BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIKIQTANI INUIT ASSOCIATION (QIA) AND NUNAVUT WATER BOARD (NWB) ANNUAL REPORT

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EXECUTIVE SUMMARY

The year 2013 was a regulatory transition year which saw the granting of a new Type "B" Water License (8BC-MRY1314) on May 25, 2013, the receipt of a Type "A" Water License (2AM-MRY1325) on July 23, 2013 and the receipt of the New Commercial Lease No. Q13C301 on September 6, 2013. This report to the Nunavut Water Board (NWB) and Qikiqtani Inuit Association (QIA) has been prepared to summarize the Project Activities and monitoring conducted under the existing Type "B" Water Licence 2BB-MRY1114, the new Type "B" Water Licence 8BC-MRY1314, the Type "A" Water Licence 2AM-MRY1325, as well as to address reporting requirements set forth in the new Commercial Lease No. Q13C301 and the old Commercial lease No.QI0C3001. Concordance tables highlighting where the requirements of Baffinland's Water Licence(s) and Commercial Lease(s) have been met in this report are presented in Appendix A.

Baffinland Iron Mines Corporation's (Baffinland) Water Licence(s) includes a sampling program that involves recording the volume of water extracted for any purpose, testing of any effluents (e.g., treated sewage effluents) discharged to the environment, and monitoring water quality within specific project areas (e.g., surface discharge downstream of construction area, runoff from bulk sample pits, storm water from a engineered containment structure, etc). This information is summarized on the completed NWB Annual Report Form, included as Appendix B, and is described in more detail throughout this report. Based on a review of water licence effluent results reported as part of the water licence monitoring programs, effluent discharged to the receiving environment did not exceed water licence effluent criteria for the Type "B" and Type "A" Water Licences during 2013. In addition, there were no exceedances of the water volume withdrawal limit for camp use under Type "B" Water Licence (2BB-MRY1114) from January 1 to July 22, 2013. A single daily exceedance of the allowable limit for Milne Port under the Type "A" Water Licence (2AM-MRY1325) was reported in October 2013. This exceedance was attributed to high volumes of fresh water required for the commissioning of the new Milne Port potable water treatment plant facility. There were no other exceedances of the allowable daily withdrawal limits for Milne Port, Mary River Mine Site, and Steensby Port, respectively, under the Type "A" Water Licence (2AM-MRY1325) from July 23 to December 31, 2013. During August 2013, a single short term exceedance of total suspended solids was recorded in run-off at monitoring location MP-C-F at Milne Port. This exceedances was attributed to construction activities associated with the development of the new permanent camp pad being developed at this time. Corrective actions were effectively implemented downstream of this location to limit any potential receiving water impacts. There were no other discharge and/or runoff water quality exceedances of water licence quality criteria reported from samples collected during the 2013 open water season.

Key activities associated with the Mary River Project (the Project) in 2013 are summarized as follows:

- The maintenance and continuous improvement of the current site safety program.

- The year-round operation, development and construction of infrastructure required for site capture for the launching of the approved 18 MT Mary River Project at the Mary River Mine Site and Milne Port in accordance with the NWB conditions as authorized and described in the respective licenses.
- The operation of Steensby Port camp during the months of June, July, August, and September to support ongoing environmental baseline studies and exploration programs.
- The operation of the Mary River Mine Site Exploration camp with its associated sewage treatment plant and incinerator in accordance to the terms and conditions of Baffinland's Water Licence(s).
- The undertaking of geology and geophysics programs across Baffinland's claim groups and Exploration Agreement (EA) parcel located northeast, east and southeast of the Steensby Port camp including property and regional scale reconnaissance prospecting, surface sampling, , traverses, property scale mapping, ground gravity and magnetic surveys, and a helicopter traverse program.
- The geophysical modeling of Deposit No. 4, research on the origin of the "ore zone schist" at Deposits No. 1 through 5, and interpretive work on newly defined prospects in the Eqe Bay Fold belt.
- Geotechnical surveys to support Project design requirements along the Tote Road alignment, bridge crossings, prospective quarry sites and borrow areas.
- The continued deposition of non-hazardous wastes into the constructed landfill at the Mary River Mine Site in accordance with the landfill operations and maintenance manual and procedures.
- The treatment and discharge of oily storm water from bladder bulk fuel storage facilities at Milne Port and Mary River Mine Site.
- The receipt of consumables, equipment and material required for the execution of the 2013 Work Plan and execution of the work planned for January to June of 2014 via ten (10) sealift vessels
- The receipt of 34 ML of P-50 diesel fuel and 2.25 ML of Jet-A fuel via two (2) ship-to-shore fuel transfers in August and September to the Milne Port fuel steel tank bulk fuel storage facility.
- The removal of a number of items from the Project site on the Milne Port sealift backhaul, including contractor heavy equipment and waste destined to approved/licensed recycling/disposal facilities in southern Canada.
- The removal of 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility on fuel delivery sealift backhaul for treatment at an approved/ licensed facility in Southern Canada.
- The ongoing decommissioning of the Milne Port site bulk fuel bladder bulk fuel storage facility and removal of bladders from site for off-site disposal at an approved/licensed facility in Southern Canada. The contaminated soil excavated from the former containment structure was stored in an engineering lined containment for future on-site treatment
- The transport of needed fuel and supplies stored at Milne Port to the Mary River Mine Site via the Milne Inlet Tote Road.
- The operation of helicopter and fixed wing aircraft to service the Steensby Port camp, geology and geophysics program and other general site activities; including environmental monitoring, regional exploration and environmental baseline programs.
- The ongoing collection of baseline scientific data in accordance with the Final Environmental Impact Statement (FEIS) and engineering studies that are supporting future engineering design.
- The continued archaeological surveys at project component areas as required.
- The continued upgrades and maintenance of the Milne Inlet Tote Road for the purpose of improving safety and reducing environmental risk as per the approved Project.
- The continued progressive reclamation of areas of current and past use in association with drilling and bulk sample programs.

- The discharge of treated sewage effluent stored in Polishing Waste Stabilization Ponds (PWSPs) at the Mary River Mine Site to Sheardown Lake. Discharge of treated sewage effluent stored in the Polishing Waste Stabilization Pond (PWSP) at the Milne Port Camp into Milne Inlet.
- The receipt of Type "A" Water Licence (2AM-MRY1325) issued on June 10, 2013 for a Mining and Milling undertaking in accordance with the Nunavut Waters Regulations that authorizes Baffinland to use water and deposit waste in relation to the construction, operation, closure and reclamation of an iron-ore mine, proposed under the Mary River Project for which a Project Certificate (Project Certificate N0. 005).
- The receipt of Type "B" Licence (8BC-MRY1314) issued on May 25, 2013 to Baffinland to allow for the construction early works (prior to the receipt of the Type A Water Licence) including an additional 5ML fuel tank within the existing secondary containment, the construction of an additional fuel containment berm, the construction of a second Polishing Waste Stabilization Pond (PWSP), the construction of laydown and camp pad areas at Milne Port and the Mary River Mine Site, and the development of quarries and borrows to provide aggregate for the above projects.
- The receipt of the New Commercial Lease N0.Q13C301 on September 6, 2013 for Inuit Owned Lands
- The operation and extraction of till and rock material at Quarry Q1 located at Milne Port and Quarry QMR2 located at the Mary River Mine Site
- The follow-up monitoring, planning, and routine maintenance of the Tote Road and activities required pursuant to the Fisheries Authorization for the Tote Road No Net Loss and Monitoring Program, QIA lease, and AANDC land permit and quarry permit requirements.
- The development of laydown areas for storage of explosive magazines along Tote Road.
- The construction and commissioning of a second polishing waste stabilization pond (PWSP) at Milne Port for use during commissioning of new sewage treatment plant.
- The construction and commissioning of a second 5ML P-50 diesel fuel steel storage tank within the secondary containment constructed in 2011.
- The construction and commissioning of two (2) x 12 ML (million litre) P-50 diesel fuel steel storage tanks and three (3) x 0.75 ML (million litre) Jet-A steel fuel tanks at Milne Port with associated engineered lined secondary containment structure and fuel dispensing system.
- The construction and commissioning of four (4) x 500,000 L (litre) P-50 diesel steel tanks at the Mary River Mine Site with associated engineered lined secondary containment structure and fuel dispensing system.
- The installation and commissioning of a temporary soft wall camp at Milne Port.
- The installation and commissioning of a permanent camp complex at Milne Port site with sewage treatment plant and incinerator facilities. The installation of a permanent camp complex at the Mary River Mine Site with a sewage treatment, water treatment plant and incinerator facilities.
- The undertaking of performed emission monitoring survey (stack test) stacks at the refuse incinerators located at Milne Port and the Mary River Mine Site on October 1, 2 and 3, 2013 and December 13, 14 and 16, 2013, respectively to confirm compliance with requirements of the Canada Wide Standards (CWS).
- The decommissioned of the existing Milne Port rotating biological contactor (RBC) sewage treatment plant.
- Spill contingency training delivered to Baffinland Emergency Response Team (ERT) members and all site staff through a combination of classroom and tool box meetings as well as field exercises during 2013.

- The reporting of ten (10) spills to the Nunavut Spill Line and other stakeholders in 2013. These spills did not result in any significant impacts to the surrounding land or water.
- The shipment off-site of various waste and hazardous materials generated over the course of the previous two (2) years for disposal in approved/licensed facilities in Southern Canada via sealift. These materials were packaged, stored, and manifested at Milne Port.

An annual review of the management plans developed under the water licence has also been completed. Updates to the Interim Abandonment and Reclamation Plan, the Emergency Response Plan and Spill Contingency Plan which has now been split into two plans and become The Emergency Response Plan and The Spill Contingency Plan, the Freshwater Supply Sewage and Wastewater Management Plan, the Surface Water and Aquatic Ecosystems Management Plan, the Waste Management Plan and the Hazardous Waste Management Plan have been revised. Details of those updates are provided in Section 8 of this report.

In 2013, Baffinland maintained and continued to operate community liaison offices in Iqaluit, Igloolik, Pond Inlet, Clyde River, and Hall Beach. The role of Baffinland's Community Liaison Officers (BCLO's) developed further as a BCLO was present in each of the communities including Arctic Bay, Clyde River, Hall Beach, Igloolik, and Pond Inlet. In Iqaluit, Baffinland's Senior Northern Affairs Manager oversees the Nunavut business office and the network of liaison officers throughout the North Baffin region. In the fourth quarter of 2013 an IIBA Manager was hired for Baffinland, with this position being based out of the Iqaluit office.

Community and government consultation also continued with a very high level of effort in 2013. Meetings were held with the public, local hamlet officials, local Hunters trappers Organizations (HTOs), local QIA representatives, and/or others in the communities of (listed alphabetically): Arctic Bay, Clyde River, Hall Beach, Igloolik and Pond Inlet

The meetings provide an opportunity for Baffinland to communicate any new information that is available, including updating communities on the current work being done by the Company. Various government regulatory agencies visited the operations in Mary River during 2013 (Table 10.1), and numerous meetings with public, government, and Inuit organisations were held in various locations (Table 10.2).

As the Project continues to move forward with the development of the approved 18Mt/a Project and the proposed Early Revenue Phase, permitting efforts and stakeholder engagement will continue to be an important commitment for Baffinland in keeping communities abreast with developing news, scheduling, permitting, licensing, as well involving local people and regulatory agencies in the development of monitoring programs.

The 2014 Work Plan (see Appendix C) was prepared and provided to relevant parties on October 31, 2014 as required under Section 6.1 of the Commercial Lease, No. Q13C301 and under the Type "A" Water Licence (2AMMRY1325), Part J, Item 3. The 2014 Work Plan describes the planned continued development and construction of infrastructure required at Milne Port, the Tote Road, and the Mary River Mine Site for the development of the Mary River Project.

The general scope for the 2014 Work Plan includes:

1) Continued development and construction of infrastructure required for site capture at Milne Port and the Mine Site for launching the 18MT(million tone) approved Project;
2) Ongoing environmental baseline data collection and geophysical investigations in order to sustain the development of the Project; and
3) Continued progressive reclamation of areas of current and past use in association with drilling, bulk sample, and historical exploration programs.

The key regulatory instruments that allow for the 2014 Work Plan activities include: the Project Certificate No. 005, Type A Water Licence (2AM-MRY1325), Type B Water Licence (2BB-MRY1114), QIA Commercial Lease Q13C301, and Class A Crown Land Use Permit, N2007F004, and Quarry Permit, 2013QP0086. Should any additional authorizations, permits, licences land leases etc, be identified as required from the Nunavut Water Board (NWB), the Department of Fisheries and Oceans (DFO), the Qikiktani Inuit Association (QIA), Aboriginal and Northern Affairs Canada (AANDC) and others. Baffinland will proceed under the conditions provided if authorizations were to be granted by the respective agency.

The Project site will continue to achieve compliance with the various regulatory requirements, and maintain community relationships. Environmental monitoring in accordance with the approved environmental management monitoring and mitigation plans will continue in 2014. Archaeological surveys at project component areas will be performed as required.

It should be noted, given that the proposed Early Revenue Phase (ERP) is currently under review, certain activities proposed in the 2014 Work Plan are not authorized to be performed in 2014 until Baffinland's ERP is approved. An Addendum to the Final Environmental Impact Statement was submitted in June 2013 and final hearings took place in Pond Inlet from January 27th-31st, 2014. Baffinland is currently awaiting the Nunavut Impact Review Board's recommendation to the Minister of Aboriginal Affairs and Northern Development. If Baffinland's Early Revenue Phase was to be granted approval by the Nunavut Impact Review Board, additional activities development and construction of infrastructure would be performed in the 2014

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2013 ᖁᑭᖅᑕᓂ ᐃᓄᐃᑦ ᑲᑐᔾᔨᒃᑯᑎᑦ (QIA) ᐊᓚᓗ ᓄᓇᕗᑦ ᐃᒥᑕᓱᔨᖅᑯᑦ ᑲᑎᒪᔨᖏᑦᑕ (NWB) ᐊᖏᖁᒍᒪᑦ ᐅᓂᒃᑲᑕᐊᖏᑦᑕ

ᐊᐅᑕᕐᑎᔨᖅᑯᑦ ᓇᐃᑦᑕᒥᐊᓵᖅᓯᒪᔨᖅᑯᑦ ᐅᓂᒃᑲᑕᐊᖏᑦᑕ

ᐊᖏᖁᒍ 2013 ᒪᑕᒥᐊᖏᖅᖁᓂᕐᑎᑦᑕ ᐋᖁᑭᒥᐊᖏᐹᑕᐅᖏᒪᒍ ᐊᖏᖁᒍ ᑕᐃᓵᒪᓂᓗ ᐱᔨᐅᑎᑕᐅᑦᓗᑎᒃ ᓄᑦᑦ ᐃᒪᐢᓇᐃᑦᑐᑦ “Λ” ᐃᒥᑕᓇᓂᖓᑦ ᐱᑕᓇᐢᓇᐅᐅᑎᑦ (8BC-MRY1314) ᒪᐃ 25, 2013-ᒥ, ᐱᔨᐅᑦᓗᓂ ᐃᒪᐢᓇᐃᑐᖅ “Δ” ᐃᒥᑕᓇᓂᖓᑦ ᐱᑕᓇᐢᓇᐅᐅᑎ (2AM-MRY1325) ᕿᑕᐃ 23, 2013-ᒥ ᐊᓚᓗ ᐱᔨᐅᑦᓗᓂ ᓄᑦᑦ ᖃᓇᐅᔨᑕᐅᕆᔨᐊᖏᓂᖓᑦ ᐊᖏᑕᐹᒪᖏᑎᒋᑎ ᓇᔭᐅᑕ Q13C301 ᔪᑎᐱᓇ 6, 2013-ᒥ. ᑕᐢᓇ ᐅᓂᒃᑲᑕᐊᓇᔨᖅᑯ ᓄᓇᕗᑦ ᐃᒥᑕᓇᓂᖓᑦ ᑲᑎᒪᔨᓄᑦ (NWB) ᐊᓚᓗ ᖁᑭᖅᑕᓂ ᐃᓄᐃᑦ ᑲᑐᔾᔨᒃᑯᑎᐅᑉᑎᓄᑦ (ᖁᑭᖅᑕᓂᓂᒋᑯ) (QIA) ᑎᑎᖁᒃᑕᐅᔪᒪᖃᖅ ᓇᐃᓇᓴᖅᓱᔨᑕᐅᔨᒪᓪᓗᓂ ᐱᓇᓴᖅᑐᓂ ᐊᓚᓗ ᐊᐅᑕᕐᑎᔨᖅᑯᑦ ᐊᐅᑕᕐᑎᔨᖅᑕᐅᓂᖓᓂᓄᑦ ᐱᑕᓇᐢᓇᐅᐅᑎᑦ 2BB-MRY1114, ᓄᑦᑦ ᖁᑭᐃᐃᑦᑐᓂᖓ “Λ” ᐱᑕᓇᐢᓇᐅᐅᑎᑦ 8BC-MRY1341, ᐃᒪᐢᓇᐃᑐᓂᖓ “Δ” ᐃᒥᑕᓇᓂᖓᑦ ᐱᑕᓇᐢᓇᐅᐅᑎ 2AM-MRY1325, ᐱᑕᓇᐊᓇᖁᔨᐅᑎᑦᓗᑕᑦ ᐅᓂᒃᑲᑕᐅᓇᐊᖁᖅᑯᑦ ᐊᖏᕿᑕᐅᔨᒪᓪᓗᓂ ᐊᐅᑕᕐᑎᔨᖅᑯᑦ ᐊᐅᑕᕐᑎᔨᖅᑯᑎ ᓇᔭᐅᑕ Q13C301 ᐊᓚᓗ ᐱᑐᖅᑦ ᐲᓇᐅᔨᑕᐅᑦᓯᐊᕿᑎᑦ ᐊᐅᑕᖁᔨᒪᓪᓗᓂᖓᑎ ᓇᔭᐅᑎᑕᒃ Q10C3001. ᓇᓂᑎᔨᑦ ᑎᑎᖁᖁᔨᔨᑦ ᐅᖁᐅᔨᖁᓇᐊᖏᖅᑐᓂᒃ ᒪᑯᓇᓂ ᐱᑕᖁᓇᐊᖁᖁᑎᓂᒃ ᐊᐅᑕᕐᑎᔨᖅᑯᑦ ᐊᐅᑕᕐᑎᔨᖅᑯᑎᑕᐅᔨᓂ ᐸᕐᑐᓂᖓᑦ ᐃᒥᑕᓇᓂᖓᑦ ᐱᑕᓇᐢᓇᐅᐅᑎᓂ ᐊᐅᑕᕐᑎᔨᖅᑯᑎᑕᐅᔨᓂ ᐊᐅᑕᕐᑎᔨᖅᑯᑎᓂᒃ Q10C3001. ᐊ

