Wk#62 13-Nov-12	Wk#63 20-Nov-12	Wk#64 27-Nov-12
Leachate Volume Added (mL)	mL	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Leachate Volume Recovered (mL)	mL	990	993	990	1000	993	998	992	990	988	990	992	992	964	992	987	993	997
pH	no unit	6.61	6.57	6.91	6.46	6.54	6.55	6.52	6.45	6.46	6.85	6.54	6.52	6.95	6.31	6.35	4	6.05
Alkalinity	kg/kg/wk as CaCO ₃	2.0	2.0	4.0	2.0	2.0	2.0	2.0	4.0	2.0	4.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0
Acidity	kg/kg/wk as CaCO ₃	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	19.9	2.0
Conductivity	uS/cm	19	17	22	13	13	13	19	20	13	16	17	26	17	16	14	77	18
Sulphate	mg/kg/wk	2.5	2.6	2.2	2.6	2.4	2.2	2.6	2.7	2.7	2.6	3.0	3.2	2.7	2.7	2.9	3.2	3.0
Silver	mg/kg/wk	-	0.000099	-	0.000100	-	0.000100	-	0.000198	-	0.000099	-	0.000099	-	0.0001984	-	0.000099	-
Aluminum	mg/kg/wk	-	0.040	-	0.030	-	0.010	-	0.020	-	0.020	-	0.040	-	0.030	-	0.020	-
Arsenic	mg/kg/wk	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00020	-	0.00030	-
Barium	mg/kg/wk	-	0.000079	-	0.000060	-	0.000050	-	0.000079	-	0.000050	-	0.000198	-	0.000020	-	0.000060	-
Beryllium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Boron	mg/kg/wk	-	0.005	-	0.005	-	0.005	-	0.004	-	0.004	-	0.007	-	0.006	-	0.005	-
Bismuth	mg/kg/wk	-	0.000099	-	0.000100	-	0.000100	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-
Calcium	mg/kg/wk	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.020	-	0.030	-	0.020	-
Cadmium	mg/kg/wk	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000003	-	0.000004	-	0.000003	-	0.000003	-
Cobalt	mg/kg/wk	-	0.000062	-	0.000032	-	0.000013	-	0.000008	-	0.000025	-	0.000002	-	0.000041	-	0.000015	-
Chromium	mg/kg/wk	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Copper	mg/kg/wk	-	0.00109	-	0.00050	-	0.00050	-	0.00079	-	0.00050	-	0.00050	-	0.00050	-	0.00050	-
Iron	mg/kg/wk	-	0.027	-	0.040	-	0.027	-	0.022	-	0.031	-	0.044	-	0.020	-	0.022	-
Potassium	mg/kg/wk	-	0.087	-	0.081	-	0.075	-	0.083	-	0.081	-	0.080	-	0.082	-	0.094	-
Lithium	mg/kg/wk	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-	0.0010	-
Magnesium	mg/kg/wk	-	0.016	-	0.015	-	0.010	-	0.010	-	0.011	-	0.001	-	0.008	-	0.010	-
Manganese	mg/kg/wk	-	0.0065	-	0.0005	-	0.0011	-	0.0011	-	0.0012	-	0.0003	-	0.0001	-	0.0004	-
Molybdenum	mg/kg/wk	-	0.000040	-	0.000090	-	0.000020	-	0.000030	-	0.000089	-	0.000010	-	0.000030	-	0.000040	-
Sodium	mg/kg/wk	-	2.4	-	2.2	-	2.1	-	2.2	-	2.1	-	2.3	-	2.4	-	2.4	-
Nickel	mg/kg/wk	-	0.000099	-	0.000100	-	0.000100	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-	0.000099	-
Phosphorus	mg/kg/wk	-	0.33	-	0.31	-	0.28	-	0.28	-	0.26	-	0.33	-	0.34	-	0.35	-
Lead	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000030	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Antimony	mg/kg/wk	-	0.00020	-	0.00030	-	0.00020	-	0.00020	-	0.00089	-	0.00060	-	0.00020	-	0.00030	-
Selenium	mg/kg/wk	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-	0.00004	-
Silicon	mg/kg/wk	-	0.5	-	0.5	-	0.4	-	0.5	-	0.4	-	0.5	-	0.5	-	0.5	-
Tin	mg/kg/wk	-	0.000129	-	0.000150	-	0.000170	-	0.000139	-	0.000178	-	0.000198	-	0.000198	-	0.000149	-
Strontium	mg/kg/wk	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-	0.00010	-
Titanium	mg/kg/wk	-	0.0019	-	0.0018	-	0.0014	-	0.0010	-	0.0016	-	0.0026	-	0.0007	-	0.0013	-
Thallium	mg/kg/wk	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-	0.000020	-
Uranium	mg/kg/wk	-	0.000010	-	0.000006	-	0.000001	-	0.000005	-	0.000004	-	0.000003	-	0.000001	-	0.000010	-
Vanadium	mg/kg/wk	-	0.00137	-	0.00160	-	0.00135	-	0.00138	-	0.00128	-	0.00202	-	0.00163	-	0.00178	-
Tungsten	mg/kg/wk	-	0.000030	-	0.000030	-	0.000030	-	0.000030	-	0.000040	-	0.000030	-	0.000030	-	0.000030	-
Yttrium	mg/kg/wk	-	0.000004	-	0.000004	-	0.000002	-	0.000004	-	0.000002	-	0.000004	-	0.000001	-	0.000002	-
Zinc	mg/kg/wk	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0020	-	0.0030	-	0.0020	-
Mercury	mg/kg/wk	-	0.0000099	-	0.0000100	-	0.0000100	-	0.0000297	-	0.0000099	-	0.0000099	-	0.0000099	-	0.0000099	-

APPENDIX E.4 – WASTE MANAGEMENT CERTIFICATE OF DISPOSAL

Soumission:

Bon de Connaissance / Bon de travail

Votre Numéro de Commande d'achat: 402003133 Chauffeur: Alain Delorme	Facturé à: Code client: 19974 Sanexen Services Environnementaux inc Adresse: 1471, boul. Lionel-Boulet, bureau 32 Varennes, QC, CANADA J3X 1P7 Tél: (514) 444-9512 Fax:	Générateur: Code client: 191001 ~~Quill Energy~~ Adresse: ~~P.O. BOX 500~~ ~~Iqaluit, NU, CANADA~~ ~~X0A 0H0~~ Tél: Fax:
Camion Vendeur: HUGUES	Consignataire: Solva Rec Environnement Inc. Adresse: 795, Rue Lucien-Beaudin Saint Jean sur Richelieu, QC, CANADA J2X 5M3 Tél: (450) 347-3008 Fax: (450) 347-1270	Transporteur: Permis: R-568892-5 Solva Rec Environnement Inc. Adresse: 795, Rue Lucien-Beaudin Saint Jean sur Richelieu, QC, CANADA J2X 5M3 Tél: (450) 347-3008 Fax: (450) 347-1270

Description des travaux

Personne responsable:

Transport et disposition des MDR

Début				Fin				Travaux effectués			Temps de chargement 30 minutes allouées au client		
H	H	m	m	H	H	m	m	Total	Code	Unité	Informations supplémentaires		
6	20			8	00				D				
8	00			3	45				TT				
8	45			1	30				AT				

Description Code

Déplacement client D
 Déplacement retour DR
 Attente chargement AC
 Attente déchargement AD
 Temps d'attente de travaux TA
 Temps de disposition TD
 Temps de décontamination TC
 Transport longue distance T
 Bris d'équipement BE
 Temps de travaux TT

Description du produit

Appellation réglementaire

Classe

UN

GE

Code

Contenant
Nb Type

Poids
KG MD

Init.

Projet GB12-182												
0.0LHUIL Huile usée -10% eau huile végétal	NON RÉGLEMENTÉ	N.R.	N.R.	N.R.	A01-0.0-L	2.00	QUATREX	1000.0				
0.0LHUIL Huile usée -10% eau huile végétal	NON RÉGLEMENTÉ	N.R.	N.R.	N.R.	A01-0.0-L	4.00	QUATREX	3200.0				

125 Baie 20

Certificat de traitement des matières résiduelles dangereuses

Nom du client:

Baffinland Iron Mines

Adresse:

950, Gérard Cadieux

Salaberry de Valleyfield, QC, CANADA

J6T 6L4

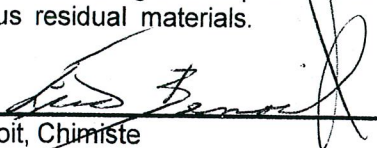
Tel.:

Fax:

Description du produit	Code	Qte	Format	Poids KG
Huile usée -10% eau	A01-0.0-L	2,00	QUATREX	644,50
Huile usée -10% eau	A01-0.0-L	125,00	BARIL20L	2 579,00

Ce document certifie que les produits mentionné au bon de connaissance 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.


Eric Benoit, Chimiste



05/10/2012
Date



APPENDIX E.5 – INCINERATOR ASH DRUM SAMPLING REPORT



A TETRA TECH COMPANY

March 27, 2013

Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON M5H 1T1

ISSUED FOR USE
EBA FILE: Y22103021-01
Via Email: jim.millard@baffinland.com

Confidential

Attention: Mr. Jim Millard
Subject: Incinerator Ash Drum Sampling Report
Mary River and Milne Inlet Camps
Baffin Island, Nunavut

1.0 INTRODUCTION

EBA Engineering Consultants Ltd., operating as EBA, A Tetra Tech Company (EBA) is pleased to provide this report for Baffinland Iron Mines Corporation describing incinerator ash drum sampling at Mary River and Milne Inlet camps on Baffin Island, Nunavut.

1.1 Objective

The objective of the incinerator ash drum sampling program was to assess the contents of the drums, collect samples for laboratory analysis, and compare the analytical results to regulatory guidelines. This work was done to determine which drums could be disposed of in the on-site landfill (Mary River Landfill) or if off-site landfill disposal is required.

1.2 Scope of Work

The scope of work, as presented in Section 2.0 of EBA's proposal for Incinerator Ash Sampling (EBA File: PY22103021-01, letter dated October 1, 2012) was executed as follows:

- Reviewed environmental documents prepared for the sites pertaining to the incinerator and landfill;
- Reviewed environmental regulations for landfills in Nunavut;
- Developed the 2012 sample analytical program; and
- Prepared a report providing the analytical results and rationale for disposal.

1.3 Authorization

Authorization to proceed with the present study was given by Mr. David Carson, of Baffinland Iron Mines Corp. (Baffinland) via a purchase order number PO13675, dated October 5, 2012.

2.0 FIELD PROGRAM

On August 30 and 31, 2012, Mr. Michael Bensing of EBA was on-site to conduct the incinerator ash drum sampling fieldwork and to train Baffinland employees to collect samples from the Mary River and

EBA Engineering Consultants Ltd. operating as EBA, A Tetra Tech Company
14940 - 123 Avenue
Edmonton, AB T5V 1B4 CANADA
p. 780.451.2121 f. 780.454.5688

Milne Inlet camps. Photo records of each site's ash drum storage areas were taken and a sketch of drum location layout was made. Photographs are presented in Appendix A.

Each ash drum was given an alpha numeric identifier, based on the row and column where the drums were stored (Figures 1 and 2). This identifier was written on the drum with a paint marker for future reference. Where possible, the contents of each drum was noted, based on a visual inspection. A list of the drum contents from the Mary River and Milne Inlet camps are provided in Tables 1 and 2, respectively. Except for drums that could not be easily opened and drums with large debris that prohibited sampling, each ash drum was sampled using a hand shovel, with any large non-incinerated debris removed. A total of 452 samples were collected, placed in glass laboratory sample jars, and placed in a cooler for transport to Exova Laboratory in Ottawa, Ontario. Exova is an accredited member of the Canadian Association for Laboratory Accreditation (CALA). Copies of the laboratory analytical reports are reproduced in Appendix B.

3.0 LABORATORY ANALYSIS

At the laboratory, a composite sample was made from a combination of four analogous individual sample jars. The four analogous samples were selected at the instruction of EBA. A total of 113 composite samples were created and subjected to the Toxicity Characteristic Leaching Procedure (TCLP), per United States Environmental Protection Agency (USEPA) Test Method 1311. Each composite sample was analyzed for arsenic, barium, boron, cadmium, chromium, lead, mercury, selenium, silver, uranium, and zinc. Any composite sample that exceeded 25% of the applicable regulatory criteria was flagged and the individual samples for that composite were analyzed individually.

4.0 ENVIRONMENTAL REGULATORY CRITERIA

EBA conducted a review of environmental documents pertaining to the Baffinland mine, including:

- "Waste Management Plan for Construction, Operation and Closure" (2012)
- "Design Basis – Waste Management Facilities", Hatch (2012)
- "Design Basis for Incinerator", Hatch (2012)
- "NWB Renewal of Licence No. 2BB-MRY0710, as Licence No. 2BB-MRY1114", Nunavut Water Board (2011)
- "Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities", Department of Environment of the Government of Nunavut (2011)
- "Commercial Lease for Inuit Owned Lands Between Qikiqtani Inuit Association (as Landlord) and Baffinland Iron Mines Corporation (as Tenant)" (2010)
- "Mary River Landfill Operations Manual", Baffinland Iron Mines Corporation (2010)
- "Environmental Code of Practice for Metal Mines", Environment Canada (2009)

- “Abandoned Military Site Remediation Protocol”, Indian and Northern Affairs Canada, Northern Affairs Organization, Contaminated Sites Program (2008)
- “Submission of an Addendum to the Landfill Site Design Report for the Mary River Project”, Baffinland Iron Mines Corporation (2008)
- “Bulk Sampling Program, Landfill Design and Operations”, Knight Piésold Ltd. (2008)

No guidance could be found regarding the number of drums to be analyzed prior to landfill disposal. The Barrel Protocol (Annex B) of the Abandoned Military Site Remediation Protocol suggests that 30 to 40% of barrels be sampled prior to disposal. The compositing of 452 samples from 1,300 to 1,500 total drums between the sites represents 30 to 35% of the drums analyzed.

The Waste Management Plan for Construction, Operation and Closure states that “Ashes from the incineration process will be buried within a designated area of the landfill. A Toxicity Characteristic Leaching Procedure (TCLP) analysis will be conducted on ash as required prior to disposal in the landfill. Ash that does not meet guidelines following TCLP analysis will be treated on-site if possible or transported for off-site disposal at an appropriate facility.” Regarding the landfill, the Plan states “Non-hazardous waste, including ashes from the incineration process, and waste which cannot be salvaged or incinerated, will be deposited in this site. Ash will only be disposed of following receipt of TCLP analysis that meets acceptable standards. There will be no disposal of food waste, hazardous materials, paper products or biomedical waste in the landfill.” The Mary River Landfill Operations Manual lists additional materials that are unacceptable for disposal in the Mary River Landfill.

The analytical results of each composite and individual samples were compared to the Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (Revised April 2011), provided by the Department of Environment of the Government of Nunavut. The specific applicable criteria is “process residuals” presented in Column 2 of Table 1 in the above referenced document.

5.0 INVESTIGATION RESULTS

5.1 Laboratory Analytical Results

The laboratory results for the composite and individual samples were compared to the above-referenced guidelines and are presented in Tables 3 and 4, respectively.

The analytical lead results of Comp 42 (17.5 mg/L), Comp 45 (62.7 mg/L), and Comp 96 (8.1 mg/L) exceeded the lead guideline (5 mg/L). The cadmium result of Comp 49 (0.35 mg/L) exceeded 25% of the cadmium guideline (0.5 mg/L).

The following individual samples of the above mentioned composite samples were analyzed:

- MI-A4, MI-B1, MI-B4, and MI-C3, composited to make M13-COMP (chromium at 0.78 mg/L). The chromium result of M13-COMP (0.78 mg/L) exceeded the former chromium guideline (0.5 mg/L), but was less than 25% of the revised guideline (5 mg/L);
- O29, O32, P26, and P30, composited to make Comp 42 (lead at 17.5 mg/L);

- Q1, Q8, R3, and R6, composited to make Comp 45 (lead at 62.7 mg/L);
- U7, U12, V11, and V13, composited to make Comp 49 (cadmium at 0.35 mg/L);
- G31, G32, G33, and H32, composited to make Comp 96 (lead at 8.1 mg/L).

The analytical results of the above individual samples were less than the applicable guidelines, except that samples 029 (114 mg/L) and Q8 (6 mg/L) exceeded the applicable guideline for lead (5 mg/L).

5.2 Drum Content Review

The following drums from the Mary River camp contained oil, oil containers, oil filters, hydraulic fluid containers, or other petroleum products, and cannot be disposed of in the Mary River Landfill: D4, D11, F11, F58, G30, H18, N10, N21, N35, O25, O35, R7, U9, V10, W12, Y1, AA3, AA4, AA27, AA30, and AA42-AA45.

The contents of the following drums from the Mary River camp could not be identified and should be determined prior to disposal: A38, A40, A41, A42, A44, A45, A51, A53, A54, B6, B7, B9, B28, B37, B40, B42, B43, B50, B52, B53, B54, B57, C29, C30, C46, C51, D5, D31, D46, D47, E14, F12, F13, F26, F57, G10, G11, G12, G29, G35 to G50, G53, H12, H25, H29, H33 to H44, H46 to H53, I1, I2, I9, I10, I12 to I15, I21 to I23, I26, I29, I30, I41, I44 to I50, J9, J18, J19, J30, J31, J34, J39, J40, J43, J44, J47 to J49, K4, K8, K16, K22, K23, L4, L22, M1, M10, M17, M37, M38, N1, N2, N16, N31, N36, N37, O1, O2, O14, O21, O31, O41, P2, P20, P29, P33, P37, P38, P40, R26, S3, S4, T1, T2, U3, U4, U10, U13, U15, U16, V3, V4, V14, V15, V18, V19, W1, W4, W9, W11, W14, W16, X10, X13, X15, AA2, AA7 to AA10, AA12, and AA39. Note that drums I9, I10, and J10 are overpack drums and drums G17 and K15 appear to be “honey buckets”.

The following drums from the Mary River camp were analyzed in 2010: A34 (IA-2010-4), A35 (IA-2010-3), B34 (IA-2010-2), B35 (IA-2010-1), E60 (I2008 09-11), S2 (IA-08/09-6), and AA37 (IA-06/07-4). Additional drums from the 2010 sampling event were not observed during the 2012 sampling event. The 2010 sampling report is provided in Appendix C.

The contents of the following drums from the Milne Inlet camp contained oil, oil containers, oil filters, hydraulic fluid containers, or other petroleum products, and cannot be disposed of in the Mary River Landfill: MI-E11, MI-E14, MI-E15, MI-F13, MI-F14, MI-I16, MI-K4, and MI-L2.

The contents of the following drums from the Milne Inlet camp could not be identified and should be determined prior to disposal: MI-B5, MI-C5, MI-C6, MI-C12, MI-C16, MI-C17, MI-C20, MI-C21, MI-C25, MI-D5, MI-D6, MI-D12, MI-D13, MI-D20, MI-D21, MI-D23 to MI-D25, MI-E6 to MI-E9, MI-E12, MI-E13, MI-E20, MI-E24, MI-E28, MI-E29, MI-F5 to MI-F8, MI-F19, MI-F20, MI-F25, MI-F26, MI-F29, MI-F30, MI-G7 to MI-G9, MI-G11, MI-G13, MI-H7 to MI-H9, MI-I2, MI-I3, MI-I12 to MI-I15, MI-J3, MI-J4, MI-J7, MI-J13 to MI-J16, MI-K5, MI-K6, MI-K10 to MI-K12, MI-K14, MI-K15, MI-L4, MI-L5, MI-L10, MI-L11, MI-L13, MI-L14, MI-L16, MI-L20, MI-M3 to MI-M6, MI-M14 to MI-M19, MI-N2 to MI-N5, MI-N11 to MI-N16, MI-O1, MI-O2, MI-O6, MI-O10, MI-O13, MI-P1, MI-P2, MI-P6, MI-P13, and MI-S1. Note that drums MI-O10, MI-O13, and MI-P13 are overpack drums.

Electronic components were observed in drums B56, G26, N3 (Mary River) and MI-J17 (Milne Inlet). Electronic components may not be disposed of in the Mary River Landfill.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the work conducted, the following is concluded:

- Four out of 113 (about 3.5%) of the composite samples (Comp 42, Comp 45, Comp 49, and Comp 96) exceeded 25% of the applicable guidelines and had the individual samples analyzed.
- Two of the individual samples (O29 and Q8) exceeded the applicable guideline. Therefore, less than 0.5% of the drums sampled would be considered to be hazardous waste.