ᓴᓇᕐᔪᐊᑎ.ᐃᓚᓗᕐᔪᐊᑕᐅᔾᔪᑎ. ᐊᓯᖏᑐᓂᒃ ᐅᖏᓪᓗᓂᒃᑲᓇᕐᔪᐊᖅᑐᖏᓐᓂᕐᒪᖔᑦ ᐱᖁᐅᔾᓇᖅᑎᑕᐅᔾᔨᒃ ᖃᐅᐅᑕᒪ ᐱᖁᐅᖅᓯᓕᕐᐳᔾᔨᓂᒃ ᑭᓯᑎᑎᑕᐅᔾᔨᓂᒃ ᕿᖏᖓᔪᐊᓂᒃ ᑐᓴᕐᑕᕐᖏᓐᓄᑦ, ᓄᓇᒃ ᐅᓴᕐᓂᐅᔪᕐᓇᖏᓐᓄᑦ, ᐊᒻᒪᓗ ᐃᒃᐱᒋᔪᕐᓇᐊ ᑐᓴᕐᑕᐊᖅᓯᓄᑦ, ᐊᖅᑭᒃᓯᔪᖅᓯᒪᓂᖅᓯᒪᓂᕐᒥᔪᑦ, ᐅᐊᓇᓂ ᖃᓄᐃᔅᑐᑎᖅᓯᒪᓄᑦ “ᐃ”-ᒥ ᐃᒥᑕᓗᓂᕐᒧᑦ ᐱᑕᓗᔪᖅᓇᐅᑎᑎᒥ (2AM-MRY1325) ᑕᐅᖅᖏᓐᑦ ᔫᑕᐃ 23 ᑎᑭᓗᔪ ᑎᓯᐱᓗ 31, 2013. ᐊᑐᖅᑎᓗᔪ ᐊᑦᑎᓯ 2013, ᐊᑕᐅᓯᕐᒥᒃ ᖃᓕᒥ ᐊᑐᔾᓗᓂ ᐅᖏᓪᓚᓄᓗᐊᑐᖅᑐᑐᒥᓂᖅ ᑲᑎᓗᑦᑕᐅᔾᔨᒃ ᐱᔭᕐᓯᒪᓂᖅ ᐊᔾᖅᑕᐅᔾᓯᓪᓚᕐᔪᐊᖅ ᓄᓇᑦᑎᑦᑕᐅᔾᔨᒃ ᖃᐅᔨᓪᓚᓕᔾᔨᓂᖅ ᐃᓕᓴᕐᓂᖅ ᐱᑕᖃᓂᖅᑐᑦ

- ᓄᓇᓕᖅᑎᐊᖅᑐᑎ ᖃᐅᔨᓇᓱᐊᕐᓂᖅ ᐃᑲᔪᕈᑦᔨᒪᓪᓗᓂ ᐋᖅᑭᒃᓱᒪᓕᕐᓂᖅᓯᓄᑦ ᐃᒪᓐᓇᐅᔨᕆᐊᖅᑎᖃᖅᑎᑦᑕᐅᓕᕐᓂᖅᓯᓄᑦ ᐅᓱᖃᑦᑕᕐᕿᐅᑦ ᐊᖅᑯᑎᖅᑎᑦᑕ ᑐᑭᓯᐊᖅᑎᑦᑕᐅᓕᕐᓂᖅᓯᓄᑦ, ᐃᑲᔪᑎᑉ ᐃᑲᖃᕐᖓᓂ, ᐱᒃᖏᐅᑐᐃᓇᓇᕆᔨᖓᓂ ᐊᐃᒃᓱᕈᕐᕿᒃ ᓄᓇᖓᓂ ᐊᒻᒪᓗ ᐱᖓᓱᖃᐅᓇᕐᒃ ᓄᓇ.
- ᑲᔪᓱᑎᑦᑕᐅᔪᖅ ᓱᑐᖃᓐᓂᖅᑎᑦᑕᐅᓗᑎᑉ ᐅᓗᓕᐊᓇᖖᓕᑎᑦᑐᑦ ᐊᓂᑦᑕᐅᔪᑦ ᓴᓇᐅᔨᓕᔪᒍᑦ ᐊᑦᑕᕐᓇᖖᒍᑦ ᓄᓇᑦᓯᓂᖅ ᐅᓴᕋᓂᓂᓂᖅᓯᓄᑦ ᓄᓇᑦᓯᓂᖅᓯᓄᑦ ᐊᒻᒪᓗ ᐊᖅᑭᐅᒪᑎᑎᕐᑎᑦᑕᐅᓂ ᐊᔪᖃᖅᓱᐅᓕᕐᓂ ᐊᒻᒪᓗ ᐱᓕᕐᓚᔪᓂ.
- ᓴᓗᒪᖅᓴᐃᓂᖅᓯᓄᑦ ᐊᒻᒪᓗ ᑯᖕᓱᓂᖅᓯᓄᑦ ᐅᖅᓱᐊᓗᑉᔪᖅᓂᒃ ᓱᓕᓗᓂᑯᑦ ᐃᒪᖓᓂᓂ ᐃᒪᒋᖅᓱᓂᖅᓯᓄᑦ ᐃᓗᐃᑲᑦ ᐅᖅᓴᓂᐊᖅᑐᑦ ᐃᓗᐃᑲᑦ ᓄᓇᑦᓯᓂᖅᓯᓄᑦ ᐃᓗᐃᑲᑦ ᐅᖅᓴᓂᐊᖅᑐ

- ᑯᐃᓴᐅᔪᑦ ᓴᓗᒪᖅᓴᖅᓯᒪᔪᖅ ᑭᓇᖏᓗᓄ ᑯᐃᓐᖏᑦᑕᐊᓂᖏᓐᓄ ᐃᓂᖅᑲᐅᓐᖅ ᓴᓐᔨᓯᒪᔪᓂᒃ ᐊᕐᑕᑯᓂᒃ ᑕᓯᕋᓪᓕᕐᓂᑦ (PWSP) ᓄᑖᖏᓐᓂ ᐅᓴᖅᓂᐊᖅᓇᖏᓐᓂ ᑕᐃᑯᖏᓐᓂᑕᓂᒃ ᑕᓯᓂᖏᓐᓄᑦ. ᑯᐃᓯᓂᖅ ᓴᓗᒪᖅᓴᖅᓯᒪᔪᒥᒃ ᑭᓇᖏᓗᓄ ᑯᐃᓐᖏᑦᑕᐊᔪᖅ ᑐᖅᑯᐊᖅᓴᖅᓯᒪᔪᒥ ᓴᓐᔨᓯᒪᔪᓂᒃ ᐊᕐᑕᑯᓂᒃ ᑕᓯᕋᓪᓕᕐᓂᑦ ᖃᐅᔨᒪᐊᓂ (PWSP) ᑐᓴᒃᑕᖅᓇᖏᓐᓂ ᓄᓇᓕᓂᖏᓐᓄ ᑯᐅᓐᓂᖏᓐᓄ ᐊᑐᓗᒃ ᐃᓕᓴᕐᕕᐊᓂᒃ.
- ᓇᓕᖅᓴᒃ ᖃᓄᐃᑦᑐᐃᓐᓇᑦ “᐀” ᐃᒥᓕᓴᓂᖓᑦ ᐱᓕᓴᔨᓇᐃᓕᐅᑎᑦ (2AM-MRY1325) ᑎᑎᕋᑦᑕᐅᔪᒥᐅᓴᒃ ᔪᑎ 10, 2013-ᒥ ᐅᓴᖅᓂᐊᖅᓂᖓᑦ ᐊᓗᒐᓴ ᓴᐃᕋᓴᓕᓴᓂᖓᑦ ᐱᓕᓴᔪᕈᑕᐅᓪᓚᑐᓄ ᒪᓕᒃᓴᑦ ᓄᓇᕗᑦ ᐃᒥᓕᓴᓂᖓᑦ ᒪᓕᒃᑕᐅᑦᑯᐅᔪᒥ ᐱᓕᓴᔨᓇᖅᓯᒪᓂᕐᔪᕈᑕᐅᓪᓚᑐᓄ ᕿᓘᓐᓇᓇᑎᑦ ᐊᑐᑭᓇᖅᓯᓚᑐᓄ ᐃᒥᓂᒃ ᐊᓗᒐᓴ ᐅᑎᕋᖅᓴᓚᑐᓄ ᐃᑎᑕᐅᔪᒥᒃ ᐃᓗᓚᓕᐅᓂᖓᓕᒫᓂᖓᓂᒃ, ᐊᐅᓚᓪᓕᖅᓯᑦ, ᒪᑐᑎᓚᒍ ᐊᓗᒐᓴ ᐃᓚᓕᓴᓂᖓᑦ ᐅᑎᖅᓯᓚᑐᓄ ᐅᓴᖅᓂᐊᖅᓇᖏᓐᓄ, ᑐᐱᓕᕐᓗᓯᓚᖅ ᒥᑦᑐᐃᓐᓇᑦ ᐃᓚᓕᓴᓂᖓᑦ ᐅᓴᖅᓂᐊᖅᓇᖏᓐᓄ, ᐊᓗᒐᓴ ᐱᓕᓴᔨᓇᖅᓯᓚᑐᓄ ᐃᓚᓕᓴᓂᖓᑦ ᐃᓗᓚᓕᐅᓂᖓᓕᒫᓂᖓᓂᒃ, ᐊᐅᓚᓪᓕᖅᓯᑦ

- ᐊᖏᕆᑕᐅᑎᓗᒋᑦ ᐊᒻᒪᓗ ᐱᓕᕆᐊᖓᔪᓂᕐᐳᓴᖅᑎᑦ ᐃᓕᓴᒪᐃᓐᓇᖅᑐᐊᖏᖅᑐᒃᑯᑦ ᓄᓇᓕᖅ ᑲᑎᒪᔨᖅ ᐃᓗᓐ ᖃᐅᖓᐊᓂ ᑐᓴᕆᔨᖅᑕᐅᓂ ᓴᓇᓕᖓᑦᓯᓐᓂᒃ ᐱᓕᕆᔨᖅᐃᐊᖅᑐᑦ ᐃᓕᓴᒪᐃᓐᓇᖅᑐᑦ ᐱᓕᕆᔨᖅᐃᐊᖅᑐᑦ. ᐊᖏᕆᑕᐅᑎᓗᒍ ᐊᑐᖏᑕᐅᔾᔪᓐᓇᖅᑐᐊᖏᖅᑐᒍᑦ ᓄᓇᓖᑦ ᑲᑎᒪᔨᖅ ᐃᓗᓐᓇᒍ ᐅᔾᔨᖅᑐᐊᖏᖅᓯᒪᓂᖅ ᑭᓇᐅᔭᖅᑐᒃ ᓴᓇᓕᖓᑦᓯᓐᓂᒃ ᐊᑐᖏᖅᑐᒃ, ᐃᒥᖓᑦ ᓴᓇᓕᖓᑦᓯᓐᓂᒃ ᐱᓕᕆᔨᖅᐃᐊᖅᑐᑦ ᐊᒻᒪᓗ ᐃᓕᓴᒪᐃᓐᓇᖅᑐᑦ ᐱᓕᕆᔨᖅᐃᐊᖅᑐᑦ.
- ᐱᓕᕆᔨᖅᑎᖅᑎᐊᑕᑐ ᐱᓕᕆᔨᖅᐃᓱᐊᓂᑦ >ᔨᐊᖅᑭᑐᖅᑦᑐ ᖃᐅᐅᓴᒪᓇᓕᔪᐊᑐᖅᑦᑐ ᖃᐅᐅᓴᓴᖅᑕᐅᑐ (ᓇᐊᔪᓕᔨᓂ ᖃᐅᐅᓴᓴᖅᑕᐅᓂᒃ) ᓇᐊᔪᓕᔨᓂ ᐃᓕᓴᒪᐃᓐᓇᖅᑐᐊᖏᖅᑐᒃ ᐊᒻᒪᓗ ᓇᓗᓴᖅᑭᑐᖅᑦᑐᒃᑯᑦ ᓇᐅᑦᑐᐊᖏᖅᓯᒪᓂᖅ ᐃᓕᓴᒪᐃᓐᓇᖅᑐᐊᖏᖅᑐᒃ ᐊᑐᖏᖅᑐᒃ 1, 2 ᐊᒻᒪᓗ 3, 2013-ᒥ ᐊᒻᒪᓗ ᑎᓯᐱᓇ 13, 14 ᐊᒻᒪᓗ 16, 2013-ᒥ, ᐊᖏᕆᑲᓴᓯᒪᓂᖓᑎᒍ ᓇᓗᓇᐃᖅᑕᐅᔭᓴᑐᓂᑦ ᒪᑕᓯᒪᓂᖓᓂᑦ ᑕᐃᒪᐢᓇᐅᔭᕆᐊᖏᖅᓂᖓᓂᓄᑦ ᑲᓇᖅᑭᒪᓕᒥ ᐱᓕᕆᔨᓯᓐᔅ (CWS).
- ᐱᓕᕆᔨᐢᓇᐃᓕᑎᑎᓂᖅ ᐊᑐᖏᑕᐅᔨᒥᐅ ᖃᐅᖓᐊᓂ ᑐᓴᕆᔨᖅᑎᓗᒋᑦ ᒪᓕᓇᐢᓄᓚᓚᔨᓂ ᑲᓇᖅᑐᐊᓂᑦ ᑭᓴᓕᖅᑐᐊᓂᑦ ᐱᓕᕆᔨᖅᐃᐊᓂᖅᓴᒥᑦ ᐱᓕᕆᔨᖅᐃᓗᓐ.
- ᓄᓇᓕᖅᑐᐊᖏᖅᑐᒃᑯᑦ ᐃᓐᓇᖅᑐᖅᑭᒪᓂᖅ ᐊᑐᖏᑕᐅᔨᒥᐅ

ᓄᓇᓕᖅᑐᑦ ᑕᕆᔨᓇᓂᑦ (ᑎᑎᕋᖅᑕᐅᓯᒪᔪᓂᑦ Δ, Λ, Π, Þ-ᖏᑦᑐᑦ ᒪᓕᒃᓴᐅᑦᑐᑦ): Δᖅᐱᐊᕐᓵᖅ, ᑲᖏᕐᕋᖅᑐᐃᓚᐱᖅ, ᓴᓂᕆᔨᖅ, Δᖃᓗᓕᒃ ᐊᒻᒪᓗ ᒥᕆᑎᒪᑕᒃ

ᑲᑎᒪᓂᑦ ᐱᙵᕐᖏᖅᑎᑎᕐᓴᐅᑕᐅᓕᕐᕋᖅᓴᑦ ᕿᙵᓐᓂᓐᓄᑦᑐᓂ ᐅᕐᖏᕿᓐᓄᕐᓂᓕᕐᓂᑦ ᓄᑕᑎᑦ ᑐᐱᐅᒪᓴᓴᑎᑦᑐᖅᓴᑦ ᐱᓕᐅᓴᓐᓇᕐᓂᖅ, ᐱᕐᖏᓂᐅᑎᓄᑦ ᐊᖓᔪᒪᑎᐊᕐᖏᑎᑕᐅᓕᕐᓂᓄᑦ ᓄᑕᓂᑦ ᐃᓐᓇᒪᓂᖅᑐᑦ ᐱᑕᓇᐊᖓᑦ ᐅᕐᖏᕿᐃᓕᓐᓄᑦ ᐱᑕᓇᖓᔪᓂᑦ ᑲᓛᓂᑦᑐᖅ. ᐊᓕᔅᓴᖓᑐᑦ ᑲᙵᒪᓕᓂᑦ ᐱᑕᓇᓕᓴᐅᓂᑦ >ᓪᓚᓪᓕᐅᕐᖏᓴᑦ ᐊᐅᑕᓚᑎᓂᐅᔪᓂᑦ ᓄᓕᑐᖅᓴᑦ 2013–ᖃᒧᑎᑦᓗᒍ (ᓇᓗᓇᐃᓂᖅᑕᖏᑦ 10.1), ᐊᒻᒪᓗ ᖃᐅᔨᓚᖓᓂ ᑲᑎᒪᓂᖅᑕᐅᓕᕐᕋᓗᑎᓄ ᐃᓄᑕᓐᓇᓄᑦ, ᑲᙵᒪᓕᓂᑦ, ᐊᒻᒪᓗ ᐃᓄᖓᓂᑦ ᑲᑐᔪᖅᑎᑎᕆᓚᖓᓂᑦ ᐊᔪᐃᖏᑕᑐᓄ ᐃᓄᑕᑐᐃᓐᓇᖅᑐᑦ (ᓇᓗᓇᐃᓂᖅᑕᖏᑦ 10.2).

ᑕᒪᓐᓇ ᐋᓇᐅᒃᖏᖅ ᑲᔪᓯᑎᓗᒍ ᓯᕗᓪᓕᐊᓂᕆᔨᓗᓂᑦ ᐱᙵᓚᕆᐊᓂᖅᖢᓪᓕ ᐊᖏᕐᕋᑎᑦᑕᐅᓯᒪᔪᓂᑦ 18 ᒥᓚᐊᓐ ᐅᕐᖏᓚᐃᓂᕐᕕᐊᓂᑦ ᐋᓇᐅᒃᖏᖅ ᐱᓚᕆᐊᖓᔪᖅᑐᑦ ᐱᓚᕆᐊᖓᓚᐅᓯᖏᓐᓄᑦ ᐊᒻᒪᓗ ᐱᕐᖏᓂᐅᑎᓚᐅᓯᖏᓐᓄᑦ ᐱᓚᕆᐊᖓᓚᒪᓂᑦ ᑲᑎᒪᓂᑦ ᐃᓐᓇᒪᓂᖅᑐᑦ ᐱᓚᕆᐊᖓᓚᐅᓯᖏᓐᓄᑦ ᐱᙵᓚᕆᐊᖓᓚᒪᓂᑦ ᐱᙵᓚᕆᐊᖓᓚᐅᓯᖏᓐᓄ

ᐃᓄᓕᓗᐊᕐᓂᖅᑯᑦᓯᓪ (AANDC) ᐊᒻᒪᓗ ᐊᓱᖏᓐᓂᓪ. ᐸᕆᓵᓐᓂᑦ ᐱᓕᕆᐊᓕᕐᕋᖅᓴᓪ ᑕᒪᑯᑎᒍᓐᓇᖅ ᒪᓕᖅᑕᐅᕐᓂᑯᑦᓴᐅᑎᒍ ᑐᓂᖅᐅᓂᖅ ᐱᓕᕆᐊᓐᓇᖅᓱᑎᑕᐅᖅᐸᑕ ᐊᐋᑭᓐᓂᖅᑎᑕᐅᓗᑎᒃ ᐃᓕᑯᑦᓯᐊᐅᕐᑐᑎᑕᐅᑐᑦᓯᓪ ᑭᒃᑐᖅᑐᑦᓯᓪ.

ᐅᕐᕋᖅᓂᐊᕋᕆᐊᖅ ᑲᐋᓯᓂᐊᕋᒪᑦ ᐱᕋᑲᑕᐃᓇᓵᓐᓂ ᒪᓕᓂᑎᐊᕋᓂᕐᒧᑦ ᓇᑦᓕᖅᑭᓂ ᒪᓕᖅᑕᐅᑦᓯᐅᕐᐊᓂᖅ ᑕᐃᒪᓇᐅᐅᕐᓚᐊᕋᑲᕋᖅᓂᕐᓗᓄᑦ, ᐊᒻᒪᓗ ᐋᑦᖁᐅᐅᒪᓂᕐᑎᓗᓂᖅ ᓄᓇᓕᖅᓂ ᐱᓕᓚᖅᑎᑎᕐᓂᑦᓂᕐᒥᑦ. ᐊᐢᑎᑎᒃ ᖃᐅᔨᒪᓕᐅᓇᓱᐊᕋᓂᖅᓱᒍ ᒪᓕᖅᓯᒪᓕᕐᖅ ᐊᖏᕐᖃᑕᐅᓯᒪᓕᐊᑦ ᐊᐢᑎᑕᓕᓚᓂᕐᒥᑦ ᐊᐅᑕᓕᑎᓂᕐᒧᑦ ᐊᒻᒪᓗ ᖃᑯᒃᓴᓇᓕᓂᕐᓂᖅᑎᑎᕐᓂᕐᒧᑦ ᐸᖃᓇᑎᑦ ᑲᐋᓯᓂᐊᕋᓂᕐᒪᑕ 2014-ᒥ. ᐃᑦᑕᓂᓴᕆᓂᕐᓂᑦ ᖃᐅᔨᓴᖅᓂᖅ ᐅᕐᕋᖅᓂᐊᕋᕆᓂᖅ ᐃᓕᓴᓂᓗ ᓇᓚᖅᑕᐅᓛᑦ ᐱᓕᕆᐊᓐᓇᖅᓱᐊᕋᓂᕐᒪᑕ ᑕᐃᒪᓇᐅ ᐱᕙᓚᐊᖅᑐᓂᕐᒪᑕ.

ᖃᐅᔨᒪᓕᐅᕙᓚᐊᖅᑐᖅ, ᑕᒪᓇᐅᑎᓗᒍ ᑐᓴᕐᓯᑕᐅᓕᒪᓕᕐᖅ ᐱᑎᐊᓕᓴᖅᓂᕐᒧᑦ ᑭᓇᐅᕐᕙᓴᕐᑕᑎᑦᓚᕐᓂᖅᑕᑦᑎᓐᓂᖅ (ERP) ᐱᓕᓚᓂᖅ ᐃᓐᓇ ᕿᑎᕐᕿᕐᕋᐅᖏᓐᓇᒪ, ᑕᐃᑲᓇᐊᓵᐊᖅ ᐱᓕᓚᑦᓂ ᑐᓴᕐᕃᕐᓯᓕᒪᓕᕐᖅ 2014-ᒥ ᐃᖅᑲᓇᓇᐃᕐᖓᓕᒫᓵᓗᑎᒃ ᐸᖃᓇᑎᑦ ᐱᓓᕕᖏᓐᓇᓕᕐᓂᖏᓐᓂᕐᒪᑕ 2014-ᒥ ᐸᐃᓐᓂᕐᓂᑦᓯᓪ ᐱᑎᐊᓕᓴᖅᓂᖅ (ERP) ᐊᖏᕐᖃᑕᐅᓕᐅᖏᓐᓂᖅᓱᓐᓂᑐᑦ. ᐋᖅᑭᕕᒪᐊᖅᓴᓕᕐᒥᒃ ᕈᖓᓕᓕᖅᐸᖅᓴᐅᑦ ᐊᐢᑎᑎᒃ ᐊᑲᐃᐃᓂᐊᕋᖅᑐᓂᒃ ᓇᓗᓇᐃᕐᑎᖏᓐᓂᖅᓄᑦ ᑐᓗᓕᓕᒫᓗᑎᒃ ᓴᓇᔨ 27-ᒥᑦ 31-ᒧᑦ, 2014-ᖓᑎᓗᒍ. ᐸᕆᓵᓐᓂᑦ ᐃᓐᓇ ᐅᑕᖅᑭᖓᒪᑕ ᓄᓇᕗᓂᒥ ᐊᐢᑎᑎᕐᓚᓕᕐᓂᑦ ᑲᑎᒪᓕᖅᓂᕐᒪᑕ ᐊᑐᓕᑦᓴᓕᑎᓕᐊᓕᕐᓂᕐᕕᑕᖏᓐᓂᑦ ᐃᓄᓕᓗᐊᕐᓂᖅᑯᑦᓄᓪ. ᑕᐃᒪᓕᓕ ᐸᖃᓇᑎᑦ ᐱᓕᕆᐊᓐᓇᖅᓱᐊᕋᓂᕐᒪᑕ ᑭᓇᐅᕐᕙᓴᕐᑕᑎᑦᓚᕐᓂᖅᑕᑦᑎᓐᓂᖅ ᐊᖏᕐᖃᑕᐅᓕᐅᖏᓐᓂᖅᓱᐊᕋᓂᕐᒪᑕ ᓄᓇᕗᓂᒥ ᑲᑎᒪᓕᖅᓂᕐᒪᑕ ᐃᓐᓇ ᐅᑕᖅᑭᖓᒪᑕ, ᐃᓕᓴᖅᑲᓂᕐᓂ ᐱᓕᕆᐊᓐᓇᖅᓱᐅᕐᓂᑦ ᐱᓯᓕᓕᐊᑎᓂᕐᒧᑦ ᐊᒻᒪᓗ ᐃᓅᓕᓕᐅᑎᓂᕐᒧᑦ ᓄᓇᕗᓂᐅᕐᓂᖅᐸᑕ ᐱᓕᕆᐊᓐᓇᖅᓱᐊᕋᓂᕐᒪᑕ ᑕᒪᓐᓇ 2014-ᒥ.

SOCIÉTÉ BAFFINLAND IRON MINES
PROJET DE LA RIVIÈRE MARY

RAPPORT ANNUEL 2013 DE LA QIKIQTANI INUIT ASSOCIATION (QIA) ET L'OFFICE DES EAUX DU NUNAVUT (OEN)

RÉSUMÉ

L'année 2013 fut une année de transition sur le plan de la réglementation, marquée par l'octroi d'un nouveau permis d'utilisation des eaux de Type « B » (8BC-MRY1314) le 25 mai 2013, la réception d'un permis d'utilisation des eaux de type « A » (2AM-MRY1325) le 23 juillet 2013 et la réception du nouveau bail commercial n^{o} Q13C301 le 6 septembre 2013. Le présent rapport de l'Office des eaux du Nunavut (OEN) et de la Qikiqtani Inuit Association (QIA) a été rédigé dans le but de présenter un résumé des activités et des contrôles effectués dans le cadre du projet en vertu du permis d'utilisation des eaux de type B existant n^{o} 2BB-MRY1114, du nouveau permis d'utilisation des eaux de type B n^{o} 8BC-MRY1314 et du permis d'utilisation des eaux de type A n^{o} 2AM-MRY1325, et de répondre aux exigences réglementaires en matière d'information en vertu du nouveau bail commercial n^{o} Q13C301 et de l'ancien bail commercial n^{o} QI0C3001. Le lecteur trouvera en Annexe A des tableaux de concordance qui précisent les instances où les exigences en vertu des permis d'utilisation des eaux et des baux commerciaux de Baffinland ont été respectées dans le présent rapport.

Les permis d'utilisation des eaux de la société Baffinland Iron Mines (Baffinland) prévoient un programme d'échantillonnage qui nécessite l'enregistrement de la quantité d'eau extraite pour quelque fin que ce soit, la réalisation d'essais sur tous les effluents (p. ex., effluents d'eaux usées traitées) évacués dans l'environnement et le contrôle de la qualité de l'eau dans certains secteurs précis du Projet (p. ex., rejet de déchets en surface en aval des sites de construction, ruissellement à partir des fosses d'échantillonnage en vrac, eaux de pluie recueillie au moyen d'une structure artificielle, etc.). Ces renseignements sont résumés dans le rapport annuel complet de l'OEN, ci-inclus en Annexe B, et font l'objet d'une description plus détaillée dans le présent rapport. Selon les résultats des essais réalisés sur les effluents ciblés par les permis d'utilisation des eaux, conformément aux programmes de contrôle inclus dans les permis d'utilisation des eaux, les effluents rejetés dans l'environnement récepteur n'ont pas dépassé, en 2013, les seuils établis aux termes des permis d'utilisation des eaux de type « B » et « A ». En outre, les volumes d'eau prélevés aux fins d'utilisation dans le campement n'ont pas dépassé les limites prévues dans le permis d'utilisation des eaux de type « B » (2BB-MRY1114) entre le 1er janvier et le 22 juillet 2013. Un dépassement ponctuel de la limite autorisée pour le port de Milne en vertu du permis d'utilisation des eaux de type « A » (2AM-MRY1325) s'est produit en octobre 2013. Ce dépassement est imputable aux quantités considérables d'eau douce nécessaires pour la mise en service des nouvelles installations de traitement de l'eau potable du port de Milne. Aucun autre dépassement des limites d'extraction quotidienne autorisées ne s'est produit au port de Milne, au site de la rivière Mary ou au port de Steensby, respectivement, en vertu du permis d'utilisation des eaux de type « A » (2AM-MRY1325) entre le 23 juillet et le 31 décembre 2013. Au mois d'août 2013, un dépassement ponctuel de courte durée a été enregistré au chapitre de la quantité totale de particules en suspension dans l'eau de ruissellement au point de contrôle MP-C-F du port de Milne. Ce dépassement a été imputé aux activités de construction associées à l'aménagement de la base du nouveau campement permanent. Des mesures d'atténuation efficaces ont été mises en œuvre en aval pour réduire les effets éventuels sur l'eau réceptrice. Aucun autre dépassement lié au déversement et/ou à la qualité

de l'eau de ruissellement, aux termes des critères figurant dans les permis d'utilisation des eaux, n'a été détecté dans les échantillons prélevés pendant la période sans couvert de glace.

Les principales activités associées au projet de la rivière Mary (le Projet) en 2013 sont les suivantes :

- Entretien et amélioration continue du programme de sécurité actuel du site.
- Exploitation, aménagement et construction, sur 12 mois, des infrastructures nécessaires à la capture du site pour le lancement du projet de 18 millions de tonnes à la rivière Mary (site de la mine de la rivière Mary et du port de Milne), conformément aux conditions de l'OEN et tel qu'autorisé et décrit dans les permis respectifs.
- Exploitation du campement du port de Steensby en juin, juillet, août et septembre pour appuyer les études environnementales de base et les programmes de prospection.
- Exploitation du campement au site de prospection de la mine de la rivière Mary et de ses installations connexes de traitement des eaux usées et d'incinération, conformément aux modalités du ou des permis d'utilisation des eaux de Baffinland.
- Réalisation de programmes géologiques et géophysiques dans l'ensemble des concessions appartenant à Baffinland et la parcelle faisant l'objet d'une entente d'exploration située au nord-est, à l'est et au sud-est du campement du port de Steensby, notamment la prospection de reconnaissance à l'échelle régionale, le prélèvement d'échantillons de surface, le cheminement, la cartographie à l'échelle de la propriété, des levés gravimétriques et magnétiques du sol et un programme de cheminement par hélicoptère.
- Modélisation géophysique du dépôt n^{o} 4, recherches sur l'origine du schiste de la zone minéralisée aux dépôts n^{o} 1 à 5 et travaux d'interprétation sur les zones d'intérêt nouvellement définies de la zone de plissements d'Eqe Bay.
- Sondages géotechniques afin d'appuyer les exigences conceptuelles du projet le long de la route Tote, des ponts, des emplacements de carrières potentiels et des zones d'emprunt.
- Continuation du dépôt de déchets non dangereux dans le site d'enfouissement prévu à cette fin au site de la mine de la rivière Mary conformément au manuel et aux procédures sur l'exploitation et l'entretien des sites d'enfouissement.
- Traitement, puis évacuation des eaux de pluie huileuses tirées des installations souples de stockage du carburant en vrac au port de Milne et au site de la mine de la rivière Mary.
- Réception de produits de consommation, d'équipement et de matériel nécessaires pour la réalisation du plan de travail 2013 et la réalisation des travaux prévus de janvier à juin 2014 au moyen de dix (10) bateaux de transport maritime rapide.
- Réception de 34 millions de litres de carburant diesel arctique P-50 et de 2,25 ML de carburant aviation Jet-A au moyen de deux (2) transferts navire-terre en août et en septembre aux réservoirs en acier de stockage en vrac du carburant du port de Milne.
- Enlèvement de certains éléments du site du projet par transport maritime de retour à partir du port de Milne, notamment l'équipement lourd appartenant à des entrepreneurs et des déchets à destination d'installations approuvées/homologuées de recyclage/élimination dans le sud du Canada.
- Enlèvement de 1 463 m^{3} d'eau contaminée tirée des installations souples de stockage du carburant en vrac au port de Milne par transport maritime de retour (après la livraison du carburant) aux fins de traitement dans des installations approuvées/homologuées dans le sud du Canada.
- Poursuite des travaux de démantèlement des installations souples de stockage du carburant en vrac au port de Milne et d'enlèvement des installations souples de stockage du site aux fins d'élimination hors situ dans des installations approuvées/homologuées dans le sud du Canada.
  Les sols contaminés excavés à partir de l'ancienne structure de confinement ont été entreposés dans une structure artificielle en attendant d'être traités in situ.

- Transport des fournitures et du carburant nécessaires entreposés au port de Milne jusqu'au site de la mine de la rivière Mary via la route Tote de Milne Inlet.
- Exploitation d'un hélicoptère et d'un aéronef à voilure fixe pour desservir le campement du port de Steensby, le programme géologique et géophysique et autres activités générales sur les sites, notamment la surveillance environnementale, l'exploration régionale et les programmes environnementaux de base.
- Poursuite de l'obtention de données scientifiques de base conformément à la Déclaration finale d'impact environnemental et aux études techniques à l'appui des conceptions techniques futures.
- Poursuite des travaux de sondage archéologique aux emplacements des composants du projet, selon les besoins.
- Poursuite des travaux de mise à niveau et d'entretien de la route Tote de Milne Inlet afin d'améliorer la sécurité et réduire les risques environnementaux, conformément aux spécifications du Projet approuvé.
- Poursuite des travaux de réhabilitation progressive d'emplacements utilisés actuellement et dans le passé aux fins des programmes de forage et de prélèvement d'échantillons en vrac.
- Rejet des eaux usées traitées stockées dans des étangs d'épuration et d'affinage au site de la mine de la rivière Mary dans le lac Sheardown Lake. Rejet des eaux usées traitées stockées dans l'étang d'épuration et d'affinage du campement du port de Milne dans le ruisseau Milne.
- Réception du permis d'utilisation des eaux de type « A » (2AM-MRY1325) émis le 10 juin 2013 pour un projet d'exploitation minière et de broyage du minerai, conformément à la réglementation de l'Office des eaux du Nunavut qui autorise Baffinland à utiliser de l'eau et à produire des déchets dans le cadre de la construction, l'exploitation, la fermeture et la réhabilitation d'une mine de minerai de fer, projet proposé sous le nom de Projet de la rivière Mary pour lequel un certificat de projet (n° 005) a été émis.
- Réception du permis d'utilisation des eaux de type « B » (8BC-MRY1314), émis le 25 mai 2013 pour le compte de Baffinland et permettant à cette dernière de procéder aux travaux de construction préliminaires (avant la réception du permis d'utilisation des eaux de type « A »), notamment la construction d'un réservoir à carburant additionnel de 5 ML à l'intérieur de la structure de confinement secondaire existante, d'un talus de confinement additionnel pour le carburant, d'un deuxième étang d'épuration et d'affinage, des zones de stockage temporaire et des bases de campement au port de Milne et au site de la mine de la rivière Mary et l'aménagement de carrières et de zones d'emprunt pour l'approvisionnement en agrégats nécessaires pour les travaux ci-dessus.
- Réception du nouveau bail commercial n° Q13C301 le 6 septembre 2013 et portant sur les terres appartenant au Nunavut.
- Exploitation et extraction de matériaux (till et pierre) à la carrière Q1 située au port de Milne et à la carrière QMR2 située au site de la mine de la rivière Mary.
- Opérations de suivi liées à la surveillance, à la planification et à l'entretien régulier de la route Tote et autres activités obligatoires aux termes de l'autorisation de pêche aux fins du programme « Aucune perte nette » et du programme de surveillance de la route Tote, du bail et du permis d'utilisation du sol de la QIA et des exigences liées au permis d'exploitation d'une carrière.
- Aménagement de zones de stockage temporaire pour les dépôts d'explosifs le long de la route Tote.
- Construction et mise en service d'un deuxième étang d'épuration et d'affinage au port de Milne qui sera utilisé au moment de la mise en service de la nouvelle usine de traitement des eaux usées.
- Construction et mise en service d'un deuxième réservoir en acier de stockage du carburant diesel arctique (P-50) à l'intérieur de la deuxième structure de confinement construite en 2011.
- Construction et mise en service de deux (2) réservoirs en acier de stockage du carburant diesel arctique (P-50) de 12 millions de litres et de trois (3) réservoirs en acier de stockage du carburant aviation Jet-A de 0,75 million de litres au port de Milne, de même que des structures de confinement artificielles secondaires et des systèmes de distribution du carburant connexes.

- Construction et mise en service de quatre (4) réservoirs de carburant diesel arctique (P-50) de 500 000 litres au site de la mine de la rivière Mary, de même que des structures de confinement artificielles secondaires et du système de distribution du carburant connexes.
- Installation et mise en service d'un campement temporaire à parois souples au port de Milne.
- Installation et mise en service d'un campement permanent au port de Milne avec usine de traitement des égouts et installations d'incinération. Installation d'un campement permanent au site de la mine de la rivière Mary avec usine de traitement des égouts, usine de traitement des eaux et installations d'incinération.
- Début de la surveillance liée aux sondages effectués sur les gaz d'échappement aux incinérateurs de déchets du port de Milne et du site de la mine de la rivière Mary les 1, 2 et 3 octobre 2013 et les 13, 14 et 16 décembre 2013, respectivement, en vue de confirmer la conformité aux normes pancanadiennes.
- Démantèlement de l'usine de traitement des égouts à biodisques existante au port du Milne.
- Formation sur les interventions en cas de déversement donnée en 2013 aux membres de l'équipe d'intervention d'urgence de Baffinland et à tous les employés du site par voie de cours magistraux, d'ateliers et d'exercices pratiques.
- Déclaration de dix (10) déversements à la Nunavut Spill Line et autres intervenants en 2013. Ces déversements n'ont entraîné aucun impact important sur les eaux et les terres avoisinantes.
- Envoi par transport maritime de divers déchets et matériaux dangereux produits au cours des deux (2) années précédentes aux fins d'élimination dans des installations approuvées/homologuées dans le sud du Canada. Ces matériaux ont été conditionnés, stockés et consignés au manifeste au port de Milne.

Examen annuel des plans de gestion mis au point en vertu des permis d'utilisation des eaux. Mise à jour du Plan provisoire de fermeture et de réhabilitation, du Plan d'intervention et de mesures d'urgence en cas de déversement, du Plan d'approvisionnement en eau douce et de gestion des eaux usées et des égouts, du Plan de gestion des eaux de surface et des écosystèmes aquatiques, du Plan de gestion des déchets et du Plan de gestion des déchets dangereux. Les détails de ces mises à jour figurent à la section 8 du présent rapport.