Based on the work conducted, the following is recommended:

- Drums O29 and Q8 should be treated to become non-hazardous or sent to an off-site hazardous waste landfill.
- The drums identified in Section 5.2 as containing oil products should be sent off-site for disposal.
- Drums B56, G26, N3, and MI-J17 contained electronics, which should be removed and sent off-site for disposal.
- Drums G17 and K15 are suspected to contain human waste. The contents of these drums should be verified and disposed of properly.
- If during drum handling, the contents of the drums are observed to contain materials that are unacceptable for disposal at the Mary River Landfill, those materials should be segregated and treated or sent off-site for disposal.
- The drums that did not have their contents identified during the field program (see Section 5.2) should be investigated for oil containing products and disposed of off-site, if found.
- Sample analysis of drums that have not been analyzed is not necessary, as there were a very small percentage of drums found that exceeded regulatory guidelines.
- Baffinland may incinerate any drum contents that are amenable to incineration, if desired to minimize landfill size. Otherwise, the small amount of combustibles may be disposed of in the landfill.
- Drums disposed of in the on-site landfill should be compacted with heavy machinery as much as possible in the landfill to eliminate void space. It is not necessary to remove the contents from the drums. The drums should be placed as close together as possible, in the part of the landfill that would provide the most cover possible. The drums should be placed in the northeast corner to be as far away as possible from the lake, unless the previous recommendations are not possible.

EBA is available to assist Baffinland with the citing of the drums within the landfill or the off-site disposal of drums that cannot be placed in the Mary River Landfill.

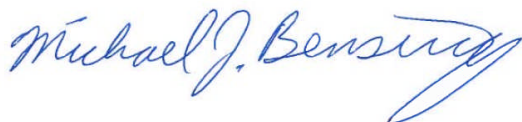
7.0 LIMITATIONS OF REPORT

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8.0 CLOSURE

We trust this letter report meets your present requirements. Should you have any questions or comments, please contact the undersigned at your convenience.

EBA Engineering Consultants Ltd.



Michael J. Bensing, P.Eng.
Senior Environmental Scientist
Environment Practice
Direct Line: 780.451.2130 x500
mbensing@eba.ca



Bill Horne, M.Sc., P.Eng.
Principal Consultant Arctic Regions
Direct Line: 780.451.2130 x276
bhorne@eba.ca

/anm

Attachments: Tables (4)
Figures (2)
Appendix A: Site Photographs
Appendix B: Laboratory Results
Appendix C: EBA's General Conditions

TABLES

Table 1	Mary River Drum Contents
Table 2	Milne Inlet Drum Contents
Table 3	Composite Sample Laboratory Analytical Results
Table 4	Individual Sample Laboratory Analytical Results

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
A1	Cans, ash, water	Comp 30
A2	Cans, small feces, ash, water	Not Analyzed
A3 - A4	Metal, water	Not Analyzed
A5	Metal, cans, water, ash	Not Analyzed
A6	Water, metal, ash	Not Analyzed
A7	Water, metal, ash, wood	Comp 62
A8	Ash, top crushed, cannot obtain sample	Not Analyzed
A9	Ash, plastic, water	Comp 85
A10	Water, metal, ash, glass	Comp 62
A11	Water, metal, ash	Not Analyzed
A12	Metal, ash	Not Analyzed
A13	Water, ash	Not Analyzed
A14	Ash, metal	Not Analyzed
A15 - A16	Metal, ash	Not Analyzed
A17	Ash, metal	Not Analyzed
A18	Ash, metal	Comp 63
A19 - A21	Ash, metal	Not Analyzed
A22	Ash, metal	Comp 63
A23	Ash, metal	Not Analyzed
A24	Metal, gaskets, ash	Comp 64
A25 - A27	Ash, metal	Not Analyzed
A28	Metal, wire, ash	Comp 28
A29	Ash, metal	Comp 64
A30 - A32	Ash, metal	Not Analyzed
A33	Metal, ash	Comp 65
A34	Metal, ash (IA-2010-4)	Not Analyzed
A35	Ash, metal (IA-2010-3)	Not Analyzed
A36	Ash, metal	Comp 65
A37	Crushed top, can't sample - ash	Not Analyzed
A38	Can't open	Not Analyzed
A39	Juice boxes, ash	Comp 86
A40	Can't open	Not Analyzed
A41 - A42	Empty closed top	Not Analyzed
A43	Sand, ash, water	Comp 86
A44 - A45	Can't open	Not Analyzed
A46	Metal	Not Analyzed
A47	Water, trash, bags	Not Analyzed
A48	Water, metal	Not Analyzed
A49	Bags	Not Analyzed
A50	Calcium chloride gel, water	Comp 95
A51	Can't open	Not Analyzed
A52	Ash, bags	Comp 86
A53 - A54	Can't open	Not Analyzed
A55 - A56	Metal	Not Analyzed
A57	Ash, trash, water	Comp 27
A58	Ash, water	Comp 86
A59	Metal, ash, water, clam shells	Comp 65
A60	Ash, fruit, water	Not Analyzed
A61	Ash	Comp 87
B1	Ash, water	Comp 85
B2	Cans, juice containers	Not Analyzed
B3	Metal, water	Not Analyzed
B4	Metal, cans, water, ash	Comp 55
B5	Water, potatoes	Not Analyzed
B6 - B7	Can't open	Not Analyzed
B8	Water, metal	Not Analyzed
B9	Top crushed, cannot obtain sample	Not Analyzed
B10	Sand, rock, ash	Comp 85
B11	Metal	Not Analyzed
B12	Metal, ash	Comp 62
B13	Water, ash	Comp 85
B14	Ash, metal	Not Analyzed
B15	Metal, ash, glass, air filters	Comp 62
B16	Metal, ash	Comp 63
B17	Metal, ash	Not Analyzed
B18	Ash, metal	Not Analyzed
B19	Metal, ash	Not Analyzed
B20	Ash, metal, wire	Comp 63
B21	Metal, ash	Not Analyzed
B22 - B23	Ash, metal	Not Analyzed
B24	Metal, ash	Not Analyzed
B25 - B26	Ash, metal	Not Analyzed
B27	Ash, metal, wood	Comp 64
B28	Can't open	Not Analyzed
B29 - B30	Ash, metal	Not Analyzed
B31	Metal, ash	Comp 64
B32	Metal, wire, ash	Comp 28
B33	Ash, metal, water	Not Analyzed
B34	Metal (IA-2010-2)	Not Analyzed
B35	Metal, ash (IA-2010-1)	Not Analyzed
B36	Trash bags, cans	Not Analyzed
B37	Can't open	Not Analyzed
B38	Ash, garbage	Comp 26
B39	Trash bags, garbage	Not Analyzed
B40	Empty closed top	Not Analyzed
B41	Ash, metal, glass, water	Comp 65
B42 - B43	Can't open	Not Analyzed
B44	Trash	Not Analyzed

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
B45	Wire, cables, air filters, ash	Comp 29
B46	Cardboard, wood	Not Analyzed
B47	Metal	Not Analyzed
B48	Calcium chloride gel, water	Comp 95
B49	Bags	Not Analyzed
B50	Can't open	Not Analyzed
B51	Trash	Not Analyzed
B52 - B54	Can't open	Not Analyzed
B55	Metal	Not Analyzed
B56	Metal, electronics	Not Analyzed
B57	Can't open	Not Analyzed
B58	Trash, water	Not Analyzed
B59	Ash, water	Comp 87
B60	Metal, ash, water	Comp 66
C1	Water, bags, ash	Not Analyzed
C2	Ash, metal, bones	Comp 66
C3	Sand, gravel, water	Comp 93
C4	Bags, cans, water, rags, wire, potatoes, ash	Comp 28
C5	Ash, cans, water	Comp 31
C6	Metal, water	Not Analyzed
C7	Ash, metal, plastic, glass, water	Not Analyzed
C8	Ash, metal, water	Comp 67
C9	Ash, cans	Comp 31
C10	Ash, plastic, metal, water	Comp 67
C11	Cans	Not Analyzed
C12	Ash, metal, water, glass	Not Analyzed
C13	Cans	Not Analyzed
C14	Ash, metal	Comp 67
C15	Sand, ash, bungee cords, wood	Not Analyzed
C16	Ash, bones	Comp 88
C17	Ash, sand, metal	Comp 68
C18	Ash, water	Comp 88
C19 - C20	Ash, metal	Not Analyzed
C21	Metal, ash, sand	Comp 68
C22	Ash, sand	Comp 88
C23	Ash, metal, water	Not Analyzed
C24	Ash, metal, wood	Not Analyzed
C25	Ash, metal	Not Analyzed
C26	Ash, metal, hose	Comp 69
C27	Ash, metal	Not Analyzed
C28	Ash, metal, wire	Comp 69
C29 - C30	Can't open	Not Analyzed
C31 - C32	Ash, metal	Not Analyzed
C33	Metal	Not Analyzed
C34	Clay	Not Analyzed
C35	Metal, electric motor	Not Analyzed
C36	Cans, water	Not Analyzed
C37	Sand, wood, water	Comp 93
C38 - C39	Metal, ash	Not Analyzed
C40 - C41	Trash, water	Not Analyzed
C42	Metal, water	Not Analyzed
C43	Metal, ash, water, wood	Comp 70
C44	Calcium chloride gel, water	Comp 95
C45	Calcium chloride gel, water	Comp 95
C46	Can't open	Not Analyzed
C47	Ash, metal	Comp 70
C48	Water, bags	Not Analyzed
C49	Not Available	Not Analyzed
C50	Red clay, water	Comp 93
C51	Unknown liquid, unopened, 1 bung open	Not Analyzed
C52	Ash	Comp 89
C53	Ash, metal, water	Comp 70
C54	Water, ash, metal	Not Analyzed
C55	Ash, metal, water	Not Analyzed
C56	Ash, metal	Comp 71
C57	Ash, metal	Not Analyzed
D1	Ash, bones, water, cans	Comp 61
D2	Ash, water	Comp 87
D3	Ash, water, cans	Not Analyzed
D4	Jet A unopened, mostly empty	Not Analyzed
D5	Can't open	Not Analyzed
D6	Metal, ash, water	Comp 66
D7	Ash, metal, plastic, bones, water	Comp 66
D8	Ash, metal, water	Not Analyzed
D9	Cans, water	Not Analyzed
D10	Ash, cans, water	Comp 31
D11	Oil Containers, plastic	Not Analyzed
D12	Metal	Not Analyzed
D13	Ash, metal, water	Comp 67
D14	Sand, ash, water	Comp 87
D15	Cans, ash, nails	Comp 31
D16	Ash, metal, bones	Not Analyzed
D17	Cans, ash, wire	Comp 29
D18	Ash, sand	Not Analyzed
D19	Liner	Not Analyzed
D20	Sand, gravel, ash, glass	Not Analyzed
D21	Ash, metal	Not Analyzed
D22	Ash, metal	Comp 68

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
D23	Ash, metal car parts	Not Analyzed
D24	Metal car parts, ash	Comp 61
D25	Ash, metal	Not Analyzed
D26	Ash, metal	Comp 68
D27	Ash, sand, metal	Not Analyzed
D28	Sand, ash, metal, ceramics	Not Analyzed
D29	Sand, ash	Comp 88
D30 - D31	Ash, metal	Not Analyzed
D32	Ash, metal	Comp 69
D33	Ash, metal	Not Analyzed
D34	Not Available	Not Analyzed
D35	Clay	Comp 93
D36	Ash, metal	Comp 69
D37	Ash, metal, water	Not Analyzed
D38	Ash, metal	Not Analyzed
D39	Ash, metal	Comp 70
D40 - D41	Garbage, water	Not Analyzed
D42	Ash, metal, water, trash	Comp 26
D43	Cans, ash, bags, water	Comp 32
D44	Water	Not Analyzed
D45	Water, bags	Not Analyzed
D46 - D47	Crushed top, not available	Not Analyzed
D48	Water, bags	Not Analyzed
D49	Not Available	Not Analyzed
D50	Clay, metal	Not Analyzed
D51	Ash, cans, glass, clam shells	Comp 32
D52	Ash, cans, plastic	Comp 32
D53	Ash, water, plastic	Comp 89
D54	Water, ash, metal, trash	Comp 27
D55	Ash, metal	Comp 71
D56	Cans	Not Analyzed
D57	Ash, metal	Not Analyzed
E1	Cans, plastic	Not Analyzed
E2	Water, foam pads	Not Analyzed
E3	Water, ash, cans	Not Analyzed
E4	Metal, water, styrofoam	Not Analyzed
E5	Ash, cans, water, cable	Comp 30
E6	Cans, ash	Comp 33
E7 - E8	Ash, cans, water	Not Analyzed
E9	Ash, metal, water	Comp 71
E10	Cans, plastic, ash	Not Analyzed
E11	Metal, plastic, water	Not Analyzed
E12	Ash, water	Comp 90
E13	Ash, sand, metal, water	Comp 71
E14	Crushed top, not available	Not Analyzed
E15 - E16	Ash, metal	Not Analyzed
E17	Ash, metal	Comp 72
E18	Ash, sand, metal	Not Analyzed
E19	Ash, slag	Comp 27
E20	Ash, metal	Not Analyzed
E21	Metal, ash	Comp 72
E22	Ash, metal	Not Analyzed
E23	Metal	Not Analyzed
E24	Metal, ash	Comp 73
E25	Metal	Not Analyzed
E26	Metal, aerosol cans	Not Analyzed
E27	Liner, water	Not Analyzed
E28 - E29	Ash, metal	Not Analyzed
E30	Ash, metal	Comp 73
E31	Metal, ash	Comp 74
E32	Ash, metal, water	Not Analyzed
E33	Ash, glass, metal, water	Not Analyzed
E34	Metal, ash	Not Analyzed
E35	Ash, metal	Not Analyzed
E36	Ash, metal, water	Not Analyzed
E37	Ash, metal, water	Comp 74
E38	Metal, ash	Not Analyzed
E39	Metal, ash	Not Analyzed
E40	Metal, ash, water	Not Analyzed
E41	Metal, ash	Not Analyzed
E42	Metal, ash	Comp 75
E43	Ash, metal	Not Analyzed
E44	Metal, ash	Comp 75
E45	Crushed top, not available	Not Analyzed
E46	Metal, ash	Not Analyzed
E47	Ash, metal	Not Analyzed
E48	Plastic bags, water	Not Analyzed
E49	Ash, metal, water	Comp 76
E50	Ash, metal	Not Analyzed
E51	Ash, metal	Comp 76
E52	Ash, metal	Comp 77
E53	Sand bags	Comp 94
E54	Cans, ash, water	Comp 33
E55	Ash, water	Comp 90
E56	Ash, cans, water	Not Analyzed
E57	Ash, cans, ceramic, water	Comp 33
E58	Ash, cans, water	Comp 34
E59	Ash, metal, styrofoam, water	Not Analyzed

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
E60	Ash, metal (I2008 09-11)	Not Analyzed
F1	Cans, ash	Not Analyzed
F2	Water, styrofoam, metal	Not Analyzed
F3	Water, ash, cans, bones	Comp 32
F4	Water, ash, cans	Not Analyzed
F5	Ash, cans, water, glass	Not Analyzed
F6	Ash, cans, water	Not Analyzed
F7	Ash, cans, water	Comp 33
F8	Ash, cans, water	Not Analyzed
F9	Ash, water	Comp 89
F10	Ash, water	Comp 89
F11	Hydraulic fluid and oil cans	Not Analyzed
F12 - F13	Crushed top, not available	Not Analyzed
F14	Ash, metal	Comp 72
F15 - F16	Ash, metal	Not Analyzed
F17	Metal	Not Analyzed
F18	Ash, sand, metal	Not Analyzed
F19	Ash, metal	Comp 72
F20	Metal, ash	Not Analyzed
F21 - F22	Ash, metal	Not Analyzed
F23	Metal, ash	Not Analyzed
F24	Ash, sand, metal	Not Analyzed
F25	Metal, ash	Comp 73
F26	Not Available	Not Analyzed
F27	Ash, metal	Comp 73
F28	Metal, ash	Not Analyzed
F29 - F30	Ash, metal	Not Analyzed
F31	Ash, metal, water	Comp 74
F32	Ash, trash, water	Comp 27
F33	Metal, ash, sand	Comp 74
F34	Ash, metal	Not Analyzed
F35	Metal	Not Analyzed
F36	Ash, metal, water, plastic	Not Analyzed
F37	Ash, metal	Not Analyzed
F38	Metal, ash	Comp 75
F39	Metal, ash	Comp 75
F40 - F41	Ash, metal, water	Not Analyzed
F42 - F43	Ash, metal	Not Analyzed
F44	Ash, metal, trash, water	Comp 26
F45	Metal, ash	Comp 76
F46	Metal, ash	Not Analyzed
F47	Plastic bags, water	Not Analyzed
F48	Metal, plastic	Not Analyzed
F49	Ash, metal	Comp 76
F50	Ash, metal	Not Analyzed
F51	Plastic bags, water	Not Analyzed
F52	Ash in bags	Comp 90
F53	Ash, metal, water	Comp 77
F54	Cans, ash, water	Not Analyzed
F55	Metal, ceramic, water	Not Analyzed
F56	Metal, glass, water	Not Analyzed
F57	Not Available	Not Analyzed
F58	Oil cans, water	Not Analyzed
F59	Ash, sand, metal	Comp 77
F60	Ash, sand, gravel	Comp 90
G1	Ash, metal, water, glass	Not Analyzed
G2	Ash, metal, water	Comp 77
G3	Ash, metal	Not Analyzed
G4	Garbage, water	Not Analyzed
G5	Cans, water	Not Analyzed
G6	Cans, ash, water	Not Analyzed
G7	Ash, cans, water	Comp 34
G8	Cans, water	Not Analyzed
G9	Banding, cable	Not Analyzed
G10 - G12	Can't open	Not Analyzed
G13	Ash, metal	Comp 78
G14	Ash, metal	Not Analyzed
G15	Metal, ash	Comp 79
G16	Ash, metal	Not Analyzed
G17	Half drum - suspected honey bucket	Not Analyzed
G18	Plastic bags, juice boxes, water	Not Analyzed
G19	Plastic bags, cans, styrofoam, water	Not Analyzed
G20	Car parts, spill pads	Not Analyzed
G21	Cable, truck parts	Not Analyzed
G22	Metal, water	Not Analyzed
G23 - G24	Car parts, water	Not Analyzed
G25	Cans, water	Not Analyzed
G26	Cans, electronics, plastic bags	Not Analyzed
G27	Metal, plastic, ash	Comp 79
G28	Metal, water	Not Analyzed
G29	Can't open	Not Analyzed
G30	Bottles, oil	Not Analyzed
G31	Not Available	Comp 96
G32	Not Available	Comp 96
G33	Not Available	Comp 96
G34	Not Available	Comp 97
G35 - G50	Not Available	Not Analyzed
G51	Not Available	Comp 97

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
G52	Not Available	Comp 97
G54	Not Available	Comp 98
H1 - H2	Ash, metal, water	Not Analyzed
H3	Ash, metal, plastic, water	Not Analyzed
H4	Ash, metal	Comp 78
H5	Ash, metal, water	Comp 78
H6	Cans, ash, water	Comp 34
H7	Ash, cans, water	Not Analyzed
H8	Spill pads, cans, water	Not Analyzed
H9	Not Available	Not Analyzed
H10	Wood, metal	Not Analyzed
H11	Ash, metal	Comp 78
H12	Can't open	Not Analyzed
H13	Ash, metal, water	Not Analyzed
H14 - H15	Ash, metal	Not Analyzed
H16	Ash, metal	Comp 79
H17	Liner, cans, ash, water	Comp 34
H18	Transmission fluid and windsheild wiper cans	Not Analyzed
H19	Ash, cans	Comp 35
H20	Insulation, water	Not Analyzed
H21	Air filters	Not Analyzed
H22	Metal, water	Not Analyzed
H23 - H24	Car parts, water	Not Analyzed
H25	Can't open	Not Analyzed
H26	Metal, water, plastic bags	Not Analyzed
H27	Water	Not Analyzed
H28	Ash, metal, water	Comp 79
H29	Can't open	Not Analyzed
H30	Ash, metal, water	Comp 80
H31	Ash, cans, water	Not Analyzed
H32	Not Available	Comp 96
H33 - H44	Not Available	Not Analyzed
H45	Not Available	Comp 97
H46 - H53	Not Available	Not Analyzed
H54	Not Available	Comp 98
I1 - I2	Not Available	Not Analyzed
I3	Not Available	Comp 99
I4	Not Available	Comp 99
I5	Not Available	Comp 99
I6	Not Available	Com 100
I7	Not Available	Com 100
I8	Not Available	Comp 101
I9 - I10	Not Available	Not Analyzed
I11	Not Available	Comp 101
I12 - I15	Not Available	Not Analyzed
I16	Not Available	Comp 103
I17	Not Available	Comp 103
I18	Not Available	Comp 103
I19	Not Available	Not Analyzed
I20	Not Available	Comp 104
I21 - I23	Not Available	Not Analyzed
I24	Not Available	Comp 105
I25	Not Available	Comp 106
I26 - I27	Not Available	Not Analyzed
I28	Not Available	Comp 107
I29 - I30	Not Available	Not Analyzed
I31	Not Available	Comp 108
I32	Not Available	Comp 108
I33	Not Available	Comp 108
I34	Not Available	Comp 109
I35	Not Available	Comp 109
I36	Not Available	Comp 110
I37	Not Available	Comp 110
I38	Not Available	Comp 110
I39	Not Available	Comp 111
I40	Not Available	Comp 111
I41	Not Available	Not Analyzed
I42	Not Available	Comp 112
I43	Not Available	Comp 112
I44 - I50	Not Available	Not Analyzed
J1	Not Available	Comp 98
J2	Not Available	Comp 98
J3	Not Available	Not Analyzed
J4	Not Available	Comp 99
J5	Not Available	Com 100
J6	Not Available	Com 100
J7	Not Available	Comp 101
J8	Not Available	Comp 101
J9	Not Available	Not Analyzed
J10	Not Available	Comp 102
J11	Not Available	Comp 102
J12	Not Available	Comp 102
J13	Not Available	Comp 102
J14	Not Available	Comp 103
J15	Not Available	Comp 104
J16	Not Available	Comp 104
J17	Not Available	Comp 104
J18 - J19	Not Available	Not Analyzed