En 2013, Baffinland a continué d'exploiter ses bureaux de liaison avec les collectivités à Iqaluit, Igloolik, Pond Inlet, Clyde River et à Hall Beach. Les fonctions des agents de liaison avec les collectivités (ALC) ont été étoffées, puisqu'un ACL a été présent dans chacune de ces collectivités, y compris à Arctic Bay, Clyde River, Hall Beach, Igloolik et Pond Inlet. À Iqaluit, le directeur principal des Affaires boréales de Baffinland supervise le bureau commercial du Nunavut et le réseau d'agents de liaison dans toute la région du Nord-de-l'île-de-Baffin. Au quatrième trimestre de 2014, un directeur du IIBA a été embauché pour Baffinland; le titulaire du poste travaille au bureau d'Iqaluit.

Poursuite très active des consultations auprès des collectivités et du gouvernement en 2013. Des rencontres ont eu lieu avec le public, les représentants des hameaux locaux, des associations locales de chasseurs-trappeurs, les représentants locaux de la QIA et/ou autres représentants des collectivités de (en ordre alphabétique) : Arctic Bay, Clyde River, Hall Beach, Igloolik et Pond Inlet.

Ces rencontres permettent à Baffinland de communiquer des nouveaux renseignements, notamment sur les travaux en cours de réalisation par l'entreprise. Divers organismes de réglementation gouvernementaux ont visité les sites des opérations de la rivière Mary en 2013 (voir Tableau 10.1), et de nombreuses rencontres ont été organisées dans divers sites avec le public, les représentants des gouvernements et les associations inuites (voir Tableau 10.2).

À mesure que le Projet avance avec la construction du projet de 18 millions de tonnes par année, les efforts d'obtention de permis et l'engagement des parties prenantes au projet continueront d'aider Baffinland à tenir les

collectivités informées des nouvelles, des échéanciers et des permis et autorisations obtenus, et de faire participer les populations locales et les organismes de réglementation au développement de ses programmes de surveillance.

Le plan de travail pour 2014 (voir Annexe C) a été préparé, puis distribué aux parties intéressées le 31 octobre 2013, conformément à la section 6.1 du bail commercial n° Q13C301 et de la partie J, article 3 du permis d'utilisation des eaux de type « A » (2AMMRY1325). Le plan de travail pour 2014 décrit les travaux d'aménagement et de construction prévus pour les infrastructures nécessaires au port de Milne, sur la route Tote et au site de la mine de la rivière Mary dans le cadre du Projet de la rivière Mary.

La portée générale du plan de travail pour 2014 inclut les éléments suivants :

7) Poursuite de l'aménagement et de la construction des infrastructures nécessaires à la capture de site au port de Milne et au site de la mine pour le lancement du projet approuvé de 18 millions de tonnes;
8) Poursuite de l'obtention de données environnementales de base et des sondages géophysiques en vue d'appuyer le développement du Projet; et
9) Poursuite des travaux de réhabilitation progressive d'emplacements utilisés actuellement et dans le passé aux fins des programmes de forage, de prélèvement d'échantillons en vrac et d'exploration.

Les principaux instruments réglementaires en vertu desquels les activités du plan de travail pour 2014 sont autorisées incluent : Certificat de projet n° 005, permis d'utilisation des eaux de type « A » (2AM-MRY1325), permis d'utilisation des eaux de type « B » (2BB-MRY1114), bail commercial de la QIA Q13C301, permis d'utilisation des sols de la Couronne de catégorie A N2007F004 et permis d'exploitation d'une carrière 2013QP0086. Advenant que l'Office des eaux du Nunavut (OEN), le ministère des Pêches et des Océans (MPO), la Qikiktani Inuit Association (QIA), Affaires autochtones et Développement du Nord Canada (AADNC) ou autres déterminent la nécessité d'autorisations, de permis, et baux, etc. additionnels, Baffinland procèdera de la même manière que si ces autorisations avaient été données par l'organisme responsable.

Le site du Projet continuera d'être conforme aux diverses exigences réglementaires et à maintenir des liens avec les collectivités. La surveillance environnementale, aux termes des plans approuvés de gestion environnementale et de mesures d'atténuation, se poursuivra en 2014. Les travaux de sondage archéologique aux emplacements des composants du projet se poursuivront également selon les besoins.

Fait à noter : étant donné que la phase de revenus préliminaires est en cours, certaines activités proposées dans le plan de travail pour 2014 ne sont pas autorisées en 2014 tant que la phase de revenus préliminaires de Baffinland n'aura pas été approuvée. Un Addenda à la Déclaration finale d'impact environnemental a été présenté en juin 2013, et les audiences finales ont eu lieu à Pond Inlet du 27 au 31 janvier 2014. Baffinland attend actuellement la recommandation du Nunavut Impact Review Board au ministère des Affaires autochtones et Développement du Nord. Si la phase de revenus préliminaires de Baffinland reçoit l'aval du Nunavut Impact Review Board, des activités additionnelles d'aménagement et de construction d'infrastructures pourraient être réalisées en 2014.

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2013 QIKIQTANI INUIT ASSOCIATION (QIA) AND NUNAVUT WATER BOARD (NWB) ANNUAL REPORT

SECTION 1.0 - INTRODUCTION

1.1 OVERVIEW

This report to the Nunavut Water Board (NWB) and Qikiqtani Inuit Association (QIA) has been prepared to summarize the Project Activities and monitoring conducted under the existing Type "B" Water Licence 2BB-MRY1114, the new Type "B" Water Licence 8BC-MRY1314, the Type "A" Water Licence 2AM-MRY1325, as well as to address reporting requirements set forth in the new Commercial Lease No. Q13C301 and the expired Commercial lease No.QI0C3001. Comprehensive concordance tables highlighting where the requirements of each of Baffinland's Water Licence(s) and Commercial Lease(s) have been met in this report are presented in Appendix A.

Baffinland Iron Mines Corporation's (Baffinland) Water Licences include sampling programs that involve recording the volume of water extracted for any purpose, testing of effluents (e.g., treated sewage effluents) discharged to the environment, and monitoring water quality within specific project areas (e.g., surface discharge downstream of construction area, runoff from bulk sample pits, storm water from a engineered containment structure, etc.). This information is summarized/referenced on the completed NWB Annual Report Forms, included as Appendix B, and is described in greater detail in the following sections.

Figures 1.1 and 1.2 show the locations of the key areas associated with the Mary River Project where activities in 2013 were undertaken at Milne Port (Figure 1.3), along the Milne Inlet Tote Road (Figure 1.4), at the Mary River Mine Site (Figure 1.5), and at the Steensby Port site (Figure 1.7). There was no activity at the Mid-Rail camp site (Figure 1.6) in 2013 and the camp remained closed and unoccupied for the entire year.

Due to the transition of NWB authorizations that took place in 2013, Project activities and monitoring were conducted under multiple water licences including Type "B" Water Licence 2BB-MRY1114, the new Type "B" Water Licence 8BC-MRY1314, and the Type "A" Water Licence 2AM-MRY1325. Key activities associated with the Mary River Project in 2013 conducted under either the existing or new Type "B" Water Licence(s), or under the Type "A" Water licence are therefore presented, herewith, in the following sections based on respective licence and activity type. A summary of key 2013 Project activities conducted and submissions provided on a monthly basis during 2013 is presented in Table 1.1.

1.1.1 Activities Conducted under Type "B" Water Licences 2BB-MRY1114 and 8BC-MRY1314

Project activities and monitoring were regulated by authorizations granted under the existing Type "B" Water Licence 2BB-MRY1114 and receipt of a "new" Type "B" Water Licence 8BC-MRY1314 in 2013. The "new" Type "B" Licence (8BC-MRY1314) was issued on May 25, and allowed for the construction of early works

(prior to the receipt of the Type "A" Water Licence on July 23). These activities included, in Milne Port, the construction of an additional 5ML fuel tank within the existing secondary containment, an additional fuel containment berm, and a second Polishing Waste Stabilization Pond (PWSP). As part of the early works, laydown and camp pad areas were constructed at both Milne Port and the Mary River Mine Site, and quarries and borrows were developed to provide aggregate for the above projects. The new Type "B" licence permitted the actual construction activities, whereas the existing Type "B" licence permitted the existing camp function that supported the construction of the early works.

Key activities associated with the Mary River Project in 2013 conducted under either the existing or new Type "B" Water Licence(s) are presented below based on type of site activity:

Operations and Maintenance (under existing Type "B" Water Licence 2BB-MRY1114)

- The operation of Steensby Port camp during the months of June, July, August, and September to support ongoing environmental baseline studies and mineral exploration programs.
- The operation of the Mary River Mine Site Exploration camp with its associated sewage treatment plant and incinerator during the January to July 2013 period.
- The continued deposition of non-hazardous wastes into the constructed landfill at the Mary River Mine Site in accordance with approved protocols during the January to July 2013 period.
- The minor transport of needed fuel and supplies stored at Milne Port to the Mary River Mine Site via the Milne Inlet Tote prior to July 23, 2013.
- The operation of helicopter and fixed wing aircraft to service the Steensby Port camp, geology and geophysics program and other general site activities; including environmental monitoring, regional exploration and environmental baseline programs.
- The continued maintenance of the Milne Inlet Tote Road for the purpose of improving safety and reducing environmental risk as per the approved Project prior to July 23, 2013.

Construction (under new Type "B" Water Licence 8BC-MRY1314)

- The construction and commissioning of a second 5ML P-50 diesel fuel steel storage tank at Milne Port within the secondary containment constructed in 2011.
- The construction and commissioning of a second polishing waste stabilization pond (PWSP) at Milne Port for use during commissioning of new sewage treatment plant and for occasional periods when the plant produces off-spec effluent.
- The operation and extraction of till and rock material at Quarry Q1 located at Milne Port and Quarry QMR2 located at the Mary River Mine Site, as well as at other locations that were authorized by QIA under expired Commercial Lease No. Q10C3001 and under an AANDC Quarry Permit prior to July 23, 2013.
- The development of laydown areas for temporary storage of explosive magazines along Tote Road.
- Construction of laydown and camp pad areas at Milne Port and the Mary River Mine Site.

Monitoring/Investigations (under existing Type "B" Water Licence 2BB-MRY1114)

- A minor geotechnical program was undertaken at Milne Port during the month of December that focused on the assessment of subsurface conditions for the construction of a proposed ore dock. Eleven (11) boreholes were advanced for a total of 285 m of drilling.
- The undertaking of geology and geophysics programs across Baffinland's claim groups and Exploration Agreement (EA) parcel located northeast, east and southeast of the Steensby Port camp including property and regional scale reconnaissance prospecting, surface sampling, traverses, property scale mapping, ground gravity and magnetic surveys, and a helicopter traverse program.
- The geophysical modeling of Deposit No. 4, research on the origin of the "ore zone schist" at Deposits No. 1 through 5, and interpretive work on newly defined prospects in the Eqe Bay Fold belt.
- Geotechnical surveys to support Project design requirements along the Tote Road alignment, bridge crossings, prospective quarry sites and borrow areas.
- The ongoing collection of baseline scientific data in accordance with NIRB Project Certificate and other regulatory commitments and requirements and engineering studies that are in support of future engineering design.
- The continued archaeological surveys at project component areas as required.
- The follow-up monitoring, planning, and routine maintenance of the Tote Road and activities required pursuant to the Fisheries Authorization for the Tote Road No Net Loss and Monitoring Program, QIA lease, and AANDC land permit and quarry permit requirements.

Progressive Reclamation (under existing Type "B" Water Licence 2BB-MRY1114)

- The treatment and discharge of oily storm water from bladder bulk fuel storage facilities at Milne Port and Mary River Mine during June and July 2013.
- The continued progressive reclamation of areas of current and past use in association with drilling and bulk sample programs.
- During June and July 2013, the discharge of treated sewage effluent stored in Polishing Waste Stabilization Ponds (PWSPs) at the Mary River Mine Site to Sheardown Lake and at Milne Port Camp, the discharge of treated sewage effluent stored in the PWSP to Milne Inlet.

1.1.2 Activities Conducted under Type "A" Water Licence 2AM-MRY1325

Project activities and monitoring were also conducted in 2013 under authorization granted with receipt of the Type "A" Water Licence (2AM-MRY1325) on July 23, 2013. The licence was issued for a Mining and Milling undertaking in accordance with the Nunavut Waters Regulations and authorizes Baffinland to use water and deposit waste in relation to the construction, operation, closure and reclamation of an iron-ore mine, as permitted under NIRB Project Certificate N0. 005. In addition, the receipt of the new Commercial Lease No.Q13C301 from QIA for Inuit Owned Lands (IOL) on September 6, 2013, provided authorization for the activities permitted under the Project Certificate to proceed on IOL.

The Type "A" Water Licence and the new QIA Commercial Lease regulated key site activities from July 23, 2013, and September 6, 2013, respectively. These site activities are presented below based on the type of activity:

Operations and Maintenance (under Type "A" Water Licence 2AM-MRY1325 after July 23, 2013)

- The operation of the Mary River Mine Site Exploration camp with its associated sewage treatment plant and incinerator.
- The continued deposition of non-hazardous wastes into the constructed landfill at the Mary River Mine Site in accordance with approved protocols.
- The receipt of 34 ML of P-50 diesel fuel and 2.25 ML of Jet-A fuel via two (2) ship-to-shore fuel transfers in August and September to the Milne Port fuel steel tank bulk fuel storage facility.
- The transport of needed fuel and supplies stored at Milne Port to the Mary River Mine Site via the Milne Inlet Tote.
- Land and marine spill contingency training delivered to Baffinland Emergency Response Team (ERT) members and other staff and contractors prior to fuel delivery at Milne Port by means of a combination of classroom lectures, field exercises, and tool box meetings.
- The shipment off-site of various waste and hazardous materials generated over the course of the previous two (2) years for disposal in approved/licensed facilities in Southern Canada via sealift to the Port of Valleyfield, Quebec, and subsequent ground transportation to final disposal facilites. These materials were packaged, stored, and manifested at Milne Port.
- The continued maintenance and upgrades of the Milne Inlet Tote Road for the purpose of improving safety and reducing environmental risk.

Construction (under Type "A" Water Licence 2AM-MRY1325 after July 23, 2013)

- The operation, development and construction of infrastructure required for site capture for the launching of the approved 18 MT Mary River Project at the Mary River Mine Site and Milne Port in accordance with the NWB conditions as authorized and described in the respective licenses.
- The receipt of consumables, equipment and material required for the execution of the 2013 Work Plan and execution of the work planned for January to June of 2014 via ten (10) sealift vessels.
- The operation and extraction of till and rock material at Quarry Q1 located at Milne Port and Quarry QMR2 located at the Mary River Mine Site, as well as at other locations that were authorized by QIA under expired and new Commercial Leases, and under AANDC Quarry Permit.
- The construction and commissioning of two (2) x 12 ML (million litre) P-50 diesel above ground steel storage tanks and three (3) x 0.75 ML (million litre) Jet-A above ground steel storage tanks at Milne Port with associated engineered lined secondary containment structure and fuel dispensing system.
- The construction and commissioning of four (4) x 500,000 L (litre) P-50 diesel above ground steel storage tanks at the Mary River Mine Site with associated engineered lined secondary containment structure and fuel dispensing system. The tanks and fuel dispensing system were not yet in use as of the end of 2013.

- The installation and commissioning of a temporary soft wall camp at Milne Port (the Matrix Camp).
- The installation and commissioning of a permanent camp complex at Milne Port site with new sewage treatment plant, potable water treatment plant, and incinerator facilities. The installation of a permanent camp complex at the Mary River Mine Site with a sewage treatment, potable water treatment plant and incinerator facilities.
- Commencement of upgrades to the Tote Road in accordance with the Project Certificate to support transportation of materials and equipment from Milne Port to the Mary River Mine Site.
- During December 2013, work commenced on a temporary ice airstrip located approximately 10 km north of the Mary River Mine Site camp facilities on David Lake. The ice strip is being constructed to support air traffic to and from the Project site during the February to May 2014 period and will allow for the construction of approved upgrades to the existing airstrip at the Mary River Mine Site.

Monitoring/Investigations (under Type "A" Water Licence 2AM-MRY1325 after July 23, 2013)

- The ongoing collection of baseline scientific data in accordance with NIRB Project Certificate and other regulatory commitments and requirements and engineering studies that are supporting future engineering design.
- The undertaking of performed emission monitoring surveys (stack tests) stacks at the new refuse incinerators located at Milne Port and the Mary River Mine Site on October 1, 2 and 3, 2013 and December 13, 14 and 16, 2013, respectively to confirm compliance with requirements of the Canada Wide Standards (CWS).

Progressive Reclamation (under Type "A" Water Licence 2AM-MRY1325 after July 23, 2013)

- The treatment and discharge of oily storm water from bladder bulk fuel storage facilities at Milne Port and Mary River Mine during July and August 2013.
- The removal of a number of items from the Project site on the Milne Port sealift backhaul, including contractor heavy equipment and waste destined to approved/licensed recycling/disposal facilities in southern Canada.
- The removal of 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility on fuel delivery sealift backhaul for destruction at an approved/ licensed facility in Southern Canada.
- The ongoing decommissioning of the Milne Port site bulk fuel bladder bulk fuel storage facility and removal of bladders from site for off-site disposal at an approved/licensed facility in Southern Canada. The contaminated soil excavated from the former containment structure was stored in an engineering lined containment for future on-site treatment at a landfarm facility, to be constructed during 2014.
- During July and August 2013, the discharge of treated sewage effluent stored in Polishing Waste Stabilization Ponds (PWSPs) at the Mary River Mine Site to Sheardown Lake.
- The shutdown of the existing Milne Port rotating biological contactor (RBC) sewage treatment plant.

1.2 OVERVIEW OF PROJECT ACTIVITIES IN 2013

The year 2013 was a regulatory transition year which saw the granting of a new Type "B" Water Licence (8BC-MRY1314) on May 25, 2013, the receipt of a Type "A" Water Licence (2AM-MRY1325) on July 23, 2013, and the receipt of the New Commercial Lease No. Q13C301 on September 6, 2013. In addition proposed changes were introduced to the schedule, via submission in June 2013, of a proposed addendum to the Final Environmental Impact Statement and approved Mary River Project (Project Certificate No. 005). On September 6, 2013, Baffinland and the Qikiqtani Inuit Association ("QIA") entered into an Inuit Impact Benefits Agreement ("IIBA") for the Mary River Project. Also, on September 6, Baffinland and QIA entered into a new Commercial Lease No.Q13C301. In addition, the NWB issued an amended Type 'B' Licence 2BB-MRY1114 (Amendment No.1) on December 4, 2013, which reflects revised scope and associated security that remains under this licence after the issuing of the Type "A" Water Licence in July 2013.