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
J20	Not Available	Comp 105
J21	Not Available	Comp 105
J22	Not Available	Comp 105
J23	Not Available	Comp 106
J24	Not Available	Comp 106
J25	Not Available	Comp 106
J26	Not Available	Comp 107
J27	Not Available	Comp 107
J28	Not Available	Comp 107
J29	Not Available	Comp 108
J30 - J31	Not Available	Not Analyzed
J32	Not Available	Comp 109
J33	Not Available	Comp 109
J34	Not Available	Not Analyzed
J35	Not Available	Comp 110
J36	Not Available	Comp 111
J37	Not Available	Comp 111
J38	Not Available	Comp 112
J39 - J40	Not Available	Not Analyzed
J41	Not Available	Comp 112
J42	Not Available	Comp 113
J43 - J44	Not Available	Not Analyzed
J45	Not Available	Comp 113
J46	Not Available	Comp 113
J47 - J49	Not Available	Not Analyzed
K1	Cans, ash	Not Analyzed
K2	Plastic, ash, water	Comp 91
K3	Plastic, insulation, water	Not Analyzed
K4	Multiple lids, water	Not Analyzed
K5	Ash, sand	Comp 91
K6	Plastic, metal	Not Analyzed
K7	Metal, plastic	Not Analyzed
K8	Many lids	Not Analyzed
K9	Ash, metal	Comp 80
K10	Ash, cardboard, cans	Comp 36
K11 - K12	Ash, cans	Not Analyzed
K13	Cans, water, ash	Comp 36
K14	Plastic bottles, water, cans, ash	Not Analyzed
K15	Possible honey bucket	Not Analyzed
K16	Can't open	Not Analyzed
K17	Sand, gravel	Not Analyzed
K18	Cans, rocks, bones	Comp 37
K19	Ash, metal, water	Comp 80
K20	Metal, ash, water	Not Analyzed
K21	Cans, ash, water	Comp 37
K22 - K23	Can't open	Not Analyzed
K24	Ash, cans	Comp 37
K25	Ash, cans, water	Not Analyzed
K26	Ash, cans, water, glass	Not Analyzed
K27	Ash, cans, water	Not Analyzed
K28	Ash, metal	Comp 81
L1	Trash	Comp 25
L2	Cans, ash	Comp 35
L3	Plastic, ash	Not Analyzed
L4	Many lids, water	Not Analyzed
L5	Plastic bags, ash, bottles, glass	Comp 91
L6	Ash, cans	Comp 35
L7	Ash, metal	Comp 80
L8	Ash, cans	Comp 35
L9	Sand, ash, water	Comp 91
L10	Cans	Comp 36
L11	Paper, cans	Not Analyzed
L12 - L13	Ash, cans, water	Not Analyzed
L14	Plastic, cans, water	Not Analyzed
L15	Ash, cans	Comp 36
L16	Ash, metal	Not Analyzed
L17	Ash, sand, gravel, plastic, water	Not Analyzed
L18 - L19	Ash, metal, water	Not Analyzed
L20	Ash, metal, water	Comp 81
L21	Sand, ash, wood, water	Comp 92
L22	Can't open	Not Analyzed
L23	Ash, water	Not Analyzed
L24 - L25	Ash, cans, water	Not Analyzed
L26	Ash, cans, water	Comp 37
L27	Ash, cans, water	Not Analyzed
L28	Cans, water	Not Analyzed
L29	Trash, ash, water	Comp 26
M1	Can't open	Not Analyzed
M2	Cans, ash	Comp 38
M3 - M4	Plastic, water	Not Analyzed
M5	Ash, metal, water	Comp 81
M6	Plastic, metal, ash, water	Not Analyzed
M7	Ash, cans, water	Not Analyzed
M8	Ash, cans, water, styrofoam	Comp 38
M9	Ash, cans, water	Comp 38
M10	Can't open	Not Analyzed
M11	Wood, hose, water	Not Analyzed
M12	Wood, water	Not Analyzed

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
M13	Cans, water	Not Analyzed
M14	Cans, ash, water	Not Analyzed
M15	Wrapped fish	Not Analyzed
M16	Ash, cans, wood	Comp 39
M17	Can't open	Not Analyzed
M18	Metal, car parts	Not Analyzed
M19	Liner	Not Analyzed
M20	Conduit, banding	Not Analyzed
M21	Cans, ash, banding	Comp 30
M22	Ash, oranges, cans	Comp 61
M23	Ash, cans, styrofoam	Comp 39
M24	Ash, cans	Not Analyzed
M25	Cans, ash	Not Analyzed
M26	Cans, plastic, ash	Not Analyzed
M27	Ash, metal, water	Comp 82
M28	Ash, metal, water	Not Analyzed
M29	Metal, ash	Comp 82
M30	Ash, metal, water	Comp 82
M31	Ash, metal, water	Not Analyzed
M32	Ash, metal, water	Comp 83
M33 - M34	Spill Pads	Not Analyzed
M35	Cans, ash	Not Analyzed
M36	Plastic, cans, ash	Comp 39
M37 - M38	Can't open	Not Analyzed
N1 - N2	Can't open	Not Analyzed
N3	Electronics	Not Analyzed
N4	Plastic, metal, ash, water	Not Analyzed
N5	Trash	Not Analyzed
N6	Trash, water	Not Analyzed
N7	Ash, cans, water	Not Analyzed
N8	Cans, metal	Not Analyzed
N9	Sand, cans	Comp 61
N10	Oil filters, air filters	Not Analyzed
N11	Empty	Not Analyzed
N12	Cans, ash, water, paper	Comp 38
N13	Cans, ash, water	Not Analyzed
N14	Cans, insulation, water	Not Analyzed
N15	Ash, cans	Not Analyzed
N16	Can't open	Not Analyzed
N17	Metal, car parts	Not Analyzed
N18	Plastic, metal	Not Analyzed
N19	Banding	Not Analyzed
N20	Metal, ash, water	Comp 81
N21	Oily water	Not Analyzed
N22	Cans, metal, styrofoam, water	Not Analyzed
N23	Metal	Not Analyzed
N24	Cans, ash	Comp 39
N25	Ash, sand	Comp 92
N26	Ash, metal, water	Not Analyzed
N27	Ash, metal, water	Comp 82
N28 - N29	Ash, metal	Not Analyzed
N30	Ash, metal, water	Not Analyzed
N31	Can't open	Not Analyzed
N32 - N33	Spill pads, clothing, cardboard	Not Analyzed
N34	Ash, metal, water	Comp 83
N35	Oil cans, paint products, plastic	Not Analyzed
N36 - N37	Can't open	Not Analyzed
O1 - O2	Can't open	Not Analyzed
O3	Ash, metal, water	Not Analyzed
O4	Bags, cables, cans, ash, water	Comp 28
O5	Ash, cans, water	Not Analyzed
O6	Cans, metal	Not Analyzed
O7	Cans, ash, water	Comp 40
O8	Plastic, cans, ash, water	Not Analyzed
O9	Metal, ash, water	Not Analyzed
O10	Metal, ash	Not Analyzed
O11	Metal, ash, wire, light bulbs	Comp 25
O12	Metal, ash	Comp 84
O13	Metal	Not Analyzed
O14	Can't open	Not Analyzed
O15	Metal, plastic	Not Analyzed
O16	Metal, ash	Comp 84
O17	Ash, metal	Comp 84
O18	Ash, cans	Comp 41
O19	Plastic, metal and water	Not Analyzed
O20	Liner, plastic bags and water	Not Analyzed
O21	Can't open	Not Analyzed
O22	Water, ash, cans and plastic	Comp 41
O23	Ash, cans and scrap metal	Comp 55
O24	Glass, cardboard, light bulbs, insulation	Not Analyzed
O25	Oily water, plastic	Not Analyzed
O26	Water, scrap metal	Not Analyzed
O27	Ash, cans, plastic, scrap metal	Not Analyzed
O28	Cans, aluminum foil, water, aerosol cans	Not Analyzed
O29	Ash, cans	Comp 42
O30	Plastic bags, water	Not Analyzed
O31	Can't open	Not Analyzed
O32	Ash, cans	Comp 42

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
O33	Ash, cans, water	Not Analyzed
O34	Plastic, cans, water, ash	Comp 43
O35	Oily water	Not Analyzed
O36	Ash, cans, water	Comp 43
O37	Plastic, food scraps, cans	Not Analyzed
O38	Ash, cans, water, plastic	Comp 44
O39	Ash, cans, water, metal	Comp 55
O40	Ash, cans, water	Comp 44
O41	Can't open	Not Analyzed
O42	Ash, cans, water	Comp 44
O43	Food remains, water	Not Analyzed
O44	Cans, water	Not Analyzed
P1	Cans, ash	Comp 40
P2	Can't open	Not Analyzed
P3	Ash, metal, water	Not Analyzed
P4	Ash, metal, water	Comp 83
P5	Cans, plastic, ash	Not Analyzed
P6	Cans, plastic, ash	Comp 40
P7	Not Available	Comp 113
P8	Cans, ash, wire, plastic	Comp 29
P9	Ash, cans, water	Comp 40
P10	Metal, ash	Comp 83
P11	Metal	Not Analyzed
P12	Cans	Not Analyzed
P13	Ash, metal, water	Not Analyzed
P14	Ash, metal, water	Comp 84
P15	Metal, water	Not Analyzed
P16	Metal, ash	Not Analyzed
P17	Ash, metal	Not Analyzed
P18	Ash, cans	Not Analyzed
P19	Ash, cans	Comp 41
P20	Can't open	Not Analyzed
P21	Ash, cans	Not Analyzed
P22	Ash, cans	Not Analyzed
P23	Cardboard, plastic, water	Not Analyzed
P24	Plastic, water, cardboard	Not Analyzed
P25	Ash, cans, water	Comp 41
P26	Ash, cans	Comp 42
P27	Plastic, spill pads, aerosol cans, ash	Not Analyzed
P28	Ash, cans, plastic, water	Comp 55
P29	Can't open	Not Analyzed
P30	Ash, cans, water	Comp 42
P31	Aerosol cans, metal, plastic, water	Not Analyzed
P32	Ash, cans, water	Comp 43
P33	Can't open	Not Analyzed
P34	Ash, cans, water	Comp 43
P35	Plastic, cables, scrap metal, water	Not Analyzed
P36	Plastic, ash, cans, water	Comp 44
P37 - P38	Can't open	Not Analyzed
P39	Water, food scraps, plastic	Not Analyzed
P40	Can't open	Not Analyzed
P41	Water, plastic bags	Not Analyzed
Q1	Ash, cans, water, plastic	Comp 45
Q2	Ash, cans, water	Not Analyzed
Q3	Water, ash, cans, plastic	Not Analyzed
Q4	Ash, cans, water	Not Analyzed
Q5	Water, ash, cans, plastic	Not Analyzed
Q6	Plastic, ash, cans, water	Not Analyzed
Q7	Ash, cans, aerosol cans, water	Not Analyzed
Q8	Ash, cans, water	Comp 45
Q9	Ash, cans, glass	Comp 46
Q10	Metal, plastic, wire, ash	Comp 29
Q11	Plastic, ash, cans, water	Not Analyzed
Q12	Ash, cans, water, metal	Comp 56
Q13	Water, plastic	Not Analyzed
Q14	Ash, cans, water, plastic	Comp 46
Q15	Ash, cans, water, plastic metal	Comp 56
Q16	Plastic, cans, water, metal	Not Analyzed
Q17	Ash, cans, water	Not Analyzed
Q18	Ash, cans, water	Comp 47
Q19 - Q20	Ash, cans, water	Not Analyzed
Q21	Water, ash, cans	Not Analyzed
Q22	Scrap metal, water, ash, cans, plastic	Not Analyzed
Q23	Scrap metal, water, ash, plastic, cans	Not Analyzed
Q24	Metal, water, ash, cans, glass	Comp 57
Q25	Ash, cans	Comp 47
Q26	Ash, cans, water	Not Analyzed
R1	Cans, water, plastic	Not Analyzed
R2	Cans, insulation, glass, water, plastic	Not Analyzed
R3	Ash, cans, water	Comp 45
R4	Ash, cans, water	Not Analyzed
R5	Plastic, water, ash, cans	Not Analyzed
R6	Ash, cans	Comp 45
R7	Metal, spill pads, oily water	Not Analyzed
R8	Plastic, light bulbs, aerosol cans, ash, water	Not Analyzed
R9	Ash, cans, water	Not Analyzed
R10	Cans, aerosol cans, water, ash	Not Analyzed
R11	Ash, cans, water	Comp 46

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
R12	Ash, cans, water, metal	Not Analyzed
R13	Scrap metal, ash, cans, water	Not Analyzed
R14	Scrap metal, ash, cans, water	Comp 56
R15	Ash, cans water	Not Analyzed
R16	Ash, cans water	Comp 46
R17	Ash, cans	Not Analyzed
R18	Ash, cans, water	Not Analyzed
R19	Ash, cans, water, wire cable	Comp 30
R20	Ash, cans, water	Comp 47
R21	Plastic, water, ash, cans	Not Analyzed
R22	Ash, cans, plastic, water	Comp 56
R23	Scrap metal, plastic, water, ash, cans, baterries	Not Analyzed
R24	Water, ash, cans, plastic	Comp 47
R25	Ash, cans, water, plastic	Not Analyzed
S1	Ash, cans, water	Comp 48
S2	Sampled in 2010 as IA-08/09-6	Not Analyzed
S3 - S4	Can't open	Not Analyzed
S5	Ash, cans, water	Not Analyzed
S6	Ash, cans, water	Not Analyzed
T1 - T2	Can't open	Not Analyzed
T3	Water, plastic bags, ash	Not Analyzed
T4	Ash, cans, water	Comp 48
T5	Ash, cans, water	Not Analyzed
U1	Ash, cans, water	Comp 48
U2	Ash, cans, water	Not Analyzed
U3 - U4	Can't open	Not Analyzed
U5	Ash, cans, scrap metal	Comp 57
U6	Ash, cans, scrap metal	Not Analyzed
U7	Plastic, water, ash, cans	Com 49
U8	Metal, ash, cans, water	Not Analyzed
U9	Plastic, oily water, spill pads	Not Analyzed
U10	Can't open	Not Analyzed
U11	Ash, cans, water	Not Analyzed
U12	Ash, cans, water	Com 49
U13	Can't open	Not Analyzed
U14	Soil, water	Comp 94
U15 - U16	Can't open	Not Analyzed
U17	Ash, cans	Not Analyzed
U18 - U19	Ash, cans, water	Not Analyzed
U20	Ash, cans, water	Comp 50
U21	Ash, cans, scrap metal	Comp 58
V1	Ash, cans, water	Not Analyzed
V2	Ash, cans, water	Comp 48
V2 - V4	Can't open	Not Analyzed
V5	Ash, cans, scrap metal, light bulbs	Comp 25
V6	Ash, cans, scrap metal, light bulbs	Comp 25
V7	Ash, cans, plastic, water	Not Analyzed
V8	Ash, cans, plastic, water	Comp 57
V9	Scrap metal	Not Analyzed
V10	Oily water, scrap metal, aerosol cans	Not Analyzed
V11	Ash, cans, water	Com 49
V12	Ash, cans, water	Not Analyzed
V13	Plastic, ash, cans, water	Com 49
V14 - V15	Can't open	Not Analyzed
V16	Ash, cans, water	Comp 50
V17	Ash, cans, scrap metal, water	Comp 57
V18 - V19	Can't open	Not Analyzed
V20	Soil, water	Comp 94
V21	Soil, water	Comp 94
V22	Water, plastic bags	Not Analyzed
V23	Ash, cans, scrap metal	Not Analyzed
V24	Ash, cans, scrap metal	Comp 58
W1	Can't open	Not Analyzed
W2	Scrap metal, water, inaccessible ash	Not Analyzed
W3	Ash, cans	Not Analyzed
W4	Can't open	Not Analyzed
W5	Water, auto parts	Not Analyzed
W6	Empty	Not Analyzed
W7	Ash, cans, water, glass	Comp 50
W8	Ash, cans water	Not Analyzed
W9	Can't open	Not Analyzed
W10	Plastic, wood, tubing, metal, water	Not Analyzed
W11	Can't open	Not Analyzed
W12	Oily water, oil cans, scrap metal	Not Analyzed
W13	Water, cans, plastic bags	Not Analyzed
W14	Can't open (plastic blue drum)	Not Analyzed
W15	Scrap metal, wood, cans, liner	Not Analyzed
W16	Can't open	Not Analyzed
W17	Scrap metal, water	Not Analyzed
X1	Ash, cans	Comp 50
X2	Ash, cans, scrap metal	Comp 58
X3	Water, scrap metal, auto parts	Not Analyzed
X4	Hose, water, auto parts	Not Analyzed
X5	Water, wood, plastic bags	Not Analyzed
X6	Ash, cans, water, batteries, auto parts	Not Analyzed
X7	Ash, cans, water, scrap metal	Comp 58
X8	Plastic, tubing water, scrap metal	Not Analyzed
X9	Scrap metal, water	Not Analyzed

Table 1: Mary River Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
X10	Can't open	Not Analyzed
X11	Plastic bags, water	Not Analyzed
X12	Spill pads, garbage bags, cans	Not Analyzed
X13	Can't open	Not Analyzed
X14	Water, scrap metal	Not Analyzed
X15	Can't open	Not Analyzed
X16	Plastic, water	Not Analyzed
X17	Ash, cans, water	Comp 51
Y1	Scrap metal, oil water, plastic	Not Analyzed
Y2	Plastic, ash, cans, water	Comp 51
Y3 - Y4	Ash, cans, scrap metal	Not Analyzed
Z1	Plastic, ash, cans, water	Not Analyzed
Z2	Plastic bags, liner, cloth	Not Analyzed
Z3	Ash, cans, scrap metal	Comp 59
Z4	Ash, cans, scrap metal	Not Analyzed
AA1	Ash, water	Comp 92
AA2	Can't open	Not Analyzed
AA3	Pails, oil water	Not Analyzed
AA4	Ash, plastic, oily water	Not Analyzed
AA5	Ash, cans, water	Comp 51
AA6	Ash, cans, water, glass	Comp 51
AA7 - AA10	Can't open	Not Analyzed
AA11	Scrap metal, cans, ash	Not Analyzed
AA12	Can't open	Not Analyzed
AA13	Ash, cans, scrap metal	Comp 59
AA14	Ash, cans, water, scrap metal	Comp 59
AA15	Plastic, metal, water	Not Analyzed
AA16	Ash, cans, scrap metal	Comp 59
AA17	Scrap metal, plastic, water	Not Analyzed
AA18	Wood, banding, plastic, water	Not Analyzed
AA19	Ash, cans, water	Comp 52
AA20	Ash, cans, water	Comp 52
AA21	Plastic bags, rubber hose	Not Analyzed
AA22	Scrap metal, water	Not Analyzed
AA23	Scrap metal	Not Analyzed
AA24	Scrap metal, water	Not Analyzed
AA25	Scrap metal, aerosol cans	Not Analyzed
AA26	Scrap metal	Not Analyzed
AA27	Oily water, spill pads	Not Analyzed
AA28	Scrap metal, seat cushion	Not Analyzed
AA29	Scrap metal, wood	Not Analyzed
AA30	Metal, hose, oily water, wire	Not Analyzed
AA31	Metal	Not Analyzed
AA32	Scrap metal, plastic, water	Not Analyzed
AA33	Rubber hose, metal, water	Not Analyzed
AA34	Ash, soil, water, rubber hose, scrap metal	Comp 60
AA35	Scrap metal, plastic, ash	Not Analyzed
AA36	Rubber hose	Not Analyzed
AA37	Scrap metal, ash (IA-06/07-4)	Not Analyzed
AA38	Ash, cans, water	Comp 52
AA39	Can't open	Not Analyzed
AA40	Ash, cans, scrap metal	Comp 60
AA41	Ash, cans, scrap metal	Comp 60
AA42 - AA45	Contaminated soil	Not Analyzed
AA46	Ash, soil, water	Comp 92
AB1	Ash, cans, water	Comp 52
AB2	Ash, cans, plastic	Not Analyzed
AB3	Ash, cans, water	Comp 53
AB4	Ash, cans, scrap metal	Comp 60
AB5	Ash, cans, water	Comp 53
AB6	Ash, cans	Comp 53
AB7	Ash, cans, water	Comp 53
AB8	Ash, cans, water	Not Analyzed
AB9	Ash, cans	Comp 54
AB10	Ash, cans, water	Comp 54
AB11	Ash, cans, water	Not Analyzed
AB12	Ash, cans, water, plastic	Comp 54
AB13	Ash, cans, water, plastic	Comp 54
Notes: • The drum contents listed were based on visual observations of the surficial contents of the drums and is not meant to be all-inclusive.		

Table 2: Milne Inlet Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
MI-A1	Cans, cable	Not Analyzed
MI-A2	Metal, plastic, foam, air filters	Not Analyzed
MI-A3	Metal, ash	Not Analyzed
MI-A4	Metal, ash	M13-COMP
MI-A5	Plastic bags	Not Analyzed
MI-A6	Insulation, plastic, cans	Not Analyzed
MI-B1	Ash, metal	M13-COMP
MI-B2	Cans, plastic, paper, water	Not Analyzed
MI-B3	Metal, ash	Not Analyzed
MI-B4	Ash, metal	M13-COMP
MI-B5	Can't open	Not Analyzed
MI-B6	Insulation, plastic	Not Analyzed
MI-C1	Fruit, water, cans, plastic	Not Analyzed
MI-C2	Paper, ash, cans	M11-COMP
MI-C3	Metal, ash	M13-COMP
MI-C4	Metal, ash	Not Analyzed
MI-C5 to C6	Can't open	Not Analyzed
MI-C7	Bags, water	Not Analyzed
MI-C8	Metal, plastic, ash	M21-COMP
MI-C9	Metal, ash	Not Analyzed
MI-C10	Metal, plastic, ceramic, ash, water	Not Analyzed
MI-C11	Cans	Not Analyzed
MI-C12	Can't open	Not Analyzed
MI-C13	Ash, metal, glass, water	M14-COMP
MI-C14 to C15	Cans	Not Analyzed
MI-C16 to C17	Can't open	Not Analyzed
MI-C18	Metal, ash	Not Analyzed
MI-C19	Metal, ash	M15-COMP
MI-C20	Ash, cans, water	Not Analyzed
MI-C21	Can't open	Not Analyzed
MI-C22	Automobile parts, water	Not Analyzed
MI-C23	Ash, bone, plastic, water	M3-COMP
MI-C24	Ash, bone, water	M3-COMP
MI-C25	Can't open	Not Analyzed
MI-C26	Metal, glass, ash, water	Not Analyzed
MI-C27	Metal, glass, ash, water	M15-COMP
MI-C28	Metal, batteries, aerosol cans, plastic	Not Analyzed
MI-C29	Ash, cans, water	Not Analyzed
MI-D1	Cans, ash	M4-COMP
MI-D2	Gravel, ash, cans	M22-COMP
MI-D3	Metal, ash	M14-COMP
MI-D4	Metal, ash	M14-COMP
MI-D5 to D6	Can't open	Not Analyzed
MI-D7	Plastic, water	Not Analyzed
MI-D8	Plastic, metal, wood	Not Analyzed
MI-D9	Metal, ash, glass	M14-COMP
MI-D10	Metal, plastic, ash, water	Not Analyzed
MI-D11	Cans, ash, plastic, water	Not Analyzed
MI-D12 to D13	Can't open	Not Analyzed
MI-D14	Cans	Not Analyzed
MI-D15	Ash, cans, water	M4-COMP
MI-D16	Bags, cans	Not Analyzed
MI-D17	Sand, gravel, ash, cans, water	M22-COMP
MI-D18	Metal, ash	M15-COMP
MI-D19	Metal, ash	M15-COMP
MI-D20 to D21	Can't open	Not Analyzed
MI-D22	Metal	Not Analyzed
MI-D23 to D25	Can't open	Not Analyzed
MI-D26	Metal, plastic, ash, water	M21-COMP
MI-D27	Gravel, ash, cans	M22-COMP
MI-D28	Wood, strapping, slings, banding	Not Analyzed
MI-D29	Ash, cans, water	M4-COMP
MI-E1	Metal, broken light bulbs	Not Analyzed
MI-E2	Cans	Not Analyzed
MI-E3	Cans, ash	M5-COMP
MI-E4	Sand, gravel, water	M24-COMP
MI-E5	Wood, sand bags, water	Not Analyzed
MI-E6 to E9	Can't open	Not Analyzed
MI-E10	Metal, plastic, ash	M21-COMP
MI-E11	Plastic, cloth, oil bottles, water	Not Analyzed
MI-E12 to E13	Can't open	Not Analyzed
MI-E14	Oily spill pads	Not Analyzed
MI-E15	Oily gravel	Not Analyzed
MI-E16	Ash, cans, water	M4-COMP
MI-E17	Plastic, insulation, cans, ash	M2-COMP
MI-E18	Metal, ash	M16-COMP

Table 2: Milne Inlet Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
MI-E19	Sand, water	Not Analyzed
MI-E20	Can't open	Not Analyzed
MI-E21	Cans, ash, wood, water	M11-COMP
MI-E22	Wood, water	Not Analyzed
MI-E23	Wood, metal	Not Analyzed
MI-E24	Can't open	Not Analyzed
MI-E26	Plastic	Not Analyzed
MI-E27	Plastic, water	Not Analyzed
MI-E28 to E29	Can't open	Not Analyzed
MI-F1	Metal	Not Analyzed
MI-F2	Insulation	Not Analyzed
MI-F3	Clayey sand, water	Not Analyzed
MI-F4	Sand, gravel, water	Not Analyzed
MI-F5 to F8	Can't open	Not Analyzed
MI-F9	Metal, ash, water	Not Analyzed
MI-F10	Shock absorbers, plastic, air filters	Not Analyzed
MI-F11	Rocks	Not Analyzed
MI-F12	Sand	M23-COMP
MI-F13 to F14	Oily gravel	Not Analyzed
MI-F15	Cardboard, cans, water	Not Analyzed
MI-F16	Paper, metal, ash, cans	M3-COMP
MI-F17	Metal, ash	M16-COMP
MI-F18	Metal, ash	Not Analyzed
MI-F19 to F20	Can't open	Not Analyzed
MI-F21	Cans, ash, water	M5-COMP
MI-F22	Water, wood	Not Analyzed
MI-F23	Cans, ash, plastic, water	M11-COMP
MI-F24	Cans, ash, plastic, water	M12-COMP
MI-F25 to F26	Can't open	Not Analyzed
MI-F27	Ash, cans, plastic, water	M12-COMP
MI-F28	Ash, cans, plastic, water	M12-COMP
MI-F29	Can't open	Not Analyzed
MI-F30	Wood, metal	Not Analyzed
MI-G1	Clayey sand, water	Not Analyzed
MI-G2	Plastic, ash, water	Not Analyzed
MI-G3	Ash, bones, metal, water	M3-COMP
MI-G4	Air filters, metal	Not Analyzed
MI-G5	Wood, insulation, metal, cardboard	Not Analyzed
MI-G6	Ash, metal	M16-COMP
MI-G7 to G9	Can't open	Not Analyzed
MI-G10	Cans, ash	M5-COMP
MI-G11	Can't open	Not Analyzed
MI-G12	Plastic bottles, hose, water	Not Analyzed
MI-G13	Can't open	Not Analyzed
MI-H1	Sand, ash, cans, water	M22-COMP
MI-H2	Sand, ash, cans, water	M23-COMP
MI-H3	Metal, ash	M16-COMP
MI-H4	Wood, insulation, metal, cardboard	Not Analyzed
MI-H5	Cans, ash, water	M5-COMP
MI-H6	Cans, ash, air filters	M2-COMP
MI-H7 to H9	Can't open	Not Analyzed
MI-H10	Cans, ash	M6-COMP
MI-H11	Cans, plastic, ash, water	M12-COMP
MI-H12	Cans, ash, water	M6-COMP
MI-H13	Cardboard, belts, ash, water	M2-COMP
MI-I1	Glass, ash, water, batteries	M1-COMP
MI-I2 to I3	Can't open	Not Analyzed
MI-I4	Ash, metal, water	M17-COMP
MI-I5	Ash, cans, water	Not Analyzed
MI-I6	Sand, gravel, cobbles, metal, wood	Not Analyzed
MI-I7	Metal, water	Not Analyzed
MI-I8	Metal truck wheel iron casting	Not Analyzed
MI-I9	Water	Not Analyzed
MI-I10	Sand, gravel, water	Not Analyzed
MI-I11	Water	Not Analyzed
MI-I12 to I15	Can't open	Not Analyzed
MI-I16	Radiator, water, oil	Not Analyzed
MI-I17	Metal	Not Analyzed
MI-I18	Ash, metal, water	M17-COMP
MI-I19	Ash, cans	M7-COMP
MI-I20	Rocks	Not Analyzed
MI-J1	Cans, ash	M6-COMP
MI-J2	Cans, ash	M6-COMP
MI-J3 to J4	Can't open	Not Analyzed
MI-J5	Sand, ash, rocks	Not Analyzed
MI-J6	Ash, cans, water	M7-COMP

Table 2: Milne Inlet Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
MI-J7	Can't open	Not Analyzed
MI-J9	Ash, cans	M7-COMP
MI-J10	Ash, cans, water, glass	M7-COMP
MI-J11	Sand, gravel, ash	M23-COMP
MI-J12	Water	Not Analyzed
MI-J13 to J16	Can't open	Not Analyzed
MI-J17	Cardboard, plastic, electronics	Not Analyzed
MI-J18	Metal, plastic, electrical parts	Not Analyzed
MI-J19	Ash, cans, light bulbs	M1-COMP
MI-J20	Cans, ash	Not Analyzed
MI-K1	Ash, cans	M8-COMP
MI-K2	Ash, cans, metal, batteries	M1-COMP
MI-K3	Ash, metal	M17-COMP
MI-K4	Water, oil	Not Analyzed
MI-K5 To K6	Can't open	Not Analyzed
MI-K7	Water, plastic	Not Analyzed
MI-K8	Sand, water	M24-COMP
MI-K9	Wood, metal, plastic	Not Analyzed
MI-K10 to K12	Can't open	Not Analyzed
MI-K13	Metal	Not Analyzed
MI-K14 to K15	Can't open	Not Analyzed
MI-K16	Ash, metal	M17-COMP
MI-K17	Rubber, metal	Not Analyzed
MI-K18	Ash, metal, water	Not Analyzed
MI-K19	Ash, metal, water	M18-COMP
MI-L1	Ash, cans	Not Analyzed
MI-L2	Metal, water, oil	Not Analyzed
MI-L3	Metal, water	Not Analyzed
MI-L4 to L5	Can't open	Not Analyzed
MI-L6	Wood, plastic	Not Analyzed
MI-L7	Sand bags, water	Not Analyzed
MI-L8	Wood, metal, plastic, styrofoam	Not Analyzed
MI-L9	Cans	Not Analyzed
MI-L10 to L11	Can't open	Not Analyzed
MI-L12	Metal	Not Analyzed
MI-L13 to L14	Can't open	Not Analyzed
MI-L15	Metal, plastic, ash	M21-COMP
MI-L16	Can't open	Not Analyzed
MI-L17	Metal, plastic, foam	Not Analyzed
MI-L18	Clayey sand	M24-COMP
MI-L19	Trash, metal	Not Analyzed
MI-L20	Can't open	Not Analyzed
MI-M1	Metal, ash	M18-COMP
MI-M2	Metal, ash	Not Analyzed
MI-M3 to M6	Can't open	Not Analyzed
MI-M7	Metal, ash, water	M18-COMP
MI-M8	Metal, ash, water	M19-COMP
MI-M9	Trash	Not Analyzed
MI-M10	Cardboard, metal	Not Analyzed
MI-M11	Cans, ash	Not Analyzed
MI-M12	Metal, plastic	Not Analyzed
MI-M13	Empty	Not Analyzed
MI-M14 to M19	Can't open	Not Analyzed
MI-N1	Metal, ash	Not Analyzed
MI-N2 to N5	Can't open	Not Analyzed
MI-N6	Metal, ash	M18-COMP
MI-N7	Metal, ash, water	Not Analyzed
MI-N8	Wood, plastic, rope	Not Analyzed
MI-N9	Sand	M24-COMP
MI-N10	Metal, wood	Not Analyzed
MI-N11 to N16	Can't open	Not Analyzed
MI-O1 to O2	Can't open	Not Analyzed
MI-O3	Bags, insulation, wood, water	Not Analyzed
MI-O4	Ash, metal, water	M19-COMP
MI-O5	Plastic, metal, water	Not Analyzed
MI-O6	Can't open	Not Analyzed
MI-O7	Ash, sand, mica	M2-COMP
MI-O8	Ash, cans, water	M8-COMP
MI-O9	Ash, cans, water	Not Analyzed
MI-O10	Can't open	Not Analyzed
MI-O11	Cans, ash	M9-COMP
MI-O12	Cans, ash	Not Analyzed
MI-O13	Can't open	Not Analyzed
MI-P1 to P2	Can't open	Not Analyzed
MI-P3	Plastic, aerosol cans, water	Not Analyzed
MI-P4	Ash, metal	M19-COMP

Table 2: Milne Inlet Site Incinerator Ash Drum Contents and Composite Identifier

Barrel Number	Contents	Composite ID
MI-P5	Ash, metal	Not Analyzed
MI-P6	Can't open	Not Analyzed
MI-P7	Ash, cans	M8-COMP
MI-P8	Ash, cans, water	M8-COMP
MI-P9	Ash, cans, water	M9-COMP
MI-P11 to P12	Cans, ash	Not Analyzed
MI-P13	Can't open	Not Analyzed
MI-Q1	Metal, ash	Not Analyzed
MI-Q2	Sand	Not Analyzed
MI-Q3	Cans, water	Not Analyzed
MI-Q4	Cans, ash, water	M9-COMP
MI-Q5	Cans, ash, water	Not Analyzed
MI-Q6	Cans, ash, water	M10-COMP
MI-Q7	Cans, ash, water	Not Analyzed
MI-Q8	Slag, metal	M1-COMP
MI-Q9	Ash, metal	M20-COMP
MI-R1	Metal, ash	M19-COMP
MI-R2	Sand, ash, cans	M23-COMP
MI-R3	Sand, ash, cans	Not Analyzed
MI-R4	Cans, ash, water	M9-COMP
MI-R5	Cans, ash, water	M10-COMP
MI-R6	Cans, ash, water	M10-COMP
MI-R7	Cans, ash, water	M10-COMP
MI-R8	Cans	Not Analyzed
MI-R9	Cans, ash, water	M11-COMP
MI-S1	Can't open	Not Analyzed
MI-S2	Cans	Not Analyzed
MI-S3	Trash	Not Analyzed
MI-T1	Metal, ash, water	M20-COMP
MI-T2	Metal, ash, water	M20-COMP
MI-T3	Metal, ash, water	Not Analyzed
MI-T4	Ash, metal, water	M20-COMP
MI-T5	Trash	Not Analyzed

Note: "MI-E25", "MI-J8" and "MI-P10" were skipped.

The drum contents listed were based on visual observations of the surficial contents of the drums and is not meant to be all-inclusive.

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals

Individual Sample ID for the Composite			MI-Q8	MI-O7	MI-C23	MI-D1	MI-E3	MI-H10	MI-J6	MI-K1	MI-P9	MI-R5	MI-R9
			MI-K2	MI-H6	MI-C24	MI-D15	MI-F21	MI-H12	MI-J9	MI-P7	MI-O11	MI-Q6	MI-C2
			MI-I1	MI-H13	MI-G3	MI-D29	MI-G10	MI-J1	MI-J10	MI-O8	MI-Q4	MI-R6	MI-E21
			MI-J19	MI-E17	MI-F16	MI-E16	MI-H5	MI-J2	MI-I19	MI-P8	MI-R4	MI-R7	MI-F23
Composite Sample ID	Units	Hazardous Waste Criteria ¹	M1-COMP	M2-COMP	M3-COMP	M4-COMP	M5-COMP	M6-COMP	M7-COMP	M8-COMP	M9-COMP	M10-COMP	M11-COMP
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	1	3	2	2	2	2	2	3	2	2	3
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Notes:													
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut													
² Ontario only													
			>25% of haz waste limit										
			> haz waste limit										

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			MI-F24	MI-A4	MI-D3	MI-C19	MI-E18	MI-I4	MI-K19	MI-M8	MI-Q9	MI-C8
			MI-F27	MI-B1	MI-D4	MI-D18	MI-F17	MI-I18	MI-M1	MI-P4	MI-T1	MI-D26
			MI-F28	MI-B4	MI-D9	MI-D19	MI-H3	MI-K3	MI-M7	MI-O4	MI-T2	MI-E10
			MI-H11	MI-C3	MI-C13	MI-C27	MI-G6	MI-K16	MI-N6	MI-R1	MI-T4	MI-L15
Composite Sample ID	Units	Hazardous Waste Criteria ¹	M12-COMP	M13-COMP	M14-COMP	M15-COMP	M16-COMP	M17-COMP	M18-COMP	M19-COMP	M20-COMP	M21-COMP
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	2	3	2	2	1	1	1	1	1	<1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	0.78	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Notes:												
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut												
² Ontario only												
		>25% of haz waste limit										
		> haz waste limit										

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			MI-D2	MI-H2	MI-N9	L1	B38	A57	A28	B45	A1	C5	D43	E54
			MI-D17	MI-J11	MI-L18	O11	D42	D54	B32	D17	E5	C9	D51	E57
			MI-D27	MI-R2	MI-E4	V5	F44	E19	C4	P8	M21	D10	D52	E6
			MI-H1	MI-F12	MI-K8	V6	L29	F32	O4	Q10	R19	D15	F3	F7
Composite Sample ID	Units	Hazardous Waste Criteria ¹	M22-COMP	M23-COMP	M24-COMP	Comp 25	Comp 26	Comp 27	Comp 28	Comp 29	Comp 30	Comp 31	Comp 32	Comp 33
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1
Boron	mg/L	500 ²	<1	1	<1	2	<1	1	1	1	<1	<1	1	2
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	<1	6	2	<1	5	1	8	19	1	2
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
		>25% of haz waste limit												
		> haz waste limit												

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			E58	H19	K10	K18	M2	M16	O7	O18	O29	O34	O38	Q1
			G7	L2	K13	K21	M8	M23	P1	O22	O32	O36	O40	Q8
			H17	L6	L10	K24	M9	M36	P6	P19	P26	P32	O42	R3
			H6	L8	L15	L26	N12	N24	P9	P25	P30	P34	P36	R6
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 34	Comp 35	Comp 36	Comp 37	Comp 38	Comp 39	Comp 40	Comp 41	Comp 42	Comp 43	Comp 44	Comp 45
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	1
Boron	mg/L	500 ²	<1	<1	<1	1	1	2	<1	1	2	1	<1	2
Cadmium	mg/L	0.5	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	17.5	<1	<0.1	62.7
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	<1	<1	<1	<1	1	<1	8	6	<1	95
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
			>25% of haz waste limit											
			> haz waste limit											

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			Q14	Q18	S1	U7	U20	AA5	AA19	AB3	AB10	B4	Q12	Q24
			Q9	Q25	T4	U12	V16	AA6	AA20	AB5	AB12	O23	Q15	U5
			R11	R20	U1	V11	W7	X17	AA38	AB6	AB13	O39	R14	V17
			R16	R24	V2	V13	X1	Y2	AB1	AB7	AB9	P28	R22	V8
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 46	Comp 47	Comp 48	Comp 49	Comp 50	Comp 51	Comp 52	Comp 53	Comp 54	Comp 55	Comp 56	Comp 57
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	2	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	1	2	2	1	1	2	1	4	1	1	<1	<1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	5	<1	<1	4	12	2	<1	5	<1	5	66	27
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
			>25% of haz waste limit											
			> haz waste limit											