The new Type B Water Licence (8BC-MRY1314) was requested and granted on May 25, 2014, to allow for site preparation, including the construction of limited infrastructure, in anticipation of receipt of a Type "A" Water Licence that was expected in July 2013. Site preparation activities were supported by the ongoing operation of the Mary River Mine Site Exploration Camp and Milne Port site camp facilities including existing accommodations complexes, sewage treatment plants, incinerators, landfill, wastewater treatment and other facilities regulated under the existing Type "B" Water Licence (2BB-MRY1114). Minor construction activities were authorized during the period prior to receiving the Type 'A' Water Licence in July and included routine maintenance of the Tote Road, the start of development of Quarry Q1 to generate crushed and screened aggregate for the development of Milne Port site (pre-packaged explosives provided via air lift), earthworks/site preparation using equipment already on-site, construction of an additional 5ML fuel tank within the existing secondary containment, and the construction of a second PWSP pond at Milne Port. In addition, during this period, conditional approvals were received from the QIA under Commercial Lease Q10C3001 that allowed for operation and extraction of materials from new Quarries Q1 and QMR2 and conducting other specified short-term activities.

Upon receipt of the Type "A" Water Licence (2AM-MRY1325) on July 23, 2013 additional construction activities commenced at the Mary River Mine Site, the Tote Road, and Milne Port. At the Mary River Mine Site these approved activities consisted of the further development of the quarry QMR2 to generate crushed and screened aggregate; the further development of equipment laydown areas and equipment parking; the construction and commissioning of a steel tank bulk fuel storage facility consisting of four (4) x 500,000L P-50 steel fuel tanks and a fuel dispensing system within an engineered secondary containment structure; and, the installation of a 210 person camp facility including the sewage treatment plant, potable water treatment system, and incinerator. At the end of 2013, the installation/construction of the accommodation complex, office facilities, concrete batch plant, maintenance shop, emergency response building, trade shop(s), warming shed(s), warehouse(s), and administration building(s), were underway but not complete and most of the above mentioned facilities were in commissioning process.

At the Tote Road, approved activities occurring during the 2013 consisted of the required ongoing maintenance and repairs to the Tote Road between Milne Port and the Mary River Mine Site to support transport of fuel, supplies and Tote Road related permit requirements in a effort to reduce the potential for adverse environmental impacts; the development of laydown areas and associated storage of explosive magazines; follow-up activities as required pursuant to the Fisheries Authorization for the Tote Road No-Net-Loss and Monitoring Program, QIA lease, AANDC land permit and quarry permit(s); and alignment

corrections to improve sight distance and reduce potential road/vehicle departures by improving curves and reducing grades for heavy truck loads.

At Milne Port, upon receipt of the Type "A" Water Licence, construction activities consisted of the continued development of the Quarry Q1 to generate crushed and screened aggregate; the development of equipment laydown areas and equipment parking; the construction and commissioning of a steel tank bulk fuel storage facility consisting of two (2) x 12ML P-50 diesel fuel steel tanks, three (3) x 0.75 ML Jet-A fuel steel tanks, a fuel dispensing system, and a engineered secondary containment structure; the installation and commissioning of a 120 person camp facility including a sewage treatment plant, potable water treatment plant, and incinerator; and the installation of a maintenance shop, emergency response building, trade shop(s), warming shed(s), warehouse(s), administration building(s) and field office(s).The Milne Port site bladder bulk fuel storage facility was decommissioned in 2013 including the removal of bladders from site for off-site disposal and contaminated soil excavation from the former containment structure which was transferred to an engineering lined containment for future on-site treatment in a landfarm facility. The removal of the bladders off-site coincided with the hazardous waste and materials collection from the Project that were packaged, stored, and manifested at Milne Port for sealift back haul. A quantity of residual waste oil and oily water was also backhauled via sealift from the bladder farm facility prior to the commencement of decommissioning activities.

The 2013 Project sealift occurred between July and October 2013 and consisted of ten (10) sealift vessels which offloaded consumables, buildings, equipment and materials required for the execution of construction and operational activities at the Mary River Mine Site, Tote Road, and Milne Port. Consumables, buildings, equipment and materials received at Milne Port during the sealifts were destined for the Mary River Mine Site and were transported via truck on the Tote Road. The 2013 Project sealift also consisted of the receipt of 34 ML of P-50 diesel fuel and 2.25 ML of Jet-A fuel via two (2) ship-to-shore floating hose fuel transfers in August and October to the Milne Port fuel steel tank bulk fuel storage facility. Fuel required for construction and operation at the Mary River Mine Site was transported via tanker truck from the Milne Port steel tank bulk fuel storage facility to the existing bladder farm at the Mary River Exploration Camp because the newly installed steel tanks were not commissioned in 2013. The 2013 Project sealift also consisted of backhaul of equipment no longer required on-site, the backhaul of waste/material transport to Southern Canada for disposal processing, and, during the August fuel delivery, the backhaul of 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility for destruction at a licensed facility in Southern Canada.

In 2013, in addition to the planning, site preparation, and construction activities undertaken, Baffinland informed the Nunavut Impact Review Board (NIRB) on January 13, 2013 that due to various business drivers, Baffinland was proposing to make changes to the schedule and specific activities in the initial stages of the development associated with the Approved Mary River Project (Project Certificate No. 005). The proposed changes consist of the re-introduction of shipment of up to 3.5 Mt/a ore via Milne Port, road transport of ore from the Mine Site to Milne Port via the Tote Road, and the deferral of the full scale development of the Approved Project (18 Mt/a production, with railway link to Steensby Port and the development of Steensby Port).

An Addendum to the Final Environmental Impact Statement was submitted in June 2013, which started a 60-day review period. Baffinland responded to parties' technical comments on November 15, 2013 and technical meetings took place in Iqaluit November 26th-28th, 2013. Final submissions by parties were forwarded to NIRB January 13, 2014 and final hearings took place in Pond Inlet from January 27th-31st,

2014. In March 2014, the Nunavut Impact Review Board recommended that the federal government approve the new Project with conditions and forwarded the recommendation to the Minister of Aboriginal Affairs and Northern Development (AANDC) for approval.

On September 6, 2013 Baffinland and the Qikiqtani Inuit Association ("QIA") signed the first Inuit Impact Benefits Agreement ("IIBA") of its kind for the Mary River Project in North Baffin Island, Nunavut. The IIBA applies in particular to Inuit the communities of Pond Inlet, Igloolik, Clyde River, Hall Beach and Arctic Bay (collectively referred to as "North Baffin") as well as to all other Baffin Inuit that are represented by the QIA. This was a historic signing in collaboration and for mutual benefit of the QIA and Baffinland. At this time, Baffinland Commercial Lease Q13C301 came into effect as well, transitioning from Baffinland's previous Commercial Lease (Q10C3001).

In 2013, Baffinland maintained and continued to operate community liaison offices in Iqaluit, Igloolik, Pond Inlet, Clyde River, and Hall Beach and the role of Baffinland's Community Liaison Officer (BCLO) developed further as a BCLO was present in each of the communities including Arctic Bay, Clyde River, Hall Beach, Igloolik, and Pond Inlet In Iqaluit, Baffinland's Northern Affairs Manager oversees the Nunavut business office and the network of liaison officers. The BCLOs have a wide range of responsibilities, encompassing offering information to the communities on available jobs, informing interested parties how to get hired at Baffinland, offering assistance with completing a resume, new hire paperwork and understanding site flight charter schedules, helping with training opportunities such as Work Ready Training, providing updates on the progress at Mary River, and generally acting as a liaison between the local people and the Company.

Community and government consultation also continued with a very high level of effort in 2013. Meetings were held with the public, local hamlet officials, local HTOs, local QIA representatives, and/or others in the communities of (listed alphabetically): Arctic Bay, Clyde River, Hall Beach, Igloolik and Pond Inlet (Refer Table 10.1). Baffinland also brought local community and government representatives to visit the operations at the Mary River Project. Baffinland continued to include various agencies and Inuit in the development of monitoring and mitigation strategies, by means of the various QIA technical working groups.

Baffinland continued to undertake surface mineral exploration programs and activities in support of advancing its Mary River Exploration Project in 2013. During the 2013 exploration field season an expansive geology and geophysics program was performed across the company's claim groups and Exploration Agreement (EA) parcel located northeast, east and southeast of the Steensby Port camp site (refer to Figure 1.2). Due to the proximity of the Steensby Port site to the majority of claim blocks that were the focus of the field season, accommodation and support was provided from the Steensby camp, rather than from the Mary River Mine Site.

The mineral exploration field programs included property and regional scale reconnaissance prospecting, surface sampling, portable XRF traverses, property scale mapping, ground gravity and magnetic surveys, and a helicopter traverse program. In addition to the routine exploration program, the Baffinland Exploration department has supported several undergraduate and graduate thesis projects across the Mary River district. This work continued during 2013 and included focused geophysical modeling at Deposit No. 4, research on the origin of the "ore zone schist" at Deposits No. 1 through 5, and interpretive work on newly defined prospects in the Eqe Bay Fold belt.

During 2013, there was no exploration drilling programs undertaken as in previous years. However, a summary of previous exploration drilling that was conducted in previous years is provided in Table 1.2.

Ongoing environmental field, engineering studies, involving baseline and engineering data collection were conducted during 2013 in accordance with the commitments made in the Final Environmental Impact Statement (FEIS) and approved Project Certificate. This included a limited geotechnical drilling program during December 2013 to support engineering design at Milne Port. (refer to Table 1.3 and Figure 1.8).

Other focuses during 2013 included ongoing compliance with applicable regulatory permits as well as continued progressive reclamation of areas of current and past use in association with the exploration, geotechnical, and bulk sample programs. The 2013 environmental and engineering studies field programs were executed during the late spring and open water season (May to September). Mid Rail Camp was unoccupied during 2013 and Steensby Port camp was occupied for the June to September period to support the geology and geophysics program and ongoing collection of terrestrial, aquatic, and marine baseline data.

The approved, non-hazardous landfill at the Mary River Mine Site continued to be utilized and refuse generated at both the Mary River Mine Site and Milne Port were sorted and properly disposed of in the landfill.

Site layouts of Milne Port , the Mary River Mine Site, Mid Rail and Steensby Port sites are shown on Figures 1.3, 1.5, 1.6, and 1.7, respectively.

For the purposes of further context, the Board and QIA are directed to an Annual Report submitted to the Nunavut Impact Review Board[1].

1.3 SUMMARY OF PROJECT PLANS FOR 2014

The 2014 Work Plan (see Appendix C) was prepared and provided to relevant parties on October 31, 2014 as required under Section 6.1 of the Commercial Lease, No. Q13C301 and under the Type “A” Water Licence (2AM-MRY1325), Part J, Item 3. The 2014 Work Plan describes the planned continued development and construction of infrastructure required at Milne Port, the Tote Road, and the Mary River Mine Site for the development of the Mary River Project.

Continued development and construction of infrastructure in 2014, at each major project site, includes:

Milne Port:

- Construct remaining earth/rock fill for laydown areas, the concrete batch plant pad, and local site roads within the Milne site not completed In 2013;
- Complete the installation of the Emergency Services building;
- Install services maintenance buildings Including the Concrete Batch Plant Building, Milne Maintenance Building, Milne Workshop office, Milne Welding Shop and workshop office;
- Complete the installation of the Power and Generation systems;

[1] 2013 Annual Report to the Nunavut Impact Review Board (NIRB). Prepared by Baffinland Iron Mine Corporation, submitted March 31, 2014.

- Continue to Install Project Wide Communication and IT Infrastructure;
- Construct and commission one 12 ML P-50 diesel fuel steel storage tank and one 750,000 Jet-A fuel Storage Tank into existing engineered containment;
- Construct Hazardous Waste Containment Area(s) for storage of hazardous wastes;
- Construct the Landfarm contaminated soil disposal facility, contaminated snow dump and containment pads;
- Continued development and construction of infrastructure required at Milne Port.

Tote Road:

- Ongoing alignment corrections to improve sight distance, reduce steep grades and reduce potential road/vehicle departures by improving curves and reducing grades for heavy truck loads
- Modify and/or upgrade water crossings (culverts and bridges), Including of removal of sea can bridges
- Installation of culverts as required
- Crush material as required, haul place and compact new rock fill per design
- Installation and maintenance of erosion control measures
- Construct ditches with riprap as required
- Commence the development of Quarries Q7, Q11, Q19, Q1D1, Q1D2, and borrow pits P1,, Km 97, Km 98, Km 1/2 and Km 103/104 to provide access to aggregate for upgrades
- Construct abutment and approach areas at four major river crossings
- Install four single span bridges four major river crossings to replace existing seacan crossings.

Mary River Mine Site:

- Construct, install and grade Waste Rock Haul Road, Waste rock pad, drainage ditches and settling pond
- Construct crusher pad, ore stockpile pad area, drainage ditches and settling pond for mining operations
- Receive mobile equipment for materials handling, maintenance and site services
- Install and commission emulsion plant
- Construct Pit 1 Haul Road.
- Commence development of the preliminary Deposit No,1 pit benches
- Install and construct a permanent Pit Office Building
- Set up crushing and screening mobile equipment
- Erect and Install concrete batch plant

- Upgrade (extend) the Mary River airstrip, operate a temporary ice strip at David Lake during the winter/spring period while the upgrades to the airstrip are underway
- Install aerodrome office, field electrical centre, airfield lighting and visual aids as well as power generation and fuel supply systems
- Installation and commissioning of services buildings including: maintenance shop, warehouse, welding shop, workshop and washer buildings
- Install power generation systems
- Continued development of the quarry QMR2 at Mine Site and commence development of quarries D1Q1 and D1Q2
- Transfer fuel from Milne Port tank bulk fuel storage facility to newly installed steel tank bulk fuel storage facility at the Mary River Mine Site.

The main regulatory instruments that permit the 2014 Work Plan activities include the Project Certificate No. 005, Type A Water Licence (2AM-MRY1325), Type B Water Licence (2BB-MRY1114) which is currently in the renewal process, QIA Commercial Lease Q13C301 and Class A Crown Land Use Permits, N2007F004 and N20060036, and Quarry Permit, 2013QP0086. Should any additional authorizations, permits, licences land leases etc, be identified as required from the NWB, the DFO, the QIA, AANDC or others, Baffinland will proceed under the conditions provided if authorizations were to be granted by the respective agency.

The continued development and construction of the site as described above and in the 2014 Work Plan will require a 2014 sealift. It is expected that sealifts will occur during open water (approximately between July 15th and October 15th 2014). An estimated seven (7) vessels (dimension of barges approximately 35 m x 140 m) will be necessary to transport the equipment and material required for the execution of the 2014 Work Plan activities. Material, equipment, fuel and supplies required for construction activities at the Mary River Mine Site and the operation of the Mary River Mine Site facilities will be transported to the Mary River Mine Site via the Tote Road year round.

During 2014, there will be ongoing surface exploration, including drilling, on Baffinland's exploration lands and geotechnical drilling and surveys at project development areas, specific details with regards to scope and locations have yet to be determined. Ongoing environmental baseline data collection and engineering studies, and geophysical surveys will be undertaken to sustain the development of the Project. These activities will resume at Milne Port, along the Tote Road, at the Mary River Mine Site, at Steensby Port, and at other Project development areas as required and approved under project authorizations. Seasonal occupation of Steensby Port and Mid-Rail Camps may also be required for support. Fixed wing aircraft and helicopter to support general site activities will be required.

During 2014, there will also 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 for 2014 include the follow activities:

- Implementation of an action plan, developed and submitted in 2013, to address concerns from stakeholders about long term salt storage
- Implementation of a program to dispose of existing inventory incinerator bottom ash and the implementation of a plan to manage and dispose of ash being generated on an ongoing basis

- Completion of the ongoing decommissioning of the existing bladder bulk fuel storage facility at Milne Inlet. Work includes the transport of hydrocarbon impacted soils to the planned landfarm facility and the operation of that facility.
- Continue the development and implementation of a long term multi-year plan to address localized areas of permafrost melting associated with current borrow areas along the Milne Inlet Tote Road, and taking into consideration the longer term designs for the Tote Road upgrades and new quarry development plans
- Demobilization of equipment and supplies not required for near term activities, as well as current inventories of hazardous waste and other materials by means of sealift from Milne Port
- Continued development and expansion of the Mary River Mine Site landfill and deposition of non-hazardous wastes in accordance with the landfill operations and maintenance manual and other Project approvals
- Discharge of treated sewage stored in existing PWSPs at the 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
- Accessible areas that have been contaminated by hydrocarbons from normal fuel transfer, handling and storage activities will be reclaimed to meet objectives as outlined in the Government of Nunavut's Environmental Guideline for Site Remediation, 2010. The use of reclaimed soils for the purpose of back fill or general site grading may be carried out

The Project site will continue to achieve compliance with the various regulatory requirements, and maintain community relationships. Environmental monitoring in accordance with the approved environmental management monitoring and mitigation plans will continue during 2014. Archaeological surveys at project component areas will be performed as required. In the event the Project does not advance, all work items described and constructed as per the 2014 Work Plan will be subject to reclamation, as per relevant regulatory and permit obligations.

It should be noted, and as discussed in Section 1.2, given that the proposed Early Revenue Phase (ERP) is currently under review, certain activities proposed in the 2014 Work Plan are not authorized to be performed in 2014 until Baffinland's ERP is approved. An Addendum to the Final Environmental Impact Statement was submitted in June 2013 and final hearings took place in Pond Inlet from January 27th-31st, 2014. Baffinland is currently awaiting the Nunavut Impact Review Board's recommendation to the Minister of Aboriginal Affairs and Northern Development. If Baffinland Early Revenue Phase was to be granted approval by the Nunavut Impact Review Board and the Government of Canada, additional activities development and construction of infrastructure would be performed in the 2014. These activities include:

- Construction of a causeway and ore dock that will extend into offshore waters at Milne Port. The causeway and ore dock platform will be built up with aggregate and suitable dredged material
- Limited dredging, as required, to maintain the required vessel draft depths and for placement of caissons in the location of the dock. Dredge material to be deposited near shore in an area demarcated for this activity adjacent to the causeway location. If dredge material is not suitable for re-use to build up the causeway, then the dredge material will be deposited near shore in an area demarcated for this activity.

- Construct concrete and steel pile foundations onto the rock filled causeway and ore dock to support the ship loader and related ship loader facilities
- Install two mooring buoys or dolphins
- Install and commission the ship loader onto the are dock foundations (this work is expected to continue into 2015)
- Construct and commission an ore stockpile pad at Milne Inlet
- Install and commission the ore stacker reclaim conveyor system within the ore stockpile pad
- Construct stockpile settling ponds.

For the purposes of further context, the Board is directed to the 2014 Work Plan (Baffinland, October 2013) in Appendix C.

SECTION 2.0 - WATER USE AND WASTE DISPOSAL ACTIVITIES

2.1 WATER USE

During 2013, water was withdrawn and used at Milne Port, Mary River Mine Site, and Steensby Port under authorization of the existing Type "B" Water Licence (2BB-MRY1114) until July 2013. On July 23, 2013, authorization to withdraw and use water at Milne Port, Mary River Mine Site, and Steensby Port was transitioned to the Type "A" Water Licence (2AM-MRY1325), which was the governing licence for withdrawing and using water for those sites for the remainder of 2013. The Type "A" Water Licence incorporated the entire scope of the Type "B" Licence (8BC-MRY1314) issued for the Mary River Site Preparation Project and the scope of Type "B" Licence 2BB-MRY1114 issued for the Mary River Project exploration and bulk sampling programs, excluding the activities and facilities outlined in the Application. As per Type "A" Water Licence (2AM-MRY1325) condition, Part B, Item 2, in cases where there were conflicts between the Type "B" Water Licence and the Type "A" Water Licence, Baffinland proceeded with the terms and conditions of the Type "A" Licence.