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			U21	AA13	AA34	D1	A10	A18	A24	A33	B60	C10	C17	C26
			V24	AA14	AA40	D24	A7	A22	A29	A36	C2	C14	C21	C28
			X2	AA16	AA41	M22	B12	B16	B27	A59	D6	C8	D22	D32
			X7	Z3	AB4	N9	B15	B20	B31	B41	D7	D13	D26	D36
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 58	Comp 59	Comp 60	Comp 61	Comp 62	Comp 63	Comp 64	Comp 65	Comp 66	Comp 67	Comp 68	Comp 69
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	2	5	1	1	<1	3	2	1	2	2	2	2
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	4	2	<1	<1	4	<1	<1	<1	<1	<1	<1	<1
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
			>25% of haz waste limit											
			> haz waste limit											

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			C43	C56	E17	E24	E31	E42	E49	E52	G13	G15	H30	K28
			C47	D55	E21	E30	E37	E44	E51	F53	H11	G27	K19	L20
			C53	E13	F14	F25	F31	F38	F45	F59	H4	H16	K9	M5
			D39	E9	F19	F27	F33	F39	F49	G2	H5	H28	L7	N20
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 70	Comp 71	Comp 72	Comp 73	Comp 74	Comp 75	Comp 76	Comp 77	Comp 78	Comp 79	Comp 80	Comp 81
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	2	<1	2	2	1	1	2	<1	2	2	<1	1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	1	7	1	<1	<1	3	<1	<1	<1	1	<1
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
			>25% of haz waste limit											
			> haz waste limit											

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			M27	M32	O12	A9	A39	A61	C16	C52	E12	K2	AA1	C3
			M29	N34	O16	B1	A43	B59	C18	D53	E55	K5	AA46	C37
			M30	P10	O17	B10	A52	D14	C22	F10	F52	L5	L21	C50
			N27	P4	P14	B13	A58	D2	D29	F9	F60	L9	N25	D35
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 82	Comp 83	Comp 84	Comp 85	Comp 86	Comp 87	Comp 88	Comp 89	Comp 90	Comp 91	Comp 92	Comp 93
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	3	<1	<1	<1	<1	1	<1	<1
Boron	mg/L	500 ²	1	<1	1	2	<1	<1	2	1	<1	<1	<1	<1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	2	<1	1	1	<1	<1	<1	2	<1	10	<1
Notes:														
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut														
² Ontario only														
			>25% of haz waste limit											
			> haz waste limit											

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

Individual Sample ID for the Composite			E53	A50	G31	G34	G54	I3	I6	I11	J10	I16	I20	I24	I25
			U14	B48	G32	G51	H54	I4	I7	I8	J11	I17	J15	J20	J23
			V20	C44	G33	G52	J1	I5	J5	J7	J12	I18	J16	J21	J24
			V21	C45	H32	H45	J2	J4	J6	J8	J13	J14	J17	J22	J25
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 94	Comp 95	Comp 96	Comp 97	Comp 98	Comp 99	Comp 100	Comp 101	Comp 102	Comp 103	Comp 104	Comp 105	Comp 106
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1
Boron	mg/L	500 ²	<1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1	1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	8.1	<1	<1	<1	<1	<1	<1	<1	<1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	1	<1	3	<1	<1	3	<1	21	5	3	<1
Notes:															
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut															
² Ontario only															
>25% of haz waste limit															
> haz waste limit															

Table 3: Incinerator Ash Drum Composite Sample Analytical Results - Metals (continued)

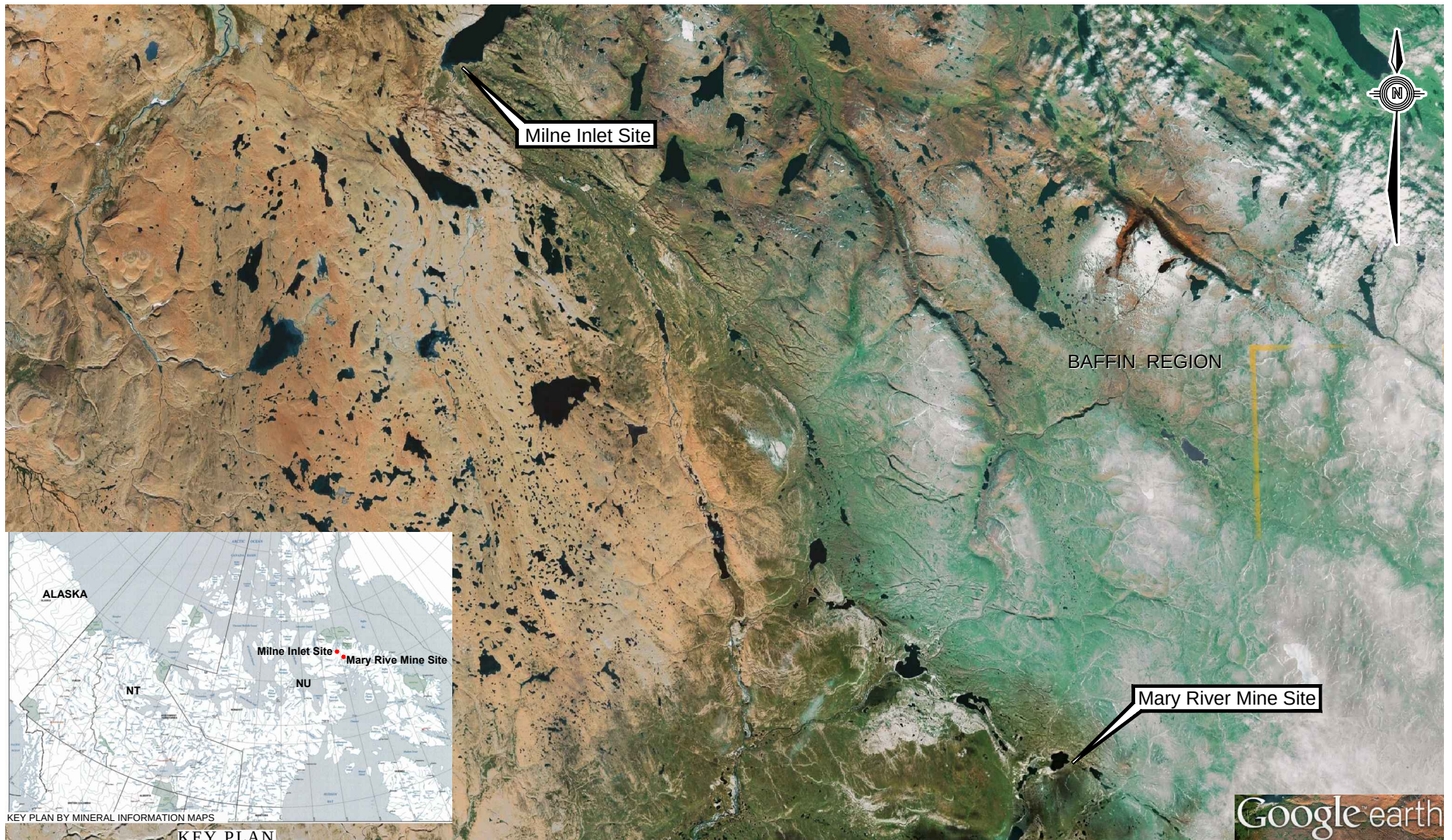
Individual Sample ID for the Composite			I28	I31	I34	I36	I39	I42	J42
			J26	I32	I35	I37	I40	I43	J45
			J27	I33	J32	I38	J36	J38	J46
			J28	J29	J33	J35	J37	J41	P7
Composite Sample ID	Units	Hazardous Waste Criteria ¹	Comp 107	Comp 108	Comp 109	Comp 110	Comp 111	Comp 112	Comp 113
Parameter/Sample Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium	mg/L	100	<1	<1	<1	<1	<1	<1	<1
Boron	mg/L	500 ²	2	1	<1	<1	2	<1	<1
Cadmium	mg/L	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/L	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	mg/L	5	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	mg/L	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium	mg/L	10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	mg/L	500	<1	<1	1	98	7	<1	6
Notes:									
¹ Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut									
² Ontario only									
			>25% of haz waste limit						
			> haz waste limit						

Table 4: Incinerator Ash Drum Individual Sample Analytical Results - Metals

Parameter/ Sample ID	Units	Hazardous Waste Criteria ¹	COMP 13				COMP 42				COMP 45				COMP 49				COMP 96			
			MI-A4	MI-B1	MI-B4	MI-C3	O29	O32	P26	P30	Q1	Q8	R3	R6	U7	U12	V11	V13	G31	G32	G33	H32
Sampling Date			8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	9/2/2012	9/2/2012	9/2/2012	9/2/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Arsenic	mg/L	2.5	<0.001	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01
Barium	mg/L	100	<0.1	0.9	<0.1	2.5	<0.1	<0.1	0.1	0.2	<0.1	2.2	0.2	<0.1	1.8	0.1	0.8	1.4	0.4	0.2	0.6	0.2
Boron	mg/L	500 (Ontario only)	1	1.5	2.8	2.5	<1	2.7	1.3	1.4	0.9	1.8	0.5	1.6	1.6	1.6	<1	1.4	0.6	2.3	0.5	0.5
Cadmium	mg/L	0.5	<0.001	0.044	<0.001	<0.001	<0.1	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.001	<0.001	<0.001	<0.1
Chromium	mg/L	5	<0.05	<0.05	1.36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	0.01	<0.01	0.02	<0.1	<0.5	<0.1	<0.1
Lead	mg/L	5	<0.01	0.04	<0.01	<0.01	114	4.05	0.72	0.09	0.19	6	0.10	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	0.16	<0.01	<0.01
Mercury	mg/L	0.1	<0.001	<0.001	<0.001	<01001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	1	<0.01	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01
Silver	mg/L	5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
Uranium	mg/L	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	500	0.3	21	0.5	0.1	85	6.1	1.6	0.7	0.4	170	4.3	1.4	7.6	18	9.6	1.4	0.2	0.8	0.4	8.4
Notes: ¹Environmental Guideline for Industrial Waste Discharges into Municipal Solid Waste and Sewage Treatment Facilities (April 2011), Dept. of Environment, Government of Nunavut ²Ontario only > haz waste limit																						

FIGURES

Figure 1	Site Location Map
Figure 2	Mary River Drum Map
Figure 3	Milne Inlet Drum Map



KEY PLAN

CLIENT

Baffinland Mining Corp.



BAFFINLAND INCINERATOR ASH SAMPLING
BAFFIN ISLAND

SITE LOCATION

PROJECT NO.
Y22103021-01

DWN
TK

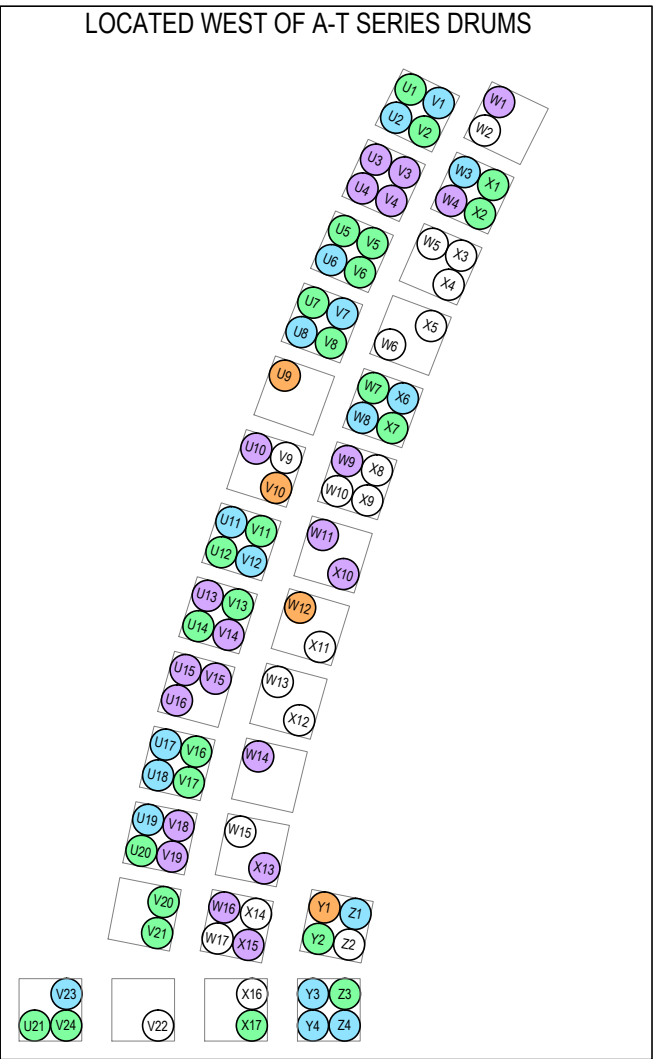
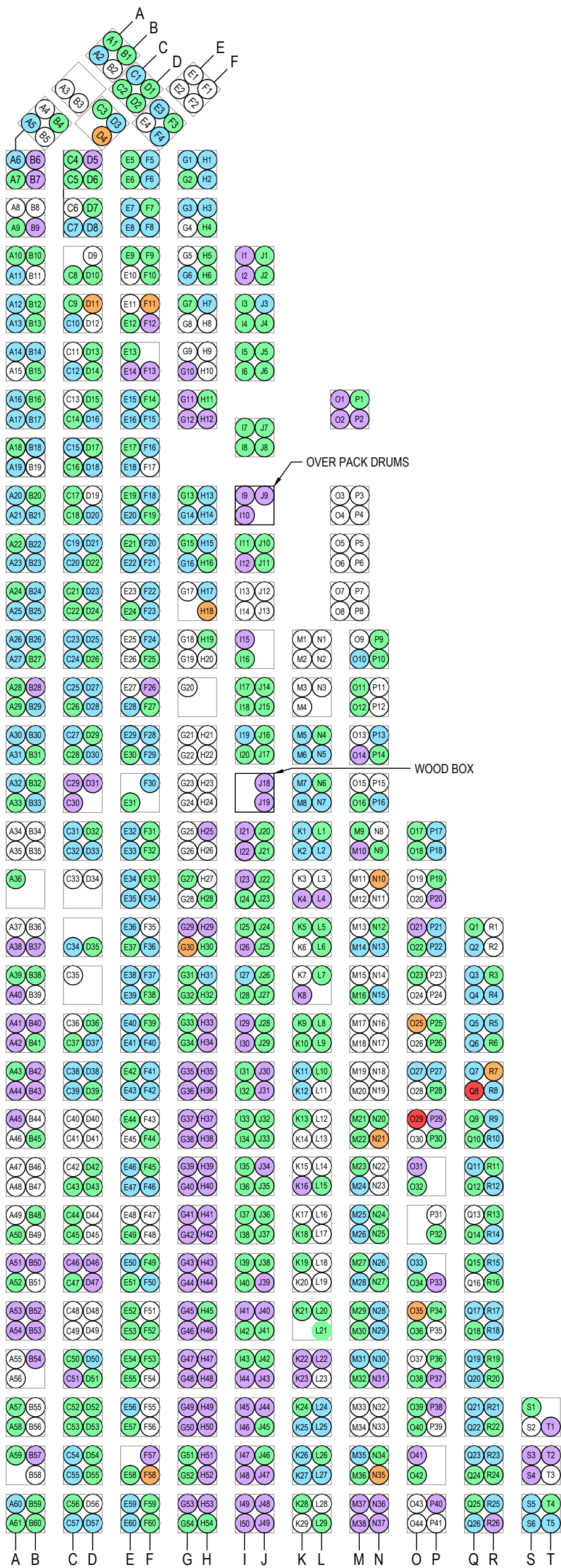
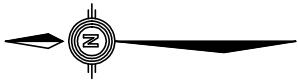
CKD
MB

REV
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OFFICE
EDM

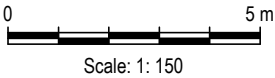
DATE
March 2013

Figure 1



- LEGEND:
- SAMPLED, BUT NOT ANALYZED
 - ANALYSIS BELOW HAZARDOUS WASTE LIMITS
 - ANALYSIS ABOVE HAZARDOUS WASTE LIMITS
 - DRUMS WITH PETROLEUM WASTE
 - CONTENTS UNKNOWN
 - CONTENTS KNOWN BUT NOT SAMPLLED

NOTES
DRUM LOCATIONS ARE APPROXIMATE



CLIENT

Baffinland Mining Corp.

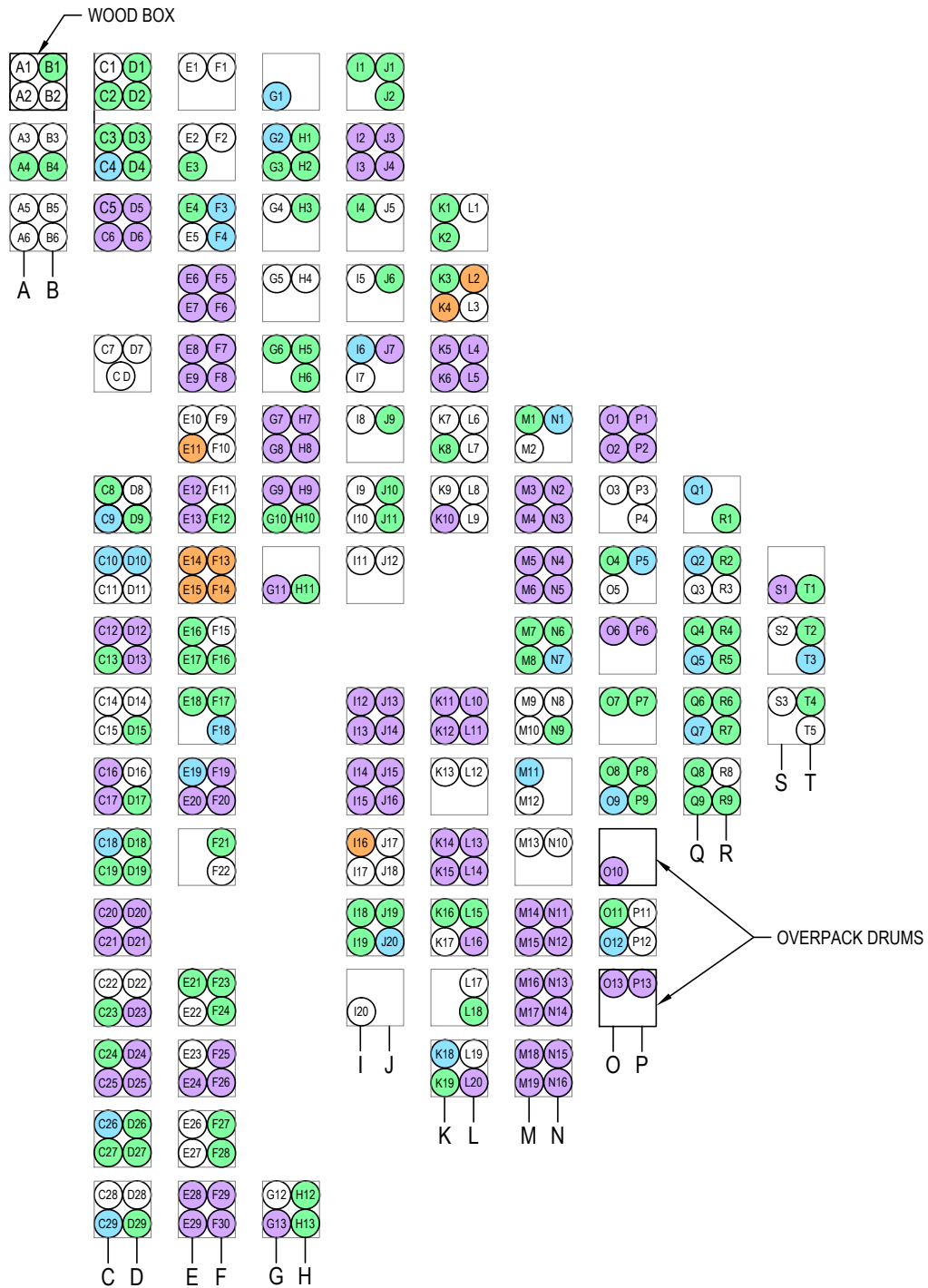


BAFFINLAND INCINERATOR ASH SAMPLING
BAFFIN ISLAND

MARY RIVER DRUM MAP

PROJECT NO. Y22103021-01	DWN BR/TK	CKD MB	REV 0
OFFICE EDM	DATE March 2013		

Figure 2



NOTES

DRUM LOCATIONS ARE APPROXIMATE

LEGEND:

- - SAMPLED, BUT NOT ANALYZED
- - ANALYSIS BELOW HAZARDOUS WASTE LIMITS
- - DRUMS WITH PETROLEUM WASTE
- - CONTENTS UNKNOWN
- - CONTENT KNOWN BUT NOT SAMPLED

CLIENT

Baffinland Mining Corp.



BAFFINLAND INCINERATOR ASH SAMPLING BAFFIN ISLAND

MILNE INLET DRUM MAP

PROJECT NO.
Y22103021-01

DWN
TK

CKD
MB

REV
0

OFFICE
EDM

DATE
March 2013

Figure 3

APPENDIX A

APPENDIX A SITE PHOTOGRAPHS



Photo 1 (92): Mary River Drums, facing north



Photo 2 (90): Mary River Drums, facing northeast



Photo 3 (89): Mary River Drums, facing east



Photo 4 (88): Mary River Drums, facing south-southeast



Photo 5 (87) : Mary River Drums, facing south-southwest



Photo 6 (85) : Mary River Drums, facing west-southwest



Photo 7 (93) : Mary River Drums, facing west



Photo 8 (17) : Milne Inlet Drums, facing northwest



Photo 9 (18) : Milne Inlet Drums, facing southwest



Photo 10 (19) : Milne Inlet Drums, facing southeast

APPENDIX B

APPENDIX B LABORATORY RESULTS

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220443
Date Submitted: 2012-09-19
Date Reported: 2012-10-04
Project:
COC #: 756679

Page 1 of 5

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220443
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-04
 Project:
 COC #: 756679

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985882 REG 347 LCH 2012-08-30 M1-COMP	985883 REG 347 LCH 2012-08-30 M2-COMP	985884 REG 347 LCH 2012-08-30 M3-COMP	985885 REG 347 LCH 2012-08-30 M4-COMP
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			36.3	56.1	45.6	67.2
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	3	2	2
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.05	mg/L	LQC-5.0			0.09		
		0.1	mg/L	LQC-5.0		<0.1		<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	<1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985886 REG 347 LCH 2012-08-30 M5-COMP	985887 REG 347 LCH 2012-08-30 M6-COMP	985888 REG 347 LCH 2012-08-30 M7-COMP	985889 REG 347 LCH 2012-08-30 M8-COMP
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			29.2	42.6	44.7	58.1
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		2	2	2	3
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1

Guideline = REG 558

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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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220443
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-04
 Project:
 COC #: 756679

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985886 REG 347 LCH 2012-08-30 M5-COMP	985887 REG 347 LCH 2012-08-30 M6-COMP	985888 REG 347 LCH 2012-08-30 M7-COMP	985889 REG 347 LCH 2012-08-30 M8-COMP
Group	Analyte	MRL	Units	Guideline					
Metals	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	<1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985890 REG 347 LCH 2012-08-30 M9-COMP	985891 REG 347 LCH 2012-08-30 M10-COMP	985892 REG 347 LCH 2012-08-30 M11-COMP	985893 REG 347 LCH 2012-08-30 M12-COMP
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			39.5	53.3	54.8	44.2
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		2	2	3	2
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	<1

Guideline = REG 558

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Report Number: 1220443
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-04
 Project:
 COC #: 756679

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238721 Analysis Date 2012-09-20 Method C SM2540B			
Moisture			80-120
Run No 238928 Analysis Date 2012-09-25 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 238968 Analysis Date 2012-09-25 Method EPA 200.8			
Ag	<0.01 mg/L	98	89-111
As	<0.1 mg/L	100	81-119
B	<1 mg/L	92	81-119
Ba	<1 mg/L	101	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	99	89-111
Pb	<0.1 mg/L	97	89-111
Se	<0.1 mg/L	99	77-123
U	<0.1 mg/L	97	87-113
Zn	<1 mg/L	94	89-111

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Report Number: 1220443
Date Submitted: 2012-09-19
Date Reported: 2012-10-04
Project:
COC #: 756679

QC Summary

Analyte		Blank	QC % Rec	QC Limits	
Run No	239522	Analysis Date	2012-10-04	Method	M SM3120B-3500C
Cr		<0.005 mg/L	94	92-108	

Guideline = REG 558

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Report Number: 1220451
Date Submitted: 2012-09-19
Date Reported: 2012-10-04
Project:
COC #: 756679

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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.

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Report Number: 1220451
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756679

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985903 REG 347 LCH 2012-08-30 M13-COMP	985904 REG 347 LCH 2012-08-30 M14-COMP	985905 REG 347 LCH 2012-08-30 M15-COMP	985906 REG 347 LCH 2012-08-30 M16-COMP
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			30.8	40.0	26.9	15.4
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		3	2	2	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.05	mg/L	LQC-5.0		0.78			
		0.1	mg/L	LQC-5.0			<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	<1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985907 REG 347 LCH 2012-08-30 M17-COMP	985908 REG 347 LCH 2012-08-30 M18-COMP	985909 REG 347 LCH 2012-08-30 M19-COMP	985910 REG 347 LCH 2012-08-30 M20-COMP
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			45.7	23.9	20.3	17.6
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	1	1	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1

Guideline = REG 558

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Report Number: 1220451
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 Project:
 COC #: 756679

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					985907 REG 347 LCH 2012-08-30 M17-COMP	985908 REG 347 LCH 2012-08-30 M18-COMP	985909 REG 347 LCH 2012-08-30 M19-COMP	985910 REG 347 LCH 2012-08-30 M20-COMP
Metals	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L		<1	<1	<1	<1
Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					985911 REG 347 LCH 2012-08-30 M21-COMP	985912 REG 347 LCH 2012-08-30 M22-COMP	985913 REG 347 LCH 2012-08-30 M23-COMP	985914 REG 347 LCH 2012-08-30 M24-COMP
General Chemistry	Moisture	0.1	%		21.6	11.5	12.6	6.4
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0	<1	<1	1	<1
	Ba	1	mg/L	LQC-100.0	<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L		<1	<1	<1	<1

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220451
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-04
 Project:
 COC #: 756679

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238721 Analysis Date 2012-09-20 Method C SM2540B			
Moisture			80-120
Run No 238811 Analysis Date 2012-09-21 Method C SM2540B			
Moisture			80-120
Run No 238860 Analysis Date 2012-09-24 Method C SM2540B			
Moisture			80-120
Run No 238909 Analysis Date 2012-09-25 Method EPA 200.8			
Ag	<0.01 mg/L	102	89-111
As	<0.1 mg/L	102	81-119
Ba	<1 mg/L	101	91-109
Cd	<0.01 mg/L	105	86-114
Cr	<0.1 mg/L	98	89-111
Pb	<0.1 mg/L	104	89-111
Se	<0.1 mg/L	107	77-123
U	<0.1 mg/L	101	87-113

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QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238928 Analysis Date 2012-09-25 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 238968 Analysis Date 2012-09-26 Method EPA 200.8			
Ag	<0.01 mg/L	98	89-111
As	<0.1 mg/L	100	81-119
B	<1 mg/L	92	81-119
Ba	<1 mg/L	101	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	99	89-111
Pb	<0.1 mg/L	97	89-111
Se	<0.1 mg/L	99	77-123
U	<0.1 mg/L	97	87-113
Zn	<1 mg/L	94	89-111
Run No 239002 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239150 Analysis Date 2012-09-27 Method EPA 200.8			
Ag	<0.01 mg/L	103	89-111

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Project:
COC #: 756679

QC Summary

Analyte	Blank	QC % Rec	QC Limits
As	<0.1 mg/L	103	81-119
B	<1 mg/L	88	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	104	86-114
Cr	<0.005 mg/L	94	92-108
Pb	<0.1 mg/L	102	89-111
Se	<0.1 mg/L	102	77-123
U	<0.1 mg/L	102	87-113
Zn	<1 mg/L	100	89-111

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120 Adelaide Street West, Suite 1016
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Report Number: 1220466
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756684

Page 1 of 5

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

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Report Number: 1220466
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985953 REG 347 LCH 2012-08-30 Comp 25	985954 REG 347 LCH 2012-08-30 Comp 26	985955 REG 347 LCH 2012-08-30 Comp 27	985956 REG 347 LCH 2012-08-30 Comp 28
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			16.0	18.5	17.3	29.6
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		2	<1	1	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			6	2	<1	5
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985957 REG 347 LCH 2012-08-30 Comp 29	985958 REG 347 LCH 2012-08-30 Comp 30	985959 REG 347 LCH 2012-08-30 Comp 31	985960 REG 347 LCH 2012-08-30 Comp 32
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			21.1	32.1	5.3	21.1
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	<1	<1	1
	Ba	1	mg/L	LQC-100.0		1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01		<0.01

Guideline = REG 558

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					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985957 REG 347 LCH 2012-08-30 Comp 29	985958 REG 347 LCH 2012-08-30 Comp 30	985959 REG 347 LCH 2012-08-30 Comp 31	985960 REG 347 LCH 2012-08-30 Comp 32
Group	Analyte	MRL	Units	Guideline					
Metals	Cd	0.1	mg/L	LQC-0.5				<0.1	
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			1	8	19	1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985961 REG 347 LCH 2012-08-30 Comp 33	985962 REG 347 LCH 2012-08-30 Comp 34	985963 REG 347 LCH 2012-08-30 Comp 35	985964 REG 347 LCH 2012-08-30 Comp 36
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			20.1	21.7	13.0	17.6
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		2	<1	<1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	2	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	
		0.1	mg/L	LQC-0.5					<0.1
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			2	<1	<1	<1

Guideline = REG 558

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Methods references and/or additional QA/QC information available on request.

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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220466
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238811 Analysis Date 2012-09-21 Method C SM2540B			
Moisture			80-120
Run No 238860 Analysis Date 2012-09-24 Method C SM2540B			
Moisture			80-120
Run No 238928 Analysis Date 2012-09-25 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239002 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239048 Analysis Date 2012-09-26 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	104	81-119
B	<1 mg/L	98	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	104	86-114
Cr	<0.1 mg/L	104	89-111

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 Date Reported: 2012-10-03
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Pb	<0.1 mg/L	101	89-111
Se	<0.1 mg/L	101	77-123
U	<0.1 mg/L	102	87-113
Zn	<1 mg/L	102	89-111
Run No 239150 Analysis Date 2012-09-27 Method EPA 200.8			
Ba	<1 mg/L	106	91-109
Cd	<0.1 mg/L	104	86-114
Run No 239196 Analysis Date 2012-09-28 Method EPA 200.8			
Cd	<0.1 mg/L	101	86-114

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120 Adelaide Street West, Suite 1016
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M5H 1T1
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Report Number: 1220467
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756684

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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.

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 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
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Report Number: 1220467
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985965 REG 347 LCH 2012-08-30 Comp 37	985966 REG 347 LCH 2012-08-30 Comp 38	985967 REG 347 LCH 2012-08-30 Comp 39	985968 REG 347 LCH 2012-08-30 Comp 40
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			24.1	21.8	25.3	23.9
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	1	2	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985969 REG 347 LCH 2012-08-30 Comp 41	985970 REG 347 LCH 2012-08-30 Comp 42	985971 REG 347 LCH 2012-08-30 Comp 43	985972 REG 347 LCH 2012-08-30 Comp 44
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			22.9	32.2	18.6	26.9
Mercury	Hg	0.0001	mg/L	LQC-0.1				<0.0001	<0.0001
		0.001	mg/L	LQC-0.1		<0.001	<0.001		
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	2	1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1

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Report Number: 1220467
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					985969	985970	985971	985972	
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	
					Comp 41	Comp 42	Comp 43	Comp 44	
Metals	Cd	0.01	mg/L	LQC-0.5	<0.01		<0.01	<0.01	
		0.1	mg/L	LQC-0.5		<0.1			
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0	<0.1	17.5*		<0.1	
		1	mg/L	LQC-5.0			<1		
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	
	Zn	1	mg/L		<1	8	6	<1	
Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					985973	985974	985975	985976	
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	
					Comp 45	Comp 46	Comp 47	Comp 48	
General Chemistry	Moisture	0.1	%		21.5	51.6	50.6	49.0	
Mercury	Hg	0.0001	mg/L	LQC-0.1	<0.0001	<0.0001	<0.0001	<0.0001	
Metals	Ag	0.01	mg/L	LQC-5	<0.01	<0.01	<0.01	<0.01	
	As	0.1	mg/L	LQC-2.5	<0.1	<0.1	<0.1	<0.1	
	B	1	mg/L	LQC-500.0	2	1	2	2	
	Ba	1	mg/L	LQC-100.0	1	2	<1	<1	
	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01	
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0	62.7*	<0.1	<0.1	<0.1	
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	

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 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985973 REG 347 LCH 2012-08-30 Comp 45	985974 REG 347 LCH 2012-08-30 Comp 46	985975 REG 347 LCH 2012-08-30 Comp 47	985976 REG 347 LCH 2012-08-30 Comp 48
Group	Analyte	MRL	Units	Guideline					
Metals	Zn	1	mg/L			95	5	<1	<1

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Report Number: 1220467
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238860 Analysis Date 2012-09-24 Method C SM2540B			
Moisture			80-120
Run No 239002 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239048 Analysis Date 2012-09-26 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	104	81-119
B	<1 mg/L	98	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	104	86-114
Cr	<0.1 mg/L	104	89-111
Pb	<0.1 mg/L	101	89-111
Se	<0.1 mg/L	101	77-123
U	<0.1 mg/L	102	87-113
Zn	<1 mg/L	102	89-111

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Report Number: 1220467
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239150 Analysis Date 2012-09-27 Method EPA 200.8			
Pb	<0.1 mg/L	102	89-111
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			
Pb	<1 mg/L	105	89-111
Run No 239372 Analysis Date 2012-10-02 Method EPA 200.8			
Cd	<0.1 mg/L	101	86-114
Pb	<0.1 mg/L	102	89-111
Zn	<1 mg/L	102	89-111

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120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220468
Date Submitted: 2012-09-19
Date Reported: 2012-10-01
Project:
COC #: 756684

Page 1 of 6

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
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

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Exova (Mississauga) is accredited for specific parameters by:

SCC, Standards Council of Canada (to ISO 17025)

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 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
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 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985977 REG 347 LCH 2012-08-30 Comp 49	985978 REG 347 LCH 2012-08-30 Comp 50	985979 REG 347 LCH 2012-08-30 Comp 51	985980 REG 347 LCH 2012-08-30 Comp 52
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			41.8	41.7	53.3	58.4
Mercury	Hg	0.0001	mg/L	LQC-0.1		<0.0001	<0.0001	<0.0001	<0.0001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	1	2	1
	Ba	1	mg/L	LQC-100.0		2	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		0.35	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0			<0.1	<0.1	<0.1
		1	mg/L	LQC-5.0		<1			
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985981 REG 347 LCH 2012-08-30 Comp 53	985982 REG 347 LCH 2012-08-30 Comp 54	985983 REG 347 LCH 2012-08-30 Comp 55	985984 REG 347 LCH 2012-08-30 Comp 56
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			33.1	45.2	59.8	56.9
Mercury	Hg	0.0001	mg/L	LQC-0.1		<0.0001	<0.0001	<0.0001	
		0.001	mg/L	LQC-0.1					<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		4	1	1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1

Guideline = REG 558

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					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985981 REG 347 LCH 2012-08-30 Comp 53	985982 REG 347 LCH 2012-08-30 Comp 54	985983 REG 347 LCH 2012-08-30 Comp 55	985984 REG 347 LCH 2012-08-30 Comp 56
Group	Analyte	MRL	Units	Guideline					
Metals	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985985 REG 347 LCH 2012-08-30 Comp 57	985986 REG 347 LCH 2012-08-30 Comp 58	985987 REG 347 LCH 2012-08-30 Comp 59	985988 REG 347 LCH 2012-08-30 Comp 60
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			46.8	35.0	35.8	30.9
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	2	5	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1

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Report Number: 1220468
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					985989 REG 347 LCH 2012-08-30 Comp 61
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Moisture	0.1	%		35.9
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1
	B	1	mg/L	LQC-500.0	1
	Ba	1	mg/L	LQC-100.0	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1

Guideline = REG 558

*** = Guideline Exceedence**

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220468
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238860 Analysis Date 2012-09-24 Method C SM2540B			
Moisture			80-120
Run No 238929 Analysis Date 2012-09-25 Method C SM2540B			
Moisture			80-120
Run No 239002 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239070 Analysis Date 2012-09-27 Method M SM3112B-3500B			
Hg	<0.001 mg/L	95	70-130
Run No 239150 Analysis Date 2012-09-28 Method EPA 200.8			
Ag	<0.01 mg/L	103	89-111
As	<0.1 mg/L	103	81-119
B	<1 mg/L	88	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	104	86-114
Cr	<0.1 mg/L	103	89-111

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 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220468
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Pb	<0.1 mg/L	102	89-111
Se	<0.1 mg/L	102	77-123
U	<0.1 mg/L	102	87-113
Run No 239196 Analysis Date 2012-09-28 Method EPA 200.8			
B	<1 mg/L	89	81-119
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			
Cd	<0.01 mg/L	106	86-114
Pb	<1 mg/L	105	89-111

Guideline = REG 558*** = Guideline Exceedence**

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Attention: Mr. Jim Millard
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Report Number: 1220468
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756684

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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.

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 120 Adelaide Street West, Suite 1016
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 Attention: Mr. Jim Millard
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Report Number: 1220468
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985977 REG 347 LCH 2012-08-30 Comp 49	985978 REG 347 LCH 2012-08-30 Comp 50	985979 REG 347 LCH 2012-08-30 Comp 51	985980 REG 347 LCH 2012-08-30 Comp 52
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			41.8	41.7	53.3	58.4
Mercury	Hg	0.0001	mg/L	LQC-0.1		<0.0001	<0.0001	<0.0001	<0.0001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	1	2	1
	Ba	1	mg/L	LQC-100.0		2	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		0.35	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0			<0.1	<0.1	<0.1
		1	mg/L	LQC-5.0		<1			
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			4	12	2	<1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985981 REG 347 LCH 2012-08-30 Comp 53	985982 REG 347 LCH 2012-08-30 Comp 54	985983 REG 347 LCH 2012-08-30 Comp 55	985984 REG 347 LCH 2012-08-30 Comp 56
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			33.1	45.2	59.8	56.9
Mercury	Hg	0.0001	mg/L	LQC-0.1		<0.0001	<0.0001	<0.0001	
		0.001	mg/L	LQC-0.1					<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		4	1	1	<1

Guideline = REG 558

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Report Number: 1220468
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 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985981 REG 347 LCH 2012-08-30 Comp 53	985982 REG 347 LCH 2012-08-30 Comp 54	985983 REG 347 LCH 2012-08-30 Comp 55	985984 REG 347 LCH 2012-08-30 Comp 56
Group	Analyte	MRL	Units	Guideline					
Metals	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			5	<1	5	66
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985985 REG 347 LCH 2012-08-30 Comp 57	985986 REG 347 LCH 2012-08-30 Comp 58	985987 REG 347 LCH 2012-08-30 Comp 59	985988 REG 347 LCH 2012-08-30 Comp 60
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			46.8	35.0	35.8	30.9
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	2	5	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			27	4	2	<1

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 Project:
 COC #: 756684

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					985989 REG 347 LCH 2012-08-30 Comp 61
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Moisture	0.1	%		35.9
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1
	B	1	mg/L	LQC-500.0	1
	Ba	1	mg/L	LQC-100.0	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1
	Zn	1	mg/L		<1

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 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238860 Analysis Date 2012-09-24 Method C SM2540B			
Moisture			80-120
Run No 238929 Analysis Date 2012-09-25 Method C SM2540B			
Moisture			80-120
Run No 239002 Analysis Date 2012-09-26 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 239070 Analysis Date 2012-09-27 Method M SM3112B-3500B			
Hg	<0.001 mg/L	95	70-130
Run No 239150 Analysis Date 2012-09-28 Method EPA 200.8			
Ag	<0.01 mg/L	103	89-111
As	<0.1 mg/L	103	81-119
B	<1 mg/L	88	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	104	86-114
Cr	<0.1 mg/L	103	89-111

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Report Number: 1220468
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 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Pb	<0.1 mg/L	102	89-111
Se	<0.1 mg/L	102	77-123
U	<0.1 mg/L	102	87-113
Zn	<1 mg/L	100	89-111
Run No 239196 Analysis Date 2012-09-28 Method EPA 200.8			
B	<1 mg/L	89	81-119
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			
Cd	<0.01 mg/L	106	86-114
Pb	<1 mg/L	105	89-111

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Report Number: 1220470
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

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SCC, Standards Council of Canada (to ISO 17025)

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Report Number: 1220470
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985991 REG 347 LCH 2012-08-30 Comp 62	985992 REG 347 LCH 2012-08-30 Comp 63	985993 REG 347 LCH 2012-08-30 Comp 64
Group	Analyte	MRL	Units	Guideline				
General Chemistry	Moisture	0.1	%			28.6	24.7	20.4
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	3	2
	Ba	1	mg/L	LQC-100.0		<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5			<0.01	<0.01
		0.1	mg/L	LQC-0.5		<0.1		
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1
	Zn	1	mg/L			4	<1	<1

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985994 REG 347 LCH 2012-08-30 Comp 65	985995 REG 347 LCH 2012-08-30 Comp 66	985996 REG 347 LCH 2012-08-30 Comp 67	985997 REG 347 LCH 2012-08-30 Comp 68
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			44.8	58.3	40.9	13.8
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	2	2	2
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1

Guideline = REG 558

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 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985994 REG 347 LCH 2012-08-30 Comp 65	985995 REG 347 LCH 2012-08-30 Comp 66	985996 REG 347 LCH 2012-08-30 Comp 67	985997 REG 347 LCH 2012-08-30 Comp 68
Group	Analyte	MRL	Units	Guideline					
Metals	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	<1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	985998 REG 347 LCH 2012-08-30 Comp 69	985999 REG 347 LCH 2012-08-30 Comp 70	986000 REG 347 LCH 2012-08-30 Comp 71	986001 REG 347 LCH 2012-08-30 Comp 72
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			28.6	23.3	32.9	18.2
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		2	2	<1	2
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5			<0.01	<0.01	<0.01
		0.1	mg/L	LQC-0.5		<0.1			
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	1	7

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Report Number: 1220470
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					986002 REG 347 LCH 2012-08-30 Comp 73
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Moisture	0.1	%		25.6
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1
	B	1	mg/L	LQC-500.0	2
	Ba	1	mg/L	LQC-100.0	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1
	Zn	1	mg/L		1

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Report Number: 1220470
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238929 Analysis Date 2012-09-25 Method C SM2540B			
Moisture			80-120
Run No 239070 Analysis Date 2012-09-27 Method M SM3112B-3500B			
Hg	<0.001 mg/L	95	70-130
Run No 239150 Analysis Date 2012-09-28 Method EPA 200.8			
Ag	<0.01 mg/L	103	89-111
As	<0.1 mg/L	103	81-119
B	<1 mg/L	88	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.1 mg/L	104	86-114
Cr	<0.1 mg/L	103	89-111
Pb	<0.1 mg/L	102	89-111
Se	<0.1 mg/L	102	77-123
U	<0.1 mg/L	102	87-113
Zn	<1 mg/L	100	89-111

Guideline = REG 558

* = Guideline Exceedence

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Methods references and/or additional QA/QC information available on request.