Under both the Type "B" Water Licence (2BB-MRY1114) and Type "A" Water Licence (2AM-MRY1325) fresh water was withdrawn during 2013 to sustain two key activities: potable water supply for camp use, and for miscellaneous (other) uses. Water supply was not used during 2013 for exploration or geotechnical drilling operations. The following sections describe water use and the associated sources thereof authorized under the Type "B" Water Licence (2BB-MRY1114), and subsequently, the Type "A" Water Licence (2AM-MRY1325).

2.1.1 Methods of Obtaining Freshwater for Potable Use and Quantities of Water Used

Under Type "B" Water Licence (2BB-MRY1114), Part B, Item 6 (a) and Type "A" Water Licence (2AM-MRY1325), Part E, Item 3, fresh water for domestic camp use and other purposes was obtained for Mary River Mine Site, Milne Port, and Steensby Port in 2013. Approved water intake locations for Milne Port, Mary River Mine Site, Mid Rail Camp and Steensby Port are shown on Figures 1.4, 1.5, 1.6 and 1.7 respectively.

Potable water supply from Inuit-Owned Lands (IOL) for the Mary River Mine Site camp(s) was obtained using an electric pump positioned adjacent to the shoreline of Camp Lake (MRY-1/MS-MRY-1) in 2013. Water was pumped directly from the lake source to water storage tanks located at the exploration camp (see Figure 1.5).

In 2013, potable water was supplied to the Milne Port camp utilizing a water truck to deliver water to the camp(s) via the Milne Inlet Tote Road from a location at km 32 lake (MRY-3 / MS-MRY-3) (see Figure 1.4, MRY-3 / MS-MRY-3).

During 2013, Steensby Port camp potable water came from an unnamed lake approximately 3 km east of the camp located on Crown Lands. During this period, potable water was supplied to the camp from the above referenced lake by means gas powered pumps and plastic pipe supply line, and on occasion via the use of helicopter transport and bambi bucket (see Figure 1.7).

Mid Rail camp was unoccupied during 2013. When the camp is occupied, potable water is supplied from an unnamed lake adjacent to the camp (see Figure 1.6).

Prior to consumption, potable water was treated with filtration and UV disinfection at the Mary River Mine Site exploration camp(s), Milne Port camp(s) and Steensby Port camp. Chlorination was subsequently added to the processes for the temporary Matrix Camp and permanent camp constructed at Milne Port. Pump intakes were screened in accordance with the Department of Fisheries and Oceans Freshwater Intake End-of-Pipe Fish Screen Guideline[2] (DFO Guideline) to prevent entrapment of fish as per Part C, Item 5 of the Type "B" Water Licence (2BB-MRY1114) and Part E, Item 6 of the Type "A" Water Licence (2AM-MRY1325).

In 2013, most fresh water was withdrawn and used for domestic potable purposes project-wide. Limited industrial (other) applications of fresh water use in 2013 consisted of:

- Fire suppression at Mary River Mine Site which required 6.8 m^3 of fresh water usage on September 15, 2013 and 7.9 m^3 of fresh water usage on October 21, 2013
- Fresh water use for steam production during the freshet management program from May 16 to June 21, 2013 which required a total of 345.8 m^3 of fresh water usage
- The seeding and commissioning of the new Sewage Treatment Facility at the Mary River Mine Site permanent camp on October 8, 2013 which required 37.9 m3 of fresh water usage
- Dust suppression at Milne Port on August 15, 16, 17, 18, 20, and 27, 2013 totalling a combined 48.1 m^3 of fresh water usage.

In 2013 there was no exceedance of the allowable 60 m^3/day daily water withdrawal limit for camp use under Type "B" Water Licence (2BB-MRY1114) from January 1 to July 22, 2013.

There was a single daily exceedance of the allowable 68.5 m^3/day for Milne Port under the Type "A" Water Licence (2AM-MRY1325). On October 25, 2013, 81.0 m^3 of fresh water was obtained from Km 32 Lake. The requirement of the additional volume is attributed to fresh water required for the start of commissioning of the new potable water treatment facility at Milne Port. This exceedance of the allowable daily withdrawal limit was reported to the Board on November 30, 2013 as part of the October 2013 Monitoring Program Report required under Type "A" Water Licence (2AM-MRY1325) Part I, Items 21. It was also reported in separate e-mail to the AANDC Water Resource officer and QIA representative at the time the exceedance was first identified..

Excluding October 25, 2013 at Milne Port, there was no exceedance of the allowable daily withdrawal limit of 68.5 m^3/day, 657.5 m^3/day, and 435.8 m^3/day for Milne Port, Mary River Mine Site, and Steensby Port, respectively, under the Type "A" Water Licence (2AM-MRY1325) from July 23 to December 31, 2013.

The Board is referred to Table 2.1 which summarizes daily, monthly and annual volumes of water (potable and otherwise) from IOL and Crown Lands used in camps during 2013.

[2] Department of Fisheries and Oceans. Freshwater Intake End-of-Pipe Fish Screen Guideline. 1995

2.1.2 Methods of Obtaining Freshwater for Drilling and Quantities of Freshwater Used

No fresh water was used for exploration or geotechnical drilling during the 2013 exploration field season. Fresh water was not used to support the minor geotechnical drill program conducted in December in Milne Port (refer to Table 1.3 and Figure 1.8). Water that was used to support geotechnical drilling was obtained from Milne Inlet, a marine source.

2.1.3 Reclaimed and Recycled Water

There was no recycled or reclaimed water used for any construction activities or other uses in 2013.

2.2 SEWAGE, WASTE AND GREYWATER MANAGEMENT

The existing Type "B" Water Licence (2BB-MRY1114) permitted the generation, storage, and treatment of sewage, at the Milne Port and the Mary River Mine Site during the January 1 to July 23, 2013, period. Under the same authorization, greywater was generated at Milne Port camp (during the off season, January to May) and Steensby Port exploration camp during the summer (June to September). In addition, the generation of waste at Milne Port, Mine Site, and Steensby Port exploration camp were also regulated under the existing Type "B" Water Licence. On July 23, 2013, authorization to generate, treat and dispose of sewage and waste at Milne Port, Mary River Mine Site, Steensby Port and other camps was transitioned to the Type "A" Water Licence (2AM-MRY1325) which was the governing licence for the remainder of 2013. Therefore, from July 23, 2013 to December 31, 2013 sewage was generated, stored and treated at Milne Port and Mary River Mine Site; waste was generated and stored at Milne Port and Steensby Port; and waste was generated, stored, and disposed of at the Mary River Mine Site under authorization of the Type "A" Water Licence (2AM-MRY1325).

2.2.1 Sewage and Grey Water Management

During 2013, mechanical Waste Water Treatment Facilities (WWTFs) serviced the Mary River Mine Site and Milne Port camp(s). Two (2) different technologies were used. The technology used since 2008 at the Mary River Mine Site and Milne Port to treat the influent domestic waste was a fixed-film rotating biological contactor (RBC) followed by ultraviolet disinfection. Similar to previous years, RBCs were operated at both Milne Port and the Mary River Mine Site during 2013 under the Type "B" Water Licence (2BB-MRY1114).

The existing RBC technology was not adequate for the approved Project moving forward, therefore, additional WWTFs were installed at each Milne Port and Mary River Mine Site. The new WWTFs utilized a Membrane Bioreactor (MBR) technology. The MBR treatment plants each consist of up of six (6) sea cans, each seacan housing a separate process. These processes include:

- The influent pre-treatment, which consists of screeners that remove large solids in the incoming wastewater
- The influent equalization, which is where the screened sewage is stored and aerated to suspend broken up solids,
- The mixed liquor and return activated sludge process, which is housed in the aeration tank where the biological breakdown of the wastewater occurs.
- The chemical addition process for control of pH, ammonia, and phosphorous

- The membrane bioreactor/water separation process, which is the heart of the entire process, where the water molecules are separated from the return activated sludge
- The disinfection process, which is achieved by pumping effluent from the MBR tanks through two ultraviolet lights in series to sterilize any possible pathogens that made it through the membrane process (also contained in this process is the ability to chlorinate and dechlorinate any effluent in the event of a membrane malfunction or breakthrough).
- The effluent storage system, where the treated effluent is stored for removal, by means of effluent pumps or by vacuum truck withdrawal
- Sludge removal system, which is necessary to control the solids build-up in aeration process, involving the addition of polymer to the waste sludge to bind the solids together and force them through a screen prod, creating a dried "cake", which is then collected and brought to the incinerator for disposal.

The new MBR technology is able to treat, the influent domestic waste to criteria stipulated by the water licence(s) and target levels presented in the approved *Fresh Water Supply, Sewage and Wastewater Management Plan*[3] under the Type "A" Water Licence (2AM-MRY1325). The RBC technology used by the existing sewage treatment plants at Milne Port and the Mary River Mine Site is less robust and less able to meet water licence criteria. Therefore, to remain conservative during the transition period between the RBC technology and the commissioning of the new MBR plants, treated effluent discharge from those facilities was directed exclusively to the on-site polishing waste stabilization ponds (PWSPs. At both Mary River Mine Site and Milne Port, PWSPs are in place to receive treated sewage effluent not meeting criteria for direct discharge to the receiving environment. The use of PWSPs allows for confirmatory testing and, if required polishing treatment, prior to final discharge to Milne Inlet at Milne Port or direct discharge to Sheardown Lake at the Mary River Mine Site. It should be noted in order to ensure capacity was available due to increased influent domestic waste treatment demands at Milne Port and to maintain a conservative approach; Baffinland has constructed and commissioned an additional PWSP at Milne Port. See Appendix D.1 for the Construction Summary Report for the Milne Port PWSP constructed in 2013 as required by the Type "A" Water Licence (2AM-MRY1325), Part D, Item 18 as submitted to the Board on December 19, 2013.

During 2013, to allocate capacity and maintain conservatism across sites, inter-site PWSPs transfers of treated sewage effluent were required from time to time. These transfers consisted of 362.4 m^3 and 147.7 m^3 of treated sewage effluent transferred from the Milne Inlet RBC (MRY-5/MP-MRY-4) to PWSPs at the Mary river Mine Site (MRY-4a/MS-MRY-4a) in July and September, respectively, and a transfer of 57.0 m^3 of treated sewage effluent from the PWSP at Milne Inlet (MRY-5a / MP-MRY-4a) to the PWSP at the Mary River Mine Site in July 2013.

Although the two (2) WWTFs utilizing RBC technology and the Mary River Mine Site WWTF utilizing MBR technology discharged exclusively to respective PWSPs in 2013, the Milne Port WWTF utilizing MBR technology commenced direct discharge to Milne Inlet (MP-1) on October 10, 2013. Direct discharge to the receiving environment commenced only once treatment was working effectively and treated effluent was

[3] Baffinland Iron Mines Corporation – Mary River Project: Fresh Water Supply, Sewage and Wastewater Management Plan Appendix 10D-3, dated January 2012. Plan approved by the NWB on July 23, 2013.

confirmed, by both internal field monitoring and external laboratory analyses, to have met all discharge criteria established in Type "A" Water Licence (2AM-MRY1325) Part F, Item #19. Subsequent to October 10, 2013 the Milne Port WWTF utilizing MBR technology discharged exclusively to Milne Inlet (MP-1) for the remainder of 2013. Tables 2.6 and Table 2.7 of this report provide the water quality chemistry and toxicity results (respectively) for sewage treatment plant facilities in 2013. All toxicity testing results from sewage treatment facilities and PWSPs were reported as non lethal.

Throughout the summer season of 2013, the treated effluent contained in the existing PWSP's at Milne Port and Mary River Mine Site was sampled for water licence effluent discharge parameters. When treated effluent was confirmed to meet the effluent discharge criteria the following discharges occurred:

- At Milne Port, 245.1 m^3 of treated effluent was discharged from Milne Port PWSP (MRY-5a) in to Milne Inlet in June 2013
- At the Mary River Mine Site, 2,444 m^3 of treated effluent was discharged from Mary River PWSPs (MRY-4a) to Sheardown Lake in June 2013
- At the Mary River Mine Site, 1271.1 m^3 of treated effluent was discharged from Mary River PWSPs (MS-MRY-4a) to Sheardown Lake in August 2013.

During the pre-July 23, 2013, period, all effluent discharged from the PWSPs to receiving environments met Type "B" Water Licence (2BB-MRY1114) discharge criteria established under Part D, Items #13 and Part D, Items #14, for the Mary River Mine Site and Milne Port, respectively. Subsequent to July 23, 2013, effluent discharged from the PWSPs met Type "A" Water Licence (2AM-MRY1325) discharge criteria established under Part F Item #18 and Part F Item #19, for Mary River Mine Site. There was no discharge from the PWSPs to Milne Inlet under the Type "A" Licence during 2013. In all cases, discharge effluent quality was confirmed using both internal and external sampling results and followed established QA/QC procedures prior to discharge. The Water Licence monitoring programs require the monitoring of sewage effluent quality and quantity discharged to the receiving environment.

At Steensby Port exploration camp, operated from June through September, 2013, latrine toilets were utilized. Latrine toilets were also used at Milne Port prior to May 2013, when that site was operated on a care and maintenance basis and camp numbers were low. Wastes collected were either disposed of in the camp incinerator (Pacto System at Milne Port) or stored in overpack drums. Overpack drums with sewage wastes are sealed, and stored in lined containment structures until they are sent off-site for disposal in Southern Canada on the periodic sea lift backhaul.

An ambient water quality monitoring program for Sheardown Lake, David Lake, Mary Lake, and Camp Lake was conducted during the late spring (under ice) and summer. The results of that program indicated that water quality parameters were similar to previous years and pre-discharge baseline conditions.

Small quantities of grey water were generated at Milne Port during the off season and at the Steensby camp during the April to September period when the camp was occupied. At Milne Port, grey water was directed to a small leach pit located adjacent to the tent camp. The small amount of grey water generated at Steensby camp was also directed to a leach pit located adjacent to the tent camp during the period of operation in 2013.

2.2.2 Treated Sewage Effluent Discharged at Wastewater Treatment Facilities (WWTFs)

The monthly and annual quantities of treated sewage effluent discharged at the Mary River Mine Site and Milne Port Camp WTTF's during 2013 are presented in Table 2.3. The treated sewage originated from the following sources (with sample IDs denoted under Type B/Type A Water Licences).

- Mary River Mine Site Exploration Camp RBC Plant (MRY-4/MS-MRY-4)
- Mary River Mine Site PWSP (MRY-4a/MS-MRY-4a)
- Mary River Mine Site MBR Plant (MS-01)
- Milne Port Exploration Camp RBC (MRY-5/MP-MRY-4)
- Milne Port Exploration PWSP (MRY-5a/MP-MRY-4a)
- Milne Port MBR Plant (MP-01).

2.2.3 Sludge Removed From WWTFs

During 2013, sludge was removed periodically from the Mary River Mine Site and Milne Inlet RBCs and transferred to the PWSPs at the respective sites. The volume of removed sludge in both cases is provided in Table 2.3. Sludge from the new MBRs is dry and incinerated in the new camp incinerators.

2.2.4 Solid Non-Hazardous and Hazardous Waste Management

Camp Incinerators

In 2013, both the existing Mary River Mine Site incinerator and existing Milne Inlet incinerator were operated regularly throughout the year. The Steensby Port incinerator was operated from June to September, when the camp was temporarily opened to support the mineral exploration and baseline data collection programs. These are the same incinerators that have been operated since 2008 during the exploration phase of the Mary River Project.

Incinerator testing at the existing Mary River Camp incinerator during 2007 and 2009 indicated elevated levels of dioxin and furans above CCME guidelines, although these levels were likely similar to other remote mining sites in Northern Canada. Baffinland has worked to address the situation. In 2010, Baffinland retained RWDI Air Inc. to conduct a review of incinerator results to that date and to provide recommendations. Based in part on those recommendations, site operational experience to date, and considering operational requirements moving forward Baffinland installed and commissioned two (2) new containerized, custom- sized, two-stage, controlled air, batch style incineration systems at each the Mary River Mine Site and Milne Port in 2013. These incinerators are specifically designed for northern remote camp operations and to comply with the Environmental Guideline for the Burning and Incineration of Solid Waste[4] and all as regulatory guidelines including Canadian Wide Standard (CWS) for Mercury and Dioxin/Furan point source air emissions.

[4] Government of Nunavut - Environmental Guideline for the Burning and Incineration of Solid Waste by the Department of the Environment, 2012

The new incinerators achieve point source air emission objectives through a design that provides consistent two stage incineration at high temperatures. In the first stage, the wastes are converted into burnable gases in the primary chamber at approximately 650-850 ºC. At this temperature, any potential infectious material is destroyed. This process is self fuelling until the mass is reduced by at least 90%. During the second stage of the incineration process, the gases generated in the primary chamber enter the secondary chamber. The secondary chamber is oxygen rich with turbulent conditions. The temperature in the second chamber is greater than 1000 ºC. Combustion is complete after a minimum one (1) second retention time however design allows for up to two (2) seconds retention time. Due to these conditions, the hot gases are completely converted into water vapour and carbon dioxide, which is then released into the air.

To ensure that the new incinerators at the Mary River Mine Site and Milne Port are operating as designed, continuous process monitoring is conducted during incinerator operations that monitor temperature in the primary chamber, secondary chamber and stack; system pressure and draft; and opacity. As per Environmental Guideline for the Burning and Incineration of Solid Waste[5], section 4.3 "Commercial Camps" lists the monitoring and control systems required as "key operational parameters must be monitored using on-line instruments capable of continuously measuring the combustion process and stack emissions quality." As an additional measure to ensure emission objectives are met, Baffinland retained A. Lafranco & Associates Inc. to perform emission compliance surveys or stack tests on the newly installed Milne Port Incinerator in October 2013 and the new Mary River Mine Site incinerator in December 2013. Refer to the 2013 Annual Report to the Nunavut Impact Review Board (NIRB)[6] for further details and discussion of results.

In 2013, residual bottom ashes from the incineration process in the newly installed incinerator at Milne Port were tested using Toxicity Characteristic Leaching Procedure (TCLP) analysis, as required by Type "A" Water Licence (2AM-MRY1325), Part F, Item #8. The goal of the TCLP analysis was to verify that deposition of residual bottom ashes in the Mary River Mine Site landfill from a typical waste stream using the new incineration technology would not generate leachate at concentrations above water licence water quality criteria. TCLP analytical results for composite ash samples collected over multiple burn cycles and various load compositions were found to be acceptable in comparison to relevant guidelines. Therefore, residual bottom ash produced by the new incinerators was therefore found to be suitable for deposition in the Mary River Mine Site Landfill. Although TCLP testing on residual bottom ash demonstrated no leachate potential, if standards are not met in future, ash shall be treated on-site (if possible) or shall be transported for offsite disposal at a licensed facility in Southern Canada. Refer to Appendix E.2 for the Baffinland Incinerator Ash Testing Results.

Other Waste Management Initiatives

During 2013, frequent training sessions were provided for all on-site personnel so that they could become more familiar with Baffinland's waste management strategy and procedures. In addition, every employee on-site receives this information during their initial site orientation.