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.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220470
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

Guideline = REG 558

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Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220471
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220471
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986003 REG 347 LCH 2012-08-30 Comp 74	986004 REG 347 LCH 2012-08-30 Comp 75	986005 REG 347 LCH 2012-08-30 Comp 76	
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			44.5	41.5	27.1	
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	
	B	1	mg/L	LQC-500.0		1	1	2	
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	
	Zn	1	mg/L			<1	<1	3	
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986006 REG 347 LCH 2012-08-30 Comp 77	986007 REG 347 LCH 2012-08-30 Comp 78	986008 REG 347 LCH 2012-08-30 Comp 79	986009 REG 347 LCH 2012-08-30 Comp 80
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			47.3	66.8	57.8	51.8
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	2	2	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220471
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986006 REG 347 LCH 2012-08-30 Comp 77	986007 REG 347 LCH 2012-08-30 Comp 78	986008 REG 347 LCH 2012-08-30 Comp 79	986009 REG 347 LCH 2012-08-30 Comp 80
Group	Analyte	MRL	Units	Guideline					
Metals	Cd	0.1	mg/L	LQC-0.5					<0.1
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986010 REG 347 LCH 2012-08-30 Comp 81	986011 REG 347 LCH 2012-08-30 Comp 82	986012 REG 347 LCH 2012-08-30 Comp 83	986013 REG 347 LCH 2012-08-30 Comp 84
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			51.7	50.7	74.1	51.0
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	1	<1	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	2	<1

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220471
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					986014 REG 347 LCH 2012-08-30 Comp 85
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Moisture	0.1	%		70.0
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1
	B	1	mg/L	LQC-500.0	2
	Ba	1	mg/L	LQC-100.0	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1
	Zn	1	mg/L		1

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Report Number: 1220471
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238929 Analysis Date 2012-09-25 Method C SM2540B			
Moisture			80-120
Run No 238972 Analysis Date 2012-09-26 Method C SM2540B			
Moisture			80-120
Run No 239070 Analysis Date 2012-09-27 Method M SM3112B-3500B			
Hg	<0.001 mg/L	95	70-130
Run No 239186 Analysis Date 2012-09-28 Method M SM3112B-3500B			
Hg	<0.001 mg/L	96	70-130
Run No 239196 Analysis Date 2012-09-28 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	102	81-119
B	<1 mg/L	89	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	102	89-111

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Report Number: 1220471
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Pb	<0.1 mg/L	98	89-111
Se	<0.1 mg/L	98	77-123
U	<0.1 mg/L	101	87-113
Zn	<1 mg/L	105	89-111

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Report Number: 1220472
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

Page 1 of 6

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

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Report Number: 1220472
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					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986015 REG 347 LCH 2012-08-30 Comp 86	986016 REG 347 LCH 2012-08-30 Comp 87	986017 REG 347 LCH 2012-08-30 Comp 88	
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			19.9	47.0	24.2	
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	
	B	1	mg/L	LQC-500.0		<1	<1	2	
	Ba	1	mg/L	LQC-100.0		3	<1	<1	
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	
	Zn	1	mg/L			1	<1	<1	
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986018 REG 347 LCH 2012-08-30 Comp 89	986019 REG 347 LCH 2012-08-30 Comp 90	986020 REG 347 LCH 2012-08-30 Comp 91	986021 REG 347 LCH 2012-08-30 Comp 92
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			68.3	35.4	39.7	27.4
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		1	<1	<1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
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 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220472
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986018 REG 347 LCH 2012-08-30 Comp 89	986019 REG 347 LCH 2012-08-30 Comp 90	986020 REG 347 LCH 2012-08-30 Comp 91	986021 REG 347 LCH 2012-08-30 Comp 92
Group	Analyte	MRL	Units	Guideline					
Metals	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	2	<1	10
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986022 REG 347 LCH 2012-08-30 Comp 93	986023 REG 347 LCH 2012-08-30 Comp 94	986024 REG 347 LCH 2012-08-30 Comp 95	986025 REG 347 LCH 2012-08-30 Comp 96
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			13.8	14.7	29.6	55.9
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	<1	<1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	8.1*
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			<1	<1	<1	1

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Report Number: 1220472
 Date Submitted: 2012-09-19
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					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					986026 REG 347 LCH 2012-08-30 Comp 97
Group	Analyte	MRL	Units	Guideline	
General Chemistry	Moisture	0.1	%		35.9
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1
	B	1	mg/L	LQC-500.0	<1
	Ba	1	mg/L	LQC-100.0	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	1	mg/L	LQC-5.0	<1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1
	Zn	1	mg/L		<1

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Report Number: 1220472
 Date Submitted: 2012-09-19
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 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 238972 Analysis Date 2012-09-26 Method C SM2540B			
Moisture			80-120
Run No 239056 Analysis Date 2012-09-27 Method C SM2540B			
Moisture			80-120
Run No 239186 Analysis Date 2012-09-28 Method M SM3112B-3500B			
Hg	<0.001 mg/L	96	70-130
Run No 239196 Analysis Date 2012-09-28 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	102	81-119
B	<1 mg/L	89	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	102	89-111
Pb	<0.1 mg/L	98	89-111
Se	<0.1 mg/L	98	77-123

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Report Number: 1220472
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
U	<0.1 mg/L	101	87-113
Zn	<1 mg/L	105	89-111
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			
Ba	<1 mg/L	101	91-109
Se	<0.1 mg/L	112	77-123
Run No 239372 Analysis Date 2012-10-02 Method EPA 200.8			
Pb	<1 mg/L	102	89-111
Zn	<1 mg/L	102	89-111

Guideline = REG 558*** = Guideline Exceedence**

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Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220473
Date Submitted: 2012-09-19
Date Reported: 2012-10-01
Project:
COC #: 756685

Page 1 of 6

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
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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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Report Number: 1220473
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986027 REG 347 LCH 2012-08-30 Comp 98	986028 REG 347 LCH 2012-08-30 Comp 99	986029 REG 347 LCH 2012-08-30 Comp 100	986030 REG 347 LCH 2012-08-30 Comp 101
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			34.2	66.8	57.6	42.6
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	<1	1	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	1	mg/L	LQC-5.0		<1	<1	<1	<1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986031 REG 347 LCH 2012-08-30 Comp 102	986032 REG 347 LCH 2012-08-30 Comp 103	986033 REG 347 LCH 2012-08-30 Comp 104	986034 REG 347 LCH 2012-08-30 Comp 105
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			52.5	49.8	54.5	25.1
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	1	<1	<1
	Ba	1	mg/L	LQC-100.0		1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1

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 COC #: 756685

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					986031	986032	986033	986034	
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	
					Comp 102	Comp 103	Comp 104	Comp 105	
Metals	Pb	0.1	mg/L	LQC-5.0					<0.1
		1	mg/L	LQC-5.0	<1	<1	<1		
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	
Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					986035	986036	986037	986038	
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	
					Comp 106	Comp 107	Comp 108	Comp 109	
General Chemistry	Moisture	0.1	%		41.6	56.1	65.7	50.1	
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001	<0.001	
Metals	Ag	0.01	mg/L	LQC-5	<0.01	<0.01	<0.01	<0.01	
	As	0.1	mg/L	LQC-2.5	<0.1	<0.1	<0.1	<0.1	
	B	1	mg/L	LQC-500.0	1	2	1	<1	
	Ba	1	mg/L	LQC-100.0	<1	<1	<1	<1	
	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01	
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	

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 Date Reported: 2012-10-01
 Project:
 COC #: 756685

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					986039	986040	986041	986042	
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	
					Comp 110	Comp 111	Comp 112	Comp 113	
General Chemistry	Moisture	0.1	%		51.3	46.4	15.5	31.8	
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001	<0.001	
Metals	Ag	0.01	mg/L	LQC-5	<0.01	<0.01	<0.01	<0.01	
	As	0.1	mg/L	LQC-2.5	<0.1	<0.1	<0.1	<0.1	
	B	1	mg/L	LQC-500.0	<1	2	<1	<1	
	Ba	1	mg/L	LQC-100.0	<1	<1	<1	<1	
	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01	
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Pb	0.1	mg/L	LQC-5.0			<0.1	<0.1	
		1	mg/L	LQC-5.0	<1	<1			
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	

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Report Number: 1220473
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-01
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239056 Analysis Date 2012-09-27 Method C SM2540B			
Moisture			80-120
Run No 239186 Analysis Date 2012-09-28 Method M SM3112B-3500B			
Hg	<0.001 mg/L	96	70-130
Run No 239196 Analysis Date 2012-09-29 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	102	81-119
B	<1 mg/L	89	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	102	89-111
Pb	<1 mg/L	98	89-111
Se	<0.1 mg/L	98	77-123
U	<0.1 mg/L	101	87-113
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			

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 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Ag	<0.01 mg/L	109	89-111
As	<0.1 mg/L	104	81-119
B	<1 mg/L	96	81-119
Ba	<1 mg/L	101	91-109
Cd	<0.01 mg/L	106	86-114
Cr	<0.1 mg/L	100	89-111
Pb	<0.1 mg/L	105	89-111
Se	<0.1 mg/L	112	77-123
U	<0.1 mg/L	106	87-113

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Report Number: 1220473
Date Submitted: 2012-09-19
Date Reported: 2012-10-03
Project:
COC #: 756685

Page 1 of 7

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:

Revised Report - Zn has been added as per clients request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

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					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986027 REG 347 LCH 2012-08-30 Comp 98	986028 REG 347 LCH 2012-08-30 Comp 99	986029 REG 347 LCH 2012-08-30 Comp 100
Group	Analyte	MRL	Units	Guideline				
General Chemistry	Moisture	0.1	%			34.2	66.8	57.6
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	<1	1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1
	Pb	1	mg/L	LQC-5.0		<1	<1	<1
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1
	Zn	1	mg/L			3	<1	<1

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986030 REG 347 LCH 2012-08-30 Comp 101	986031 REG 347 LCH 2012-08-30 Comp 102	986032 REG 347 LCH 2012-08-30 Comp 103	986033 REG 347 LCH 2012-08-30 Comp 104
Group	Analyte	MRL	Units	Guideline					
General Chemistry	Moisture	0.1	%			42.6	52.5	49.8	54.5
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	<1	1	<1
	Ba	1	mg/L	LQC-100.0		<1	1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01

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Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					986030	986031	986032	986033	986033
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	2012-08-30
					Comp 101	Comp 102	Comp 103	Comp 104	Comp 104
Metals	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	<0.1
	Pb	1	mg/L	LQC-5.0	<1	<1	<1	<1	<1
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L		3	<1	21	5	5
Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					986034	986035	986036	986037	986037
					REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH
					2012-08-30	2012-08-30	2012-08-30	2012-08-30	2012-08-30
					Comp 105	Comp 106	Comp 107	Comp 108	Comp 108
General Chemistry	Moisture	0.1	%		25.1	41.6	56.1	65.7	65.7
Mercury	Hg	0.001	mg/L	LQC-0.1	<0.001	<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5	<0.01	<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5	<0.1	<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0	<1	1	2	1	1
	Ba	1	mg/L	LQC-100.0	<1	<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5	<0.01	<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1	<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1	<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L		3	<1	<1	<1	<1

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Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986038 REG 347 LCH 2012-08-30 Comp 109	986039 REG 347 LCH 2012-08-30 Comp 110	986040 REG 347 LCH 2012-08-30 Comp 111	986041 REG 347 LCH 2012-08-30 Comp 112
General Chemistry	Moisture	0.1	%			50.1	51.3	46.4	15.5
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001	<0.001	<0.001	<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01	<0.01	<0.01	<0.01
	As	0.1	mg/L	LQC-2.5		<0.1	<0.1	<0.1	<0.1
	B	1	mg/L	LQC-500.0		<1	<1	2	<1
	Ba	1	mg/L	LQC-100.0		<1	<1	<1	<1
	Cd	0.01	mg/L	LQC-0.5		<0.01	<0.01	<0.01	<0.01
	Cr	0.1	mg/L	LQC-5.0		<0.1	<0.1	<0.1	<0.1
	Pb	0.1	mg/L	LQC-5.0		<0.1			<0.1
		1	mg/L	LQC-5.0			<1	<1	
	Se	0.1	mg/L	LQC-1.0		<0.1	<0.1	<0.1	<0.1
	U	0.1	mg/L	LQC-10.0		<0.1	<0.1	<0.1	<0.1
	Zn	1	mg/L			1	98	7	<1

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	986042 REG 347 LCH 2012-08-30 Comp 113
General Chemistry	Moisture	0.1	%			31.8
Mercury	Hg	0.001	mg/L	LQC-0.1		<0.001
Metals	Ag	0.01	mg/L	LQC-5		<0.01
	As	0.1	mg/L	LQC-2.5		<0.1
	B	1	mg/L	LQC-500.0		<1
	Ba	1	mg/L	LQC-100.0		<1

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 Project:
 COC #: 756685

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					986042 REG 347 LCH 2012-08-30 Comp 113
Group	Analyte	MRL	Units	Guideline	
Metals	Cd	0.01	mg/L	LQC-0.5	<0.01
	Cr	0.1	mg/L	LQC-5.0	<0.1
	Pb	0.1	mg/L	LQC-5.0	<0.1
	Se	0.1	mg/L	LQC-1.0	<0.1
	U	0.1	mg/L	LQC-10.0	<0.1
	Zn	1	mg/L		6

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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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1220473
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239056 Analysis Date 2012-09-27 Method C SM2540B			
Moisture			80-120
Run No 239186 Analysis Date 2012-09-28 Method M SM3112B-3500B			
Hg	<0.001 mg/L	96	70-130
Run No 239196 Analysis Date 2012-09-29 Method EPA 200.8			
Ag	<0.01 mg/L	101	89-111
As	<0.1 mg/L	102	81-119
B	<1 mg/L	89	81-119
Ba	<1 mg/L	106	91-109
Cd	<0.01 mg/L	99	86-114
Cr	<0.1 mg/L	102	89-111
Pb	<1 mg/L	98	89-111
Se	<0.1 mg/L	98	77-123
U	<0.1 mg/L	101	87-113
Zn	<1 mg/L	105	89-111

Guideline = REG 558

* = Guideline Exceedence

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Client: Baffinland Iron Mines Corporation
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 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
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Report Number: 1220473
 Date Submitted: 2012-09-19
 Date Reported: 2012-10-03
 Project:
 COC #: 756685

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239264 Analysis Date 2012-09-29 Method EPA 200.8			
Ag	<0.01 mg/L	109	89-111
As	<0.1 mg/L	104	81-119
B	<1 mg/L	96	81-119
Ba	<1 mg/L	101	91-109
Cd	<0.01 mg/L	106	86-114
Cr	<0.1 mg/L	100	89-111
Pb	<0.1 mg/L	105	89-111
Se	<0.1 mg/L	112	77-123
U	<0.1 mg/L	106	87-113
Zn	<1 mg/L	102	89-111

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Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1221898
Date Submitted: 2012-10-05
Date Reported: 2012-10-15
Project:
COC #: 757140

Page 1 of 6

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:

Revised: Pb result for sample 989703 has been amended.

APPROVAL: _____

Diana Cameron
Inorganic Laboratory Technician

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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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 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1221898
 Date Submitted: 2012-10-05
 Date Reported: 2012-10-15
 Project:
 COC #: 757140

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					989698	989699	989700	989701	
General Chemistry	Moisture	0.1	%		REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
Mercury	Hg	0.001	mg/L	LQC-0.1	2012-08-30	2012-08-30	2012-08-30	2012-08-30	
Metals	Ag	0.001	mg/L	LQC-5	COMP 42-O29	COMP 42-O32	COMP 42-P26	COMP 42-P30	
	As	0.01	mg/L	LQC-2.5					
		0.1	mg/L	LQC-2.5		<0.1			
	B	0.1	mg/L	LQC-500.0		2.7	1.3	1.4	
		1	mg/L	LQC-500.0	<1				
	Ba	0.1	mg/L	LQC-100.0	<0.1	<0.1	0.1	0.2	
	Cd	0.001	mg/L	LQC-0.5			<0.001	<0.001	
		0.01	mg/L	LQC-0.5		<0.01			
		0.1	mg/L	LQC-0.5	<0.1				
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	<0.1	
	Pb	0.01	mg/L	LQC-5.0		4.05	0.72	0.09	
		0.2	mg/L	LQC-5.0	114*				
	Se	0.01	mg/L	LQC-1.0	<0.01	<0.01	<0.01	<0.01	
	U	0.01	mg/L	LQC-10.0	<0.01	<0.01	<0.01	<0.01	
	Zn	0.1	mg/L			6.1	1.6	0.7	
		2	mg/L		85				

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Client: Baffinland Iron Mines Corporation
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Report Number: 1221898
 Date Submitted: 2012-10-05
 Date Reported: 2012-10-15
 Project:
 COC #: 757140

Group	Analyte	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.			
					989702 REG 347 LCH 2012-08-30 COMP 45-Q1	989703 REG 347 LCH 2012-08-30 COMP 45-Q8	989704 REG 347 LCH 2012-08-30 COMP 45-R3	989705 REG 347 LCH 2012-08-30 COMP 45-R6
General Chemistry	Moisture	0.1	%		33.9	25.3	35.9	39.1
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
	B	0.1	mg/L	LQC-500.0	0.9	1.8	0.5	1.6
	Ba	0.1	mg/L	LQC-100.0	<0.1	2.2	0.2	<0.1
	Cd	0.001	mg/L	LQC-0.5	<0.001		<0.001	<0.001
		0.01	mg/L	LQC-0.5		<0.01		
	Cr	0.1	mg/L	LQC-5.0	<0.1	<0.1	<0.1	
		0.5	mg/L	LQC-5.0				<0.5
	Pb	0.01	mg/L	LQC-5.0	0.19		0.10	0.34
		1	mg/L	LQC-5.0		6*		
	Se	0.01	mg/L	LQC-1.0	<0.01	<0.01	<0.01	<0.01
	U	0.01	mg/L	LQC-10.0	<0.01	<0.01	<0.01	<0.01
	Zn	0.1	mg/L		0.4		4.3	1.4
		10	mg/L			170		

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 Attention: Mr. Jim Millard
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Report Number: 1221898
 Date Submitted: 2012-10-05
 Date Reported: 2012-10-15
 Project:
 COC #: 757140

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					989706	989707	989708	989709	
General Chemistry	Moisture	0.1	%		REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
Mercury	Hg	0.001	mg/L	LQC-0.1	2012-08-30	2012-08-30	2012-08-30	2012-08-30	
Metals	Ag	0.001	mg/L	LQC-5	COMP 96-G31	COMP 96-G32	COMP 96-G33	COMP 96-H32	
		0.01	mg/L	LQC-5		<0.01			
	As	0.01	mg/L	LQC-2.5		<0.01		<0.01	
		0.1	mg/L	LQC-2.5		<0.1			
	B	0.1	mg/L	LQC-500.0	0.6	2.3	0.5	0.5	
	Ba	0.1	mg/L	LQC-100.0	0.4	0.2	0.6	0.2	
	Cd	0.001	mg/L	LQC-0.5	<0.001	<0.001	<0.001		
		0.1	mg/L	LQC-0.5				<0.1	
	Cr	0.1	mg/L	LQC-5.0	<0.1		<0.1	<0.1	
		0.5	mg/L	LQC-5.0		<0.5			
	Pb	0.01	mg/L	LQC-5.0	<0.01	0.16	<0.01	<0.01	
	Se	0.01	mg/L	LQC-1.0	<0.01		<0.01	<0.01	
		0.1	mg/L	LQC-1.0		<0.1			
	U	0.01	mg/L	LQC-10.0	<0.01	<0.01	<0.01	<0.01	
	Zn	0.1	mg/L		0.2	0.8	0.4	8.4	

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
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 M5H 1T1
 Attention: Mr. Jim Millard
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 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1221898
 Date Submitted: 2012-10-05
 Date Reported: 2012-10-15
 Project:
 COC #: 757140

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239680 Analysis Date 2012-10-09 Method C SM2540B			
Moisture			80-120
Run No 239783 Analysis Date 2012-10-10 Method EPA 200.8			
Ag	<0.001 mg/L	103	89-111
As	<0.01 mg/L	100	81-119
B	<0.1 mg/L	88	81-119
Ba	<0.1 mg/L	102	91-109
Cd	<0.1 mg/L	100	86-114
Cr	<0.1 mg/L	104	89-111
Pb	<0.01 mg/L	97	89-111
Se	<0.01 mg/L	96	77-123
U	<0.01 mg/L	96	87-113
Zn	<0.1 mg/L	101	89-111
Run No 239785 Analysis Date 2012-10-11 Method M SM3112B-3500B			
Hg	<0.001 mg/L	96	70-130

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1221898
 Date Submitted: 2012-10-05
 Date Reported: 2012-10-15
 Project:
 COC #: 757140

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 239874 Analysis Date 2012-10-11 Method EPA 200.8			
B	<1 mg/L	93	81-119
Pb	<0.2 mg/L	105	89-111
Zn	<2 mg/L	109	89-111
Run No 239982 Analysis Date 2012-10-12 Method M SM3112B-3500B			
Hg	<0.0001 mg/L	98	70-130
Run No 240016 Analysis Date 2012-10-12 Method EPA 200.8			
Pb	<1 mg/L	103	89-111
Zn	<10 mg/L	101	89-111

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Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1223554
Date Submitted: 2012-10-26
Date Reported: 2012-11-02
Project:
COC #: 756684

Page 1 of 4

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
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:

CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, 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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Client: Baffinland Iron Mines Corporation
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 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1223554
 Date Submitted: 2012-10-26
 Date Reported: 2012-11-02
 Project:
 COC #: 756684

					Lab I.D.	993773	993774	993775	993776	
					Sample Matrix	REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
					Sample Type					
					Sampling Date	2012-09-02	2012-09-02	2012-09-02	2012-09-02	
					Sample I.D.	U12	U7	V11	V13	
Group	Analyte	MRL	Units	Guideline						
General Chemistry	Moisture	0.1	%		47.6	65.1	22.2	44.2		
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		
	B	0.1	mg/L	LQC-500.0	1.6	1.6			1.4	
		1	mg/L	LQC-500.0			<1			
	Ba	0.1	mg/L	LQC-100.0	1.8	0.1	0.8		1.4	
	Cd	0.001	mg/L	LQC-0.5	<0.001	<0.001				
		0.5	mg/L	LQC-0.5			<0.5		<0.5	
	Cr	0.01	mg/L	LQC-5.0	<0.01	0.01	<0.01		0.02	
	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	<0.01	<0.01			
		0.1	mg/L	LQC-1.0					<0.1	
	U	0.01	mg/L	LQC-10.0	<0.01	<0.01	<0.01		<0.01	
	Zn	0.1	mg/L			7.6		9.6		1.4
		1	mg/L				18			

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Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
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Report Number: 1223554
 Date Submitted: 2012-10-26
 Date Reported: 2012-11-02
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 240833 Analysis Date 2012-10-29 Method C SM2540B			
Moisture			80-120
Run No 240899 Analysis Date 2012-10-30 Method C SM2540B			
Moisture			80-120
Run No 240924 Analysis Date 2012-10-30 Method M SM3112B-3500B			
Hg	<0.0001 mg/L	96	70-130
Run No 240982 Analysis Date 2012-10-30 Method EPA 200.8			
Ag	<0.001 mg/L	106	89-111
As	<0.01 mg/L	106	81-119
B	<0.1 mg/L	97	81-119
Ba	<0.1 mg/L	104	91-109
Cd	<0.001 mg/L	102	86-114
Cr	<0.01 mg/L	102	89-111
Pb	<0.01 mg/L	100	89-111
Se	<0.01 mg/L	100	77-123

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Report Number: 1223554
 Date Submitted: 2012-10-26
 Date Reported: 2012-11-02
 Project:
 COC #: 756684

QC Summary

Analyte	Blank	QC % Rec	QC Limits
U	<0.01 mg/L	104	87-113
Zn	<0.1 mg/L	96	89-111
Run No 241026 Analysis Date 2012-10-31 Method M SM3112B-3500B			
Hg	<0.001 mg/L	97	70-130
Run No 241104 Analysis Date 2012-11-01 Method EPA 200.8			
Ag	<0.001 mg/L	101	89-111
As	<0.01 mg/L	98	81-119
B	<0.1 mg/L	93	81-119
Ba	<0.1 mg/L	100	91-109
Cd	<0.5 mg/L	98	86-114
Cr	<0.01 mg/L	97	89-111
Pb	<0.01 mg/L	103	89-111
Se	<0.1 mg/L	88	77-123
U	<0.01 mg/L	90	87-113
Zn	<1 mg/L	93	89-111

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120 Adelaide Street West, Suite 1016
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M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1227199
Date Submitted: 2012-12-15
Date Reported: 2012-12-18
Project:
COC #: 759067

Page 1 of 4

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
Inorganic Laboratory Supervisor

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

Report Number: 1227199
 Date Submitted: 2012-12-15
 Date Reported: 2012-12-18
 Project:
 COC #: 759067

Group	Analyte	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
					1003915	1003916	1003917	1003918	
General Chemistry	Moisture	0.1	%		REG 347 LCH	REG 347 LCH	REG 347 LCH	REG 347 LCH	
Mercury	Hg	0.001	mg/L	LQC-0.1	2012-08-30	2012-08-30	2012-08-30	2012-08-30	
Metals	Ag	0.001	mg/L	LQC-5	MI-A4	MI-B1	MI-B4	MI-C3	
	As	0.01	mg/L	LQC-2.5					
		0.1	mg/L	LQC-2.5		<0.1	<0.1		<0.1
	B	0.1	mg/L	LQC-500.0	1.0	1.5	2.8	2.5	
	Ba	0.1	mg/L	LQC-100.0	<0.1	0.9	<0.1	<0.1	
	Cd	0.001	mg/L	LQC-0.5	<0.001	0.044	<0.001	<0.001	
	Cr	0.05	mg/L	LQC-5.0	<0.05	<0.05			
		0.1	mg/L	LQC-5.0					<0.1
		2	mg/L	LQC-5.0			<2		
	Pb	0.01	mg/L	LQC-5.0	<0.01	0.04	<0.01	<0.01	
	Se	0.01	mg/L	LQC-1.0	<0.01				<0.01
		0.1	mg/L	LQC-1.0		<0.1	<0.1		
	U	0.01	mg/L	LQC-10.0	<0.01	<0.01	<0.01	<0.01	
	Zn	0.1	mg/L		0.3		0.5	0.1	
		1	mg/L			21			

Guideline = REG 558

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Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

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.

Client: Baffinland Iron Mines Corporation
 120 Adelaide Street West, Suite 1016
 Toronto, ON
 M5H 1T1
 Attention: Mr. Jim Millard
 PO#:
 Invoice to: Baffinland Iron Mines Corporation

Report Number: 1227199
 Date Submitted: 2012-12-15
 Date Reported: 2012-12-18
 Project:
 COC #: 759067

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 243809 Analysis Date 2012-12-17 Method C SM2540B			
Moisture			80-120
Run No 243868 Analysis Date 2012-12-18 Method M SM3112B-3500B			
Hg	<0.001 mg/L	100	70-130
Run No 243869 Analysis Date 2012-12-18 Method EPA 200.8			
Ag	<0.001 mg/L	102	89-111
As	<0.01 mg/L	95	81-119
B	<0.1 mg/L	93	81-119
Ba	<0.1 mg/L	102	91-109
Cd	<0.001 mg/L	100	86-114
Cr	<0.05 mg/L	101	89-111
Pb	<0.01 mg/L	96	89-111
Se	<0.01 mg/L	112	77-123
U	<0.01 mg/L	96	87-113
Zn	<0.1 mg/L	97	89-111

Guideline = REG 558

* = Guideline Exceedence

** = Analysis completed at Mississauga, Ontario.

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

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.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
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M5H 1T1
Attention: Mr. Jim Millard
PO#:
Invoice to: Baffinland Iron Mines Corporation

Report Number: 1227199
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Project:
COC #: 759067

Guideline = REG 558

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Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

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.

APPENDIX C

2010 SAMPLING PROGRAM

19-Aug-12

RE: 2010 Incinerator Ash Sampling

Incinerator ash was sampled from random drums early August 2010. A small amount of ash was collected from each of 39 drums. These samples were sent to our external laboratory for analysis. It was decided to have the lab create composite samples and analyze those (see below) Page 2 contains the synopsis of the results, with the external lab results on pages 3 thru 12. The location of the individual drums is outlined on page 13, and photos are located on pages 14 & 15.

2010 Mary River Ash Sampling

Pail #1	
IA-06/07-1	IA-06/07-Comp1
IA-06/07-2	
IA-06/07-3	
IA-06/07-4	IA-06/07-Comp-2
IA-06/07-5	
IA-06/07-6	
IA-2010-1	IA-2010-Comp10
IA-2010-2	
IA-2010-3	
IA-2010-4	IA-2010-Comp11
IA-2010-5	
IA-2010-6	
IA02010-7	

Pail #2	
IA-08/09-1	IA-08/09-Comp3
IA-08/09-2	
IA-08/09-3	
IA-08/09-4	
IA-08/09-5	IA-08/09-Comp4
IA-08/09-6	
IA-08/09-7	
IA-08/09-8	

Pail #3	
IA-08/09-9	IA-08/09-Comp5
IA-08/09-10	
IA-08/09-11	
IA-08/09-12	
IA-08/09-13	IA-08/09-Comp6
IA-08/09-14	
IA-08/09-15	
IA-08/09-16	

Pail #4	
IA-08/09-17	IA-08/09-Comp7
IA-08/09-18	
IA-08/09-19	
IA-08/09-20	
IA-08/09-21	IA-08/09-Comp8
IA-08/09-22	
IA-08/09-23	
IA-08/09-24	IA-08/09-Comp9
IA-08/09-25	
IA-08/09-26	

Mary River Ash Sampling Program 2010

PARAMETER	CONCENTRATION STANDARD (mg/L) As per Schedule IV of ENVIRONMENTAL GUIDELINE FOR Industrial waste discharges	Sample ID									
		IA - 06/07		IA - 08/09				IA - 2010			
		Comp 1	Comp 2	Comp 3	Comp 4	Comp 5	Comp 6	Comp 7	Comp 8	Comp 9	Comp 10
Arsenic	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Barium	100	<1	<1	<1	2	<1	<1	<1	<1	3	<1
Cadmium	0.5	0.3	0.03	0.89	<0.01	0.03	<0.01	0.04	0.14	0.07	0.11
Chromium	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lead	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Mercury	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	500	15	13	48	3	11	144	29	25	8	8

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831901 Client Sample ID: IA - 06/07 - Comp 1

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	15.5	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.30	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	15	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831902 Client Sample ID: IA - 06/07 - Comp 2

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	23.6	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.03	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	13	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831903 Client Sample ID: IA - 08/09 - Comp 3

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	37.8	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.89	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	48	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831904 Client Sample ID: IA - 08/09 - Comp 4

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	28.0	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	2	1	mg/L	
Cadmium	<0.01	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	3	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831905 Client Sample ID: IA - 08/09 - Comp 5

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	35.3	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.03	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	11	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831906 Client Sample ID: IA - 08/09 - Comp 6

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	22.6	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	<0.01	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	144	10	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831907 Client Sample ID: IA - 08/09 - Comp 7

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	28.9	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.04	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	29	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831908 Client Sample ID: IA - 08/09 - Comp 8

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	30.4	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.14	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	25	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1
Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831909 Client Sample ID: IA - 2010 - Comp 9

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	19.4	0.1	%

Metals in TCLP Leachate Extract

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	3	1	mg/L	
Cadmium	0.07	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	0.3	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	8	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor

MRL = Minimum Reporting Limit LQC = Leachate Quality Criteria (REG 558 Schedule 4) FPC = Flash Point Critical temperature
TEQ = Toxic Equivalent

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional OA/OC information available on request.

Client: Baffinland Iron Mines Corporation
120 Adelaide Street West, Suite 1016
Toronto, ON
M5H 1T1

Attention: Mr. Jim Millard

Report Number: 1023503
Date Reported: 2010-10-05
Date Submitted: 2010-09-28
Project:

Matrix Ash

LAB Sample #: 831910 Client Sample ID: IA - 2010 - Comp 10

Analytes on sample as received

<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>
Moisture	16.5	0.1	%

Metals in TCLP Leachate Extract

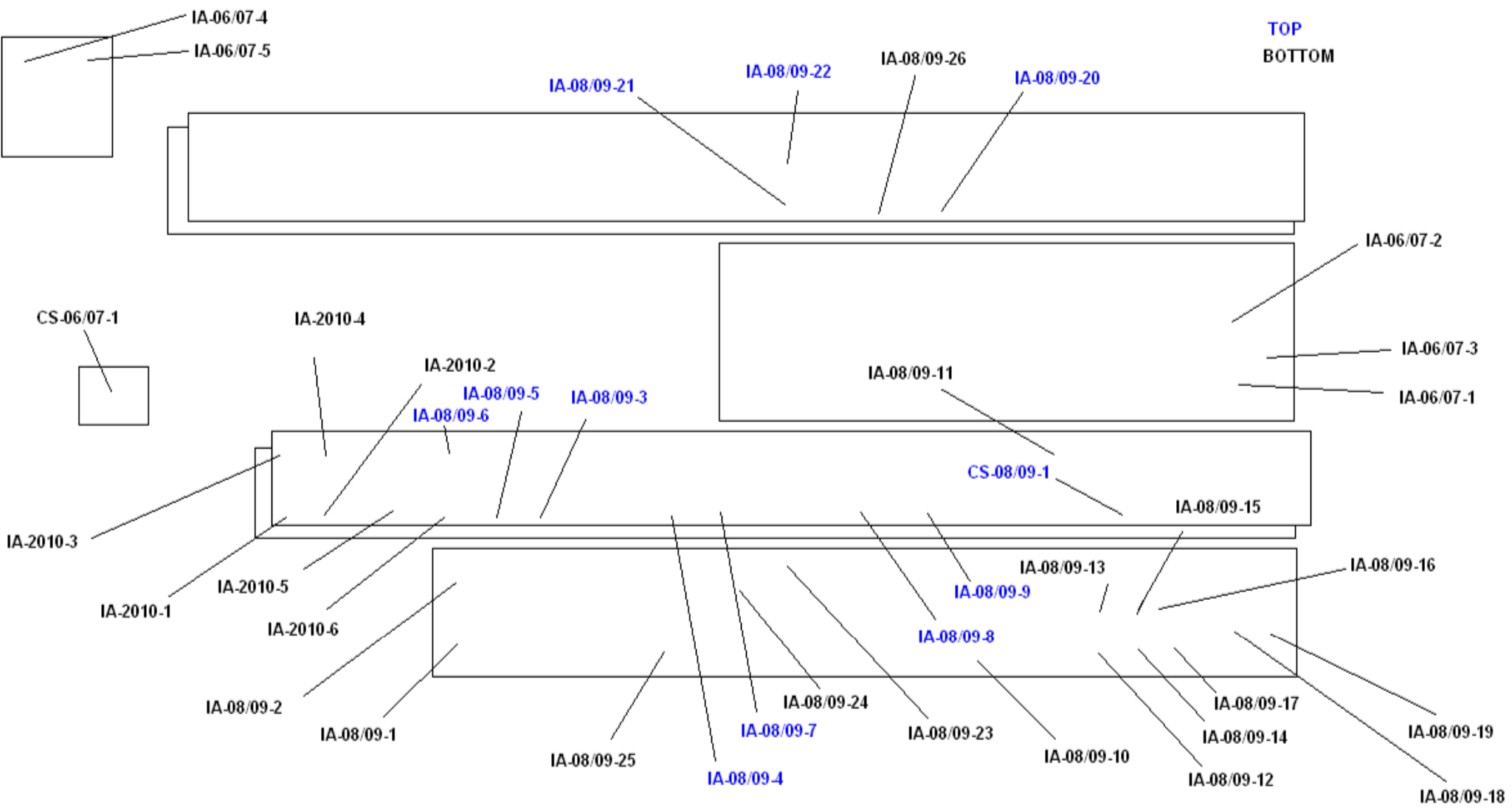
<u>Parameter</u>	<u>Result</u>	<u>MRL</u>	<u>UNIT</u>	<u>LQC</u>
Arsenic	<0.5	0.5	mg/L	
Barium	<1	1	mg/L	
Cadmium	0.11	0.01	mg/L	
Chromium	<0.5	0.5	mg/L	
Lead	<0.1	0.1	mg/L	
Mercury	<0.001	0.001	mg/L	
Selenium	<0.1	0.1	mg/L	
Silver	<0.01	0.01	mg/L	
Zinc	8	1	mg/L	

Sample was extracted as per MOE Regulation 558 TCLP Leachate Extraction Procedure

Sample Comment:

APPROVAL: _____

Ewan McRobbie
Inorganic Laboratory Supervisor





Incinerator Ash Drums (south-west view)



Looking south-east



Close-up looking SE



Looking north west



Close up of barrels IA-2010-3 & 4



Location of IA-08/09-6



Close up of IA-08/09-21



Looking north-west



Close-up of IA-2010-6



IA-2010-6



Looking north-west

APPENDIX D

EBA'S GENERAL CONDITIONS

GENERAL CONDITIONS

GEO-ENVIRONMENTAL REPORT

This report incorporates and is subject to these "General Conditions".

1.0 USE OF REPORT AND OWNERSHIP

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary investigation and assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of EBA's client. EBA does not accept any responsibility for the accuracy of any of the data, the analysis or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than EBA's Client unless otherwise authorized in writing by EBA. Any unauthorized use of the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of EBA. Additional copies of the report, if required, may be obtained upon request.

2.0 ALTERNATE REPORT FORMAT

Where EBA submits both electronic file and hard copy versions of reports, drawings and other project-related documents and deliverables (collectively termed EBA's instruments of professional service), only the signed and/or sealed versions shall be considered final and legally binding. The original signed and/or sealed version archived by EBA shall be deemed to be the original for the Project.

Both electronic file and hard copy versions of EBA's instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except EBA. The Client warrants that EBA's instruments of professional service will be used only and exactly as submitted by EBA.

Electronic files submitted by EBA have been prepared and submitted using specific software and hardware systems. EBA makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

3.0 NOTIFICATION OF AUTHORITIES

In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by EBA in its reasonably exercised discretion.

4.0 INFORMATION PROVIDED TO EBA BY OTHERS

During the performance of the work and the preparation of the report, EBA may rely on information provided by persons other than the Client. While EBA endeavours to verify the accuracy of such information when instructed to do so by the Client, EBA accepts no responsibility for the accuracy or the reliability of such information which may affect the report.

APPENDIX F – UPDATED ENVIRONMENTAL MANAGEMENT PLANS

APPENDIX F.1 – ABANDONMENT AND RECLAMATION PLAN

APPENDIX F.2 – EMERGENCY RESPONSE AND SPILL CONTINGENCY PLAN

APPENDIX F.3 – SURFACE WATER AND AQUATIC ECOSYSTEMS MANAGEMENT PLAN

APPENDIX F.4 – FRESH WATER SUPPLY, SEWAGE, AND WASTEWATER MANAGEMENT PLAN

APPENDIX F.5 – COMPREHENSIVE ENVIRONMENTAL MONITORING PLAN