[5] Government of Nunavut - Environmental Guideline for the Burning and Incineration of Solid Waste by the Department of the Environment, 2012

[6] 2013 Annual Report to the Nunavut Impact Review Board (NIRB). Prepared by Baffinland Iron Mine Corporation, submitted March 31, 2014

The recovery of energy from waste is an important initiative to minimize the generation of waste. As camp sites are dependent on diesel fuel transported to site via tankers, energy produced from waste materials can reduce reliance on diesel and by reducing waste shipments and disposal requirements. The largest source of energy recovery from waste is from waste diesel or aviation fuels, which are used as heating fuels for some facilities at the Mary River Mine Site and Milne Port. In addition, the newly installed incinerators at Mary River Mine Site and Milne Port utilize a waste oil burner in an effort to dispose of some of the waste oils available at each location and function as a fuel source to operate the incinerator systems. This burner will not only dispose of the waste oils in an environmentally sound manner, but will also decrease the daily operating costs, by decreasing the amount of diesel fuel consumed.

As in previous years, dedicated waste sorting locations are established in lined containment areas at the Mary River and Milne Inlet Camps to ensure adequate and secure segregation of waste materials. In 2013, Baffinland also began the construction of two (2) heated and enclosed Waste Management Facilities (WMFs). There are WMFs planned at each of the Mary River Mine Site and Milne Port. These WMFs provide a dedicated sorting location for waste streams year-round, minimizing contamination in the disposal streams. WMFs also function to house other waste handling equipment and activities (i.e. sorting area, drum crusher, aerosol de-pressurizer etc.) as well as access to the incinerators critical components for maintenance and repair needs. Construction of the WMFs was ongoing at end of 2013.

Non Hazardous Landfill

The approved non-hazardous landfill facility at the Mary River Mine Site was opened from May to December during 2013. Debris consisting of inert materials that was generated by overall activities was sorted and disposed of in the landfill facility in accordance with the approved landfill operations manual. The key points regarding waste segregation and procedures related to disposal of inert material in the landfill were routinely communicated to all camp personnel. These training initiatives coupled with periodic landfill monitoring activities were important tools in minimizing environmental incidents related to landfill operations. In addition, a gate installed on the landfill access road restricted unauthorized personnel from having access to the landfill site. As of September 2013, the in-total in situ volume of waste deposited in the landfill was approximately 4,807 m^3. As per section 6.4 of the new Commercial lease No.Q13C301 the approximate quantity of solid non-hazardous waste deposited in the Mary River Mine Site landfill during the October to December period was 1574 m^3. This estimated volume was based on survey data and the methods and assumptions used were similar to those of previous years.

Hazardous Waste Materials Handling and Disposal

In September 2013, there was a sealift backhaul of non-hazardous and hazardous waste materials. Waste materials generated since September 2011 (the date of the last backhaul) were collected, packaged, and transferred to Milne Port for shipment via sealift to licenced waste receiving facilities in Southern Canada. Hazardous waste and materials from the Project that were packaged, stored, and manifested at Milne Port under the direction of Sanexen Environmental Services Inc. In addition, during the August fuel delivery, 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility was loaded for backhaul from August 13 to 14 for treatment at a licensed facility in Southern Canada.

Non-hazardous waste and hazardous waste materials back-hauled of site in September 2013 regulated by the Transportation of Dangerous Goods Act (TDGA) included:

- Compressed gas cylinders (oxygen, nitrogen)
- Wet-acid batteries
- Waste flammable liquid (fuel mix)
- Waste aerosol cans
- Fire extinguishers (uncharged).

Non-hazardous waste and hazardous waste materials back-hauled of site in September 2013 not regulated by the TDGA included:

- Decommissioned bladders from the Milne Port Bladder Bulk fuel storage facility decommissioning
- Decommissioned hose from the Milne Port Bladder Bulk fuel storage facility decommissioning
- Contaminated oily solids
- Waste oil
- Kitchen grease
- Crushed drums
- Coated wire
- Electrical waste (e-waste)
- Oily Water Separator (OWS) used nanofilters
- Oily Water Separator (OWS) activated carbon
- Oily Water Separator (OWS) clay
- Oily Water Separator waste water
- Waste glycol
- Oil Filters
- Human Waste
- Waste insulation.

Refer to Appendices E.1, E3, and E.4 for more details on Baffinland's waste management program and shipping manifests showing what was shipped offsite during 2013. Appendices E.1 and E.3 also provide certificates of recycling/destruction provided by the waste receivers from Southern Canada.

Additional hazardous waste and waste material (designated for disposal off-site) that was generated subsequent to the 2013 sealift backhaul were sorted and stored in designated areas where it will be packaged and prepared for backhaul during the 2014 sealift.

Hazardous materials and hazardous waste are handled on-site as described in the updated Hazardous Materials and Hazardous Waste Management Plan (BAF-PH1-830-P16-0011).

Figures 1.3, 1.5, 1.6, and 1.7 show the locations for the following waste management facilities at Milne Inlet, Mary River, Mid-Rail, and Steensby Port camps, respectively:

- Camp incinerators
- Landfill and access road
- Lined hazardous waste containment areas.

Table 2.4 provides coordinates for various temporary and permanent waste storage areas used during 2013.

Drill Waste

Limited drilling operations occurred in 2013 on the Mary River Project. Drilling was limited to a small geotechnical drilling campaign at Milne Port to assess subsurface conditions for future project design. No fresh water was used during drilling operations in 2013. Eleven (11) boreholes were advanced, three (3) of which were on land near the Milne Inlet shore and eight (8) located on the sea ice. Drill cuttings that were returned to the surface of the ice were scrapped up with a loader and placed on shore at a distance greater than 30 metres from a water body. The 2013 on-ice and on-land geotechnical drilling details are presented in Table 1.3 and photographs of the on ice drilling operations are presented in Appendix D.3.5.

2.3 WATER QUALITY OF WATER LICENCE MONITORING LOCATIONS

Results from the Water Licence Monitoring Program (Surveillance Network Program or SNP) were provided in monthly reports to the NWB, in accordance with the terms of Type “B” Water Licence (2BB-MRY1114) Part I, Item #19 from January to June 2013 and in accordance to the terms of the Type “A” Water Licence (2AM-MRY1325), Part I, Item #21 from July to December 2013. SNP monitoring locations are presented in Figures 1.3, Figure 1.5 and Table 2.5, and the water quality results for these locations are provided in Table 2.6. As mining operations did not commence in 2013, there was no effluent discharged from Surface Water Management (SWM) Ponds. . Surface Water Management Ponds have not yet been constructed.

2.3.1 Raw Water

The quantity of water used in 2013 and reported monthly to the NWB was measured at each of its sources using flow meters, truck counts, or tank counts depending on the location. The total water used was monitored for compliance with the maximum quantities for various uses stipulated by the Type “B” Water Licence (2BB-MRY1114) Part C, Item #1 from January to July 22 2013 and in accordance to the terms of the Type “A” Water Licence (2AM-MRY1325), Part F, Item #3 from July to December 2013. The importance of water conservation was one area of focus in training and awareness sessions delivered by supervisors to employees and contractors throughout 2013.

Periodic water quality sampling and analyses of potable water sources were undertaken in accordance with applicable health-related potable water quality standards. The qualities of the potable water sources for the Mary River Project were well within applicable potable water standards.

2.3.2 Sewage Disposal

Mary River Camp

During 2013, treated effluent from the Mary River WWTF utilizing RBC technology (MRY-4) continued to be discharged to the Mine Site PWSPs. The Mary River Mine Site WWTF utilizing MBR technology was in start-up mode late in 2013 and did not discharge to the receiving environment. Therefore, the treated sewage from the MBR was also directed exclusively to the polishing waste stabilization ponds (PWSPs) during 2013.

In accordance with the PWSP treatment and discharge strategy as presented in the approved Waste Water Management Plan[7] under the under Type "B" Water Licence (2BB-MRY1114) and the Fresh Water Supply, Sewage and Wastewater Management Plan[8] under the Type "A" Water Licence (2AM-MRY1325), treated effluent stored in PWSPs No. 2 (MRY-4b) and PWSP No. 3 (MRY-4c) was discharged to Sheardown Lake via the constructed pipeline and outfall. Treated effluent from MRY-4b and MRY-4c was sampled during treatment and discharged to Sheardown Lake during June and July in accordance Type "B" Water Licence (2BB-MRY1114) discharge criteria established under Part D, Items #13 in 2013. During late July and August, discharge from the PWSPs to Sheardown Lake were in accordance to criteria established the Type "A" Water Licence (2AM-MRY1325) under Part F, Item #18. During the June to August discharge period, effluent from MRY-4b and MRY-4c was below or within prescribed water licence criteria and was acutely non-toxic[9]. Refer to Table 2.7 which presents Toxicity testing results for 2013.

Milne Port

During 2013, treated effluent from the Milne Port WWTF utilizing RBC technology (MRY-5) was discharged exclusively to the Milne Port PWSPs. In accordance with the PWSP treatment and discharge strategy as presented in the approved Waste Water Management Plan, treated water stored in the Milne PWSP was discharged to Milne Inlet via a drainage ditch to Milne Inlet in June. Effluent discharged from the PWSP in June met Type "B" Water Licence (2BB-MRY1114) discharge criteria established under Part D, Items #13.

The Milne Port WWTF utilizing MBR technology commenced direct discharge of treated sewage effluent to the receiving environment (Milne Inlet, MP-1) on October 10, 2013. Direct discharge to the receiving environment commenced only once treatment was working effectively and treated effluent was confirmed, by both internal and external results and following established QA/QC procedures, to have met all discharge criteria established in Type "A" Water Licence (2AM-MRY1325) Part F, Item #19. Treated effluent prior to October 10, 2013 from the Milne Port WWTF utilizing MBR technology was discharged to on-site PWSPs, similarly to the other WWTFs on-site. Subsequent to October 10, 2013 the Milne Port WWTF utilizing MBR technology discharged exclusively to Milne Inlet (MP-1) for the remainder of 2013.

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[7] Baffinland Iron Mines Corporation – Mary River Project: Waste Water Management Plan – Revision 2, under Water Licence 2BB-MRY1114, Part D, Item 16, dated March 31, 2010. Plan approved by the NWB on April 5, 2011.

[8] Baffinland Iron Mines Corporation – Mary River Project: Fresh Water Supply, Sewage and Wastewater Management Plan Appendix 10D-3, dated January 2012. Plan approved by the NWB on July 23, 2013.

[9] Toxicity testing samples were collected and analyzed in accordance with Environment Canada's Environmental Protection Series Biological Test Methods EPS/1/RM/13 and EPS/1/RM/14 for acute lethality to Rainbow Trout and Daphnia magna.

Steensby Port

Steensby Port operated in 2013 June through September. Latrine toilets were used (commercially purchased "Pacto" systems) at Steensby Camps when numbers were low. Wastes collected from the "Pacto" system were disposed of in the camp incinerators. During the summer field season when camp numbers were higher, a latrine system involving storage of waste in overpack drums was used. The wastes collected in the overpacks are stored in lined containment structures and are scheduled to be sent off site for disposal in Southern Canada on the next sea lift backhaul.

Refer to Section 2.2.1 for further discussion of sewage disposal at the Mary River Project during 2013.

2.3.3 Storm Water from Containment Areas

Prior to discharge of storm water from the lined containment areas servicing the bulk fuel storage facilities at Milne Inlet and Mary River, the water licence requires that any accumulated stormwater from rain and snow meets specified discharge criteria. Criteria have been established in the water licence to protect receiving waters from the discharge of residual hydrocarbons that may be present.

Similar to previous years, a large volume of stormwater accumulated in the Milne Inlet containment area due primarily to snow melt and summer rainfall. During 2013, a total volume of over 2.4 million litres had collected. This stormwater volume was treated by means of an enhanced oil/water separation system that Baffinland has operated since 2010.

The Milne Oily Water Treatment System (OWS) design utilized during the 2013 operating season as was similar to that used during 2012. The treatment system consisted of a large oil-water separator, a dissolved air flotation cell, a nanofiltration treatment process and adsorptive media filtration. The clay adsorption media and activated carbon adsorption media that were originally specified for treatment were used as the polishing process for the treatment system. The clay and activated carbon adsorption media have been increased in quantity to increase the process flow rate and were employed following the nanofiltration process for redundant treatment of absorbable light phase hydrocarbons. Table 2.2 highlights monthly and annual quantities of treated oily water discharged in 2013.

In late June 2013, the upgraded stormwater treatment system at Milne Inlet Camp commenced operation. The treatment system effectively removed the organic constituents of 'oil and grease' to "non-detect" concentrations which were acceptable for discharge. Periodic scheduled sampling and analysis of the total oil and grease (TOG) concentration of effluent by independent laboratory and daily by means of a field TOG analyser confirmed compliance with the water licence criteria throughout the operating season. Approximately 3,472 m^3 of water was released to the receiving environment (Milne Inlet) via a drainage ditch.

The OWS treatment system worked as designed to achieve a very high quality treated effluent. However, the organic "animal/vegetable" hydrocarbon present in the impacted stormwater acted as a foulant on the nanofiltration membrane and reduced the throughput of the membranes. The foulant became more persistent over the course of the summer as daylight hours and water temperatures increased. The treatment system discharged the impounded melt water from 2013 and managed to treat an additional 1000 m^3 of stored stormwater and residual from the 2012 treatment. The treatment system was shut down on September 6, 2013 due to decreased system throughput and to allow for decommissioning of the Milne

Fuel Storage area. Results indicated no exceedances of discharge limits established in the Type "B" and Type "A" Water Licence for the water licence monitoring location (MRY-7/MS-MRY-7).

Baffinland investigated methods of treatment for the concentrated hydrocarbons collected as part of the separation steps of the multi-barrier treatment system. The installation of the permanent fuel storage tanks in 2013 removed the source of the historical stormwater impacts and removed the need for the large scale multi barrier system. It was determined that the most effective method for disposal of the remaining impacted concentrated residuals would be offsite treatment and disposal. The fuel supplier removed a total volume of 1452 m^3 of impacted stormwater in 2013 which consisted of all of the remaining impacted stormwater onsite.

A small amount of stormwater from the new 5 million litre steel tank containment area at Milne Inlet was discharged to the adjacent land in preparation for the commissioning of the steel tank. No treatment was necessary as analytical testing of the stormwater showed no detectable concentrations.

At the Mary River Mine Site Camp, a relatively small quantity of hydrocarbon impacted water (approximately 512 m^3) from the Mary River Bulk Fuel Facility was treated and discharged to the adjacent land. The treatment system utilized a granular adsorbent clay media and an activated carbon treatment system. Discharge from the system was released to the adjacent ground surface and effluent infiltrated into the soils. There was no direct discharge or pathway to the receiving environment; the nearest aquatic receiving environment was located more than one kilometre to the south (Sheardown Lake). The sample results for all of the treated water analysis for the Mary River containment berm treatment were below the water licence discharge limits established in the Type "B" and Type "A" Water Licence for the water licence monitoring location (MRY-6 / MS-MRY-6).There was, however, one unauthorized discharge from the OWS at Mary River due to the overpumping of the residual oily water remaining in the containment near the end of the summer treatment period on July 14, 2013. Details of this unauthorized discharge are provided in Section 1.6 of this report.

2.3.4 Seepage

The existing Type "B" and new Type "A" Water Licence require surface run-off/seepage from the bulk sample pit, waste, and ore stockpiles to be monitored monthly during periods of flow and meets specified water quality criteria. In 2013, there was little discernible surface discharge from many of these areas due to a combination of porous soils, and the likely cold temperatures within ore and waste rock piles that would tend to freeze infiltrating precipitation. After major rainfall events in the summer, areas down gradient from the pit and ore/waste stockpiles were monitored for potential seepage and runoff flows. Based on observed conditions during the summer of 2013, surface water/seepage discharge samples were obtained from sample stations MS-MRY-9, MS-MRY-10, MS-MRY-11 and MS-MRY-13. Two (2) sampling events were possible for MS-MRY-9 and MS-MRY-10; three (3) sampling events were possible for MS-MRY-11, and four (4) sampling events were possible MS-MRY-13 in 2013. A summary of observed conditions is provided below:

- Station MS-MRY-9 (formerly MRY-9) represents water flow/seepage from the bulk sample pit. During 2013, flows were observed and two (2) samples were collected on July 14 and July 31.

- Station MS-MRY-10 (formerly MRY-10) represents the samples collected from the weathered ore stockpile located adjacent to the bulk sample pit. The stockpile is located near an existing drainage pathway and water naturally collects there. The samples represent surface runoff from the general area with a minor run-off/seepage component from the stockpile. In 2013, two (2) samples were collected from this location on July 13 and July 31.
- Station MS-MRY-11 (formerly MRY-11) represents surface runoff from the coarse and fine ore stockpiles at Mary River. Three (3) samples were collect for analysis on June 30, July 14, and July 31, 2013.
- Station MS-MRY-12 (formerly MRY-12) represents runoff/seepage originating from the Milne ore stockpile. No surface/seepage flows were observed during 2013 due to dry conditions, slow melt, and porous soils.
- Station MS-MRY-13a and 13b (formerly MRY-13a and -13b) represent the surface runoff sample locations for the Mary River Landfill. In 2013, four (4) samples were obtained from this location on July 14, July 24, and July 31, 2013.

Results indicated no exceedances of discharge limits established in the Type "B" and Type "A" Water Licence for respective monitoring locations. Based on a review of the parameters analyzed there was no indication of ARD onset. Analytical results from seepage samples can be found in Table 2.6

2.3.5 Surface Runoff and/or Discharge downstream of Construction areas and Quarries.

In accordance with the terms of Type "B" Water Licence (8BC-MRY1314) Part E, Item #11 and in accordance to the terms of the Type "A" Water Licence (2AM-MRY1325), Part I, Item #25, surface runoff and/or discharge was monitored at stations established downstream of construction areas at Milne Port and Mary River Mine Site. Surface discharge monitoring locations are presented in Figures 1.3 and 1.5 and in Table 2.5. The water quality results for these locations are provided in Table 2.6 and are compared to applicable water licence discharge criteria. On August 20th 2013, an exceedance of total suspended solids (TSS) was recorded at monitoring location MP-C-F at Milne Port. This exceedance is likely attributed to the fact that this discharge point is directly downstream to the new camp pad which was being developed around this time. Silt fences were installed immediately after detection to effectively reduce the impacts of sedimentation at the discharge location. With the exception of August 20th 2013, all other surface discharge and/or runoff water quality samples in 2013 were in compliance with applicable water quality limits.

Refer to Baffinland's Surface Water and Aquatic Ecosystems Management Plan (Baffinland Document No. BAF-PH1-830-P16-0026) which details best management practices that have been adopted to mitigate the impacts of sedimentation and erosion on the receiving waters, aquatic ecosystems, fish and fish habitat areas within the Project Development Area (PDA).

In accordance with the terms of Type "B" Water Licence (8BC-MRY1314) Part J, Item #9 and in accordance to the terms of the Type "A" Water Licence (2AM-MRY1325), Part I, Item #23, runoff and/or discharge water quality monitoring from borrow pits and Quarry Sites was conducted during 2013. Results of sampling results downstream from Quarry Q1 at Milne Port and Quarry QMR2 at the Mary River Mine Site are presented in Table 2.6 of this report and monitoring locations are presented on Figures 1.3, 1.5, and Table 2.5. Acute toxicity testing was also performed at surface runoff and/or discharge locations from the Quarry Q1 Quarry at Milne and the Quarry QMR2 at the Mary River Mine Site during 2013 and results are

presented in Table 2.7 of this report. A review of the sampling results indicated that sample results were below water licence quality criteria and were not acutely toxic.

2.3.6 Quality Assurance and Quality Control (QA/QC

All water quality samples related to monitoring programs being carried out in support of Baffinland's Mary River Project are presented in Table 2.6 of this report. All samples collected for testing follow the general recommendations presented in *Quality Assurance (QA) and Quality Control (QC) Guidelines for use by Class "A" Licensees in Meeting SNP Requirements and for Submission of a QA/QC Plan* (INAC, 1996).

Field QA/QC procedures adopted by the Mary River Project are described in detail in Baffinlands Surface Water Sampling Program – Quality Assurance and Quality Control Plan (BAF-PHI-830-P16-0001). The field QA/QC samples consist of the collection of field duplicates, field blanks, and the use of travel blanks. A minimum of ten percent of all samples collected in 2013, comprise the field QA/QC analyses presented in Table 2.8 of this report.

Laboratory analysis of water samples was carried out by three accredited analytical laboratories. A laboratory operated by Exova Canada Inc. ('Exova') and located in Nepean, Ontario has been carrying out the majority of sample analyses due, in part, to its geographical proximity to site (with respect to sample holding times). The Exova laboratory located in St. Augustin de Desmaures has been providing toxicity testing services. ALS Laboratory Group ('ALS'), located in Vancouver, BC has been used when ultralow level metals analysis have been required.

The results for the field QA/QC results are generally acceptable. There is some variation in field duplicates as indicated by percent differences of greater than 50% on occasion. Eliminating field duplicates for results close to analytical detection limits, percent difference of greater than 50% was reported for faecal coliforms (MRY-4 on June 24 and July 16), total suspended solids (MRY-4 on June 10), ammonia (MP-01 on November 26), and biological oxygen demand (MS-MRY-04 on September 9). The above samples were treated sewage effluent and variation in field duplicates for this type of monitoring can be attributed to normal variability in the effluent stream. In addition, percent difference greater than 50% was observed on July 24, for metals results at MRY-13A for chromium, iron, lithium, and manganese. The source of this variation is unknown but it should be noted that chromium and iron were at very low concentrations (below CCME thresholds) and lithium and manganese are not environmentally sensitive parameters.

The laboratory QA/QC program consists of daily quality checks used for specific analytical methods and analytical method calibration. The daily quality control checks include daily calibrations, calibration verification, replicate analyses, blanks, and spikes. The analytical method calibration is achieved by the use of reagent blanks, and an adequate number of matrix matched standards to define calibration range and linearity. The laboratory QA/QC data is reported in individual analytical certificates and the analytical results must lie within established QA/QC criteria prior to being issued to Baffinland.

2.3.7 Aquatic Effects Monitoring Program (AEMP)

The AEMP aims to address issues identified during the Environmental Impact Assessment process that could potentially impact the aquatic receiving environments surrounding the Project development. The year 2013 was used to build upon earlier baseline monitoring in order to develop the general monitoring strategy designed to detect effects to the freshwater aquatic environment. Baseline information collected during 2013 is presented in the Nunavut Impact Review Board (NIRB) Annual Report[10]. Results of the AEMP will be developed and reported to the Board sixty (60) days prior to mining in accordance with Part I, Item#2 of the Type "A" Water Licence (2AM-MRY1325).

[10] 2013 Annual Report to the Nunavut Impact Review Board (NIRB). Prepared by Baffinland Iron Mine Corporation, submitted March 31, 2014

SECTION 3.0 - CONSTRUCTION ACTIVITIES

In April 2013, prior the receipt of the Type "A" Water Licence, Baffinland commenced operation of the Mary River Mine Site Exploration Camp and Milne Port site camp including existing sewage treatment plants, incinerators, landfill, wastewater treatment and other facilities regulated under the existing Type "B" Water Licence (2BB-MRY1114). This operation coincided with minor construction activities related to the routine maintenance of the Tote Road, the start of development of Quarry Q1 to generate crushed and screened aggregate for the development of Milne Port site (pre-packaged explosives provided via air-lift), and earthworks/site preparation using equipment already on-site. During this time, an application for a new Type "B" Water Licence was submitted and granted by the NWB on May 25, 2014 (No. 8BC-MRY1314). This licence authorized 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 prior to the anticipated receipt of the Type "A" Water Licence, both of which Baffinland subsequently constructed.

Upon receipt of the Type "A" Water Licence (2AM-MRY1325) on July 23, 2013 additional construction activities commenced at the Mary River Mine Site, the Tote Road, and Milne Port. At the Mary River Mine Site these approved construction activities in 2013 consisted of the development of the quarry QMR2 to generate crushed and screened aggregate; the development of equipment laydown areas and equipment parking; the construction and commissioning of a steel tank bulk fuel storage facility consisting of four (4) x 500,000L P-50 steel fuel tanks, a fuel dispensing system, and a engineered secondary containment structure; the installation of a 210 person camp facility including the commissioning of a sewage treatment plant and incinerator; and the commencement of the installation of a maintenance shop, emergency response building, trade shop(s), warming shed(s), warehouse(s), administration building(s), and field office(s). Photographs of the major construction projects at the Mary River Mine Site are presented in Appendix D.3.1 of this report.

At the Tote Road, approved activities occurring during the 2013 construction period consisted of the required ongoing maintenance and repairs to the Tote Road between Milne Port and the Mary River Mine Site to support transport of fuel, supplies and Tote Road related permit requirements in a effort to reduce the potential for adverse environmental impacts; the development of laydown areas and associated storage of explosive magazines; follow up activities as required pursuant to the Fisheries Authorization for the Tote Road Not Net Loss and Monitoring Program, QIA lease, AANDC land permit and quarry permit(s); and alignment corrections to improve sight distance and reduce potential road/vehicle departures by improving curves and reducing grades for heavy truck loads. Photographs of Tote Road activities are presented in Appendix D.3.6 of this report.

At Milne Port, upon receipt of the Type "A" Water Licence, construction activities consisted of the ongoing development of the Quarry Q1 to generate crushed and screened aggregate; the development of equipment laydown areas and equipment parking; the construction and commissioning of a steel tank bulk fuel storage facility consisting of two (2) x 12ML P-50 diesel fuel steel tanks, three (3) x 0.75 ML Jet-A fuel steel tanks, a fuel dispensing system, and a engineered secondary containment structure; the installation and commissioning of a 120 person camp facility including a sewage treatment plant and incinerator; and the installation of a maintenance shop, emergency response building, trade shop(s), warming shed(s), warehouse(s), administration building(s) and field office(s).The Milne Port site bladder bulk fuel storage facility was fully decommissioned in 2013 including the removal for bladders from site for off-site disposal

and contaminated soil excavation from the former containment structure which was transferred to an engineering lined containment for future on-site treatment. The removal of the bladders off-site coincided with the hazardous waste and materials collection from the Project that were packaged, stored, and manifested at Milne Port for sealift back haul. Photographs of Milne Port activities are presented in Appendix D.3.2 of this report.

The 2013 construction phase project sealift occurred between July and October 2013 and consisted of ten (10) sealift vessels which offloaded consumables, buildings, equipment and materials required for the execution of construction and operational activities at the Mary River Mine Site, Tote Road, and Milne Port. The consumables, buildings, equipment and materials received at Milne Port during the sealifts that were required at the Mary River Mine Site were transported via truck on the Tote Road. The 2013 construction phase project sealift also consisted of the receipt of 34 ML of P-50 diesel fuel and 2.25 ML of Jet-A fuel via two (2) ship-to-shore floating hose fuel transfers in August and October to the Milne Port fuel steel tank bulk fuel storage facility. Fuel required for construction and operation at the Mary River Mine Site was transported from the Milne Port steel tank bulk fuel storage facility to newly installed steel fuel tanks at the Mary River Mine Site via tanker truck on the Tote Road. The 2013 Project sealift also consisted of backhaul of equipment no longer required on-site, the backhaul of waste/material transport to Southern Canada for disposal processing, and during the August fuel delivery, the backhaul of 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility for treatment at a licensed facility in Southern Canada. Referred to Appendix E.3 for details on contaminated water shipped off-site and Appendix E.1 and E.4 for details on all other materials, shipped to and off site in 2013.

Ongoing compliance monitoring with regulatory permits, authorizations, Baffinland Environmental Management Plans and Baffinland Standard Operating Procedures (SOPs) was conducted throughout the 2013 for construction activities. Corrective actions and compliance monitoring findings have been incorporated into recent revisions of Baffinland's Environmental Management Plans and in the development of subsequent revisions of Baffinland SOPs. The Board is referred to Section 8 of this report that details the status of Baffinland's Environmental Management Plans relevant to the Type "B" Water Licence(s), Type "A" Water Licence, and the QIA Commercial Lease.

The approved, non-hazardous landfill at the Mary River Mine Site was utilized during 2013 construction activities and refuse at both the Mary River Mine Site and Milne Port were sorted and disposed of in the landfill.

Under Part D, Item 19 of both the Type "B" Water Licence (8BC-MRY1114) and Type "A" Water Licence (2AM-MRY1325) there is a requirement to ensure the proper function of earthworks associated with earthworks facilities at the Mary River and Milne Inlet camps such as the Mary River Mine Site landfill, PWSP cells, bulk fuel storage and ancillary fuel facilities. A geotechnical inspection, performed annually, is required to be performed by a geotechnical engineer registered in Nunavut. The annual inspection report was submitted to the NWB and QIA on October 27, 2013. A copy of this report along with Baffinland's cover letter is included in Appendix D.2.

Site layouts of Milne Port , the Mary River Mine Site, Mid Rail and Steensby Port sites are shown on Figures 1.3, 1.5, 1.6, and 1.7, respectively. Photographic records of construction activities and Construction Summary Reports required for all structures designed to contain, withhold, divert or retain waters or waste required under Type "A" Water Licence (2AM-MRY1325), Part D, Item #18 submitted in 2013 are presented in Appendix D.1.

3.1 QUARRIED MATERIAL QUANTITIES AND GEOCHECMIAL TESTING

In 2013, Baffinland operated quarries and borrows that helped support infrastructure construction for the project. As per the requirements of the new Commercial Lease No. Q13C301 Part 6.4, item d) iv, Table 3.2 in this report provides quantities quarried of each specified substance including sand, gravel, construction stone and ice, quarried each month, broken down by individual quarry site or borrow location. As per the Type "A" Water Licence Schedule B, Item (g), x, the monthly and annual quantities of aggregates used from borrows and quarries in 2013 are presented in Table 3.1 of this report.

In accordance with terms of the Type "B" Water Licence part E item 10 prior to June 2013 and the Type "A" Water Licence (2AM-MRY1325) Schedule I Item g (Xii) details of monitoring data with respect to geochemical analysis conducted on material used to construct roads, quarries and other infrastructure is presented in Appendix E.6. Appendix E.6 provides a statistical summary of the geochemical results to date in addition to the laboratory analytical certificates.

The Q1 Quarry at Milne Port and the QMR2 Quarry at the Mine Site have been assessed utilizing the Protocol for the Assessment for the Potential for Acid Rock Drainage (Borrow Pit and Quarry Management Plan). The results of these assessments were presented in the Q1 and QMR2 Quarry Management Plans (2013) which predicted that aggregate materials in these quarries will have a low potential for acid rock drainage and metal leaching (ARD/ML).

During 2013, an operational sampling program was conducted to confirm the original predictions that the aggregate material in both of these quarries would have a low potential for ARD/ML. During the October to December 2013 period, the Mine Operations Geology Department implemented a program of continuous sampling to confirm the low potential for Acid Rock Drainage (ARD) for Quarry Q1. Samples from this period were collected from blasthole cuttings. The results summaries for this work are presented in Appendix E, Tables E.6-1 and E.6-2. During the May to September 2013 period, grab samples of aggregate were collected from crusher stockpiles and from infrastructure pads at Milne Port and the Mary River Mine Site. These results are provided in Appendix E, Tables E.6-3 to E.6-6. Roughly for every 10,000 Banked Cubic Metre (BCM) blasted, eight (8) samples will collected. When assessing whether aggregate is potentially acid generating (PAG), general cut-off criteria were established. These criteria were Net Potential Ratio (NPR) value less than two (2) and sulphur concentration greater and 0.20%.

The results provided in Appendix E.6 summary tables indicate low potential for ARD/ML as was originally predicted in the assessments made in the Q1 and QMR2 Quarry Management Plans.

SECTION 4.0 - GEOCHEMICAL ANALYSIS OF CORE

Geochemistry investigations with material derived from drill core continued during 2013. AMEC Environment and Infrastructure (AMEC) were retained throughout 2013 to continue to advance metal leaching and acid rock drainage (ML/ARD) characterization studies of materials from the Mary River Deposit No. 1. AMEC issued a report that presented the results and current interpretation of geochemical analyses available up to December 2013. The report, entitled, *Mine Rock ML/ARD Characterization Report* is provided in Appendix E.5 to this report. This report presents results and interpretation of static and kinetic testing data to assess the potential for metal leaching and acid rock drainage (ML/ARD) from waste rock related to mining of Deposit No. 1 ore

During 2013, the following activities related to the mine rock geochemistry program were conducted:

- Ongoing monitoring and interpretation of results for the operating humidity cells;
- Detailed mineralogical analysis of selected samples to improve the understanding of the sulphide and neutralizing mineral in Deposit 1 waste rock;
- Initiation of trial mineral liberation analysis (MLA) of subsamples from two operating humidity cells to investigate the reasons for the non-acidic behaviour of low acid potential and low neutralization potential PAG materials in humidity cells; and
- Planning for possible field test pad construction in 2014 including scoping and preliminary design for one or two potential source rock materials.
- Geochemistry studies and associated studies on Deposit No. 1 mine rock are planned to continue during 2014.

SECTION 5.0 - FUEL STORAGE

Fuel storage infrastructure and handling practices have evolved over the last several years, based on increasing project complexity and level of activities. Prior to the year 2007, all of the fuel used for the Project was supplied in 205 litre drums with re-supply being accomplished by a combination of airlift directly to the Mary River Mine Site and annual sea-lift re-supply to Milne Port. From Milne Port, drummed fuel was transported to Mary River by smaller aircraft or via the existing Milne Inlet tote road during frozen conditions in winter. In 2007, a bulk fuel storage facility and ancillary fuel transfer module, with a total storage capacity of approximately 8.25 million litres was constructed at Milne Inlet camp and in 2008 a bulk fuel storage facility with an approximate capacity of 1.5 million litres (potential capacity of 16 bladders) was completed at the Mary River camp.

Delivery of P-50 diesel and Jet-A fuels was received by these facilities in early September 2007 and again in August 2008 respectively. There was no fuel delivery received at the Milne facility in 2009 or 2010. A re-supply fuel sea-lift in September 2011 allowed the delivery of an additional 3,313 m^3 of P-50 diesel and 898 m^3 of Jet-A diesel to the Milne storage facility. The Milne storage facility originally consisted of 74 bladders, each with a rated capacity of 113,500 litres and contained within an impermeable lined earthen engineered containment structure designed to meet applicable standards and guidelines. This capacity has been diminished due to select bladders being removed from service or used for other purposes such as storing contaminated water or residual waste from the oily water treatment process.

In 2011, the approved five (5) million litre fuel tank for P-50 diesel was constructed along with an ancillary fuel transfer module and an engineered lined storage containment area at Milne Port. The 5 million litre tank was commissioned in 2012 and 1,492 m3 P-50 diesel fuel was transferred from the bladders in the existing bulk fuel storage facility in Milne Port to the new tank via tanker trucks. In 2013, additional fuel storage and distribution infrastructure were installed. At Mary River Mine Site, additional fuel storage and distribution infrastructure installed in 2013 consisted of four (4) x 500,000 L P-50 diesel steel tanks, and associated fuel dispensing system in a newly constructed engineered lined secondary containment structure. At Milne Port this consisted of the installation of one (1) x 5 ML P-50 diesel fuel steel tank in the pre-engineered lined secondary containment structure, two (2) x 12ML P-50 steel fuel tanks, three (3) x 750,000L Jet-A steel fuel tank, and associated fuel dispensing system in a newly constructed engineered lined secondary containment structure.

The installation of the steel tank facilities at Milne Port also allowed Baffinland to proceed in the final Milne Port site bladder bulk fuel storage facility decommissioning in 2013. Decommissioning activities included the removal of all bladders from site for off-site disposal and contaminated soil excavation from the former engineered containment structure which was transferred to an engineering lined containment for future on-site treatment. Refer to Appendix E.8 for the Milne Inlet Interim Bladder Decommissioning Report. The Mary River Mine Site bulk fuel bladder farm was still in operation at the end of 2013.

As of December 31, 2013, there was 31.296 ML of P-50 diesel stored in five (5) steel tanks and 1.976 ML of Jet-A stored three (3) steel tanks within the Milne Port steel tank bulk fuel storage facility. No fuel was stored at the Milne Port bladder bulk fuel storage facility as it was decommissioned in 2013. At the Mary River Mine Site, there was 0.385 ML of P-50 and 0.074 ML of Jet-A in the Mary River Mine Site bladder bulk fuel storage facility as of December 31, 2013. The Mary River Mine Site steel tank bulk fuel storage facility

constructed in 2013 did not store fuel as of December 31, 2013 and is slated for commissioning early in 2014. The Mine Site bladder bulk fuel storage facility is supplied by bulk fuel tankers that were transported along the Tote Road. The remaining fuel requirements needed for the various aspects of the project were supplied via day tanks and 205 L drums.

The as-built reports for the Milne Port and Mine Site bladder bulk fuel facilities and ancillary fuel transfer modules were previously submitted to the Board in previous annual reports. Construction Summary Reports for the fuel storage and distribution infrastructure constructed in 2013 at Milne Port and Mary River Mine Site will be submitted to the Board within 90 days of completion of all commissioning of each respective facilities as required under Type "A" Water Licence (2AM-MRY1325), Part D, Item #18.

During 2013, fuel for the Project was required to support the following activities:

- Diesel electric power generation and building heat
- Light and heavy vehicle operation
- Fixed-wing aircraft and helicopter movement.

During 2013, barrelled fuel was used mainly to support field studies and the geology and geophysics program. As of December 31, 2013 there are 1,912 - 205 L drums of fuel (636 P-50 and 1,276 Jet-A) stored at Steensby Port, 44 - 205 L drums (38 Jet-A and 6 gasoline) at the Mary River Mine Site, and 100 - 205 L drums of gasoline at Milne Port. All barrelled fuel being stored at the respective sites is within engineered lined containment structures.

It is Baffinland's practice to construct and operate its fuel storage/dispensing facilities and fuel handling/management practices in accordance with applicable guidelines and regulations such as the CCME "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (2003)", Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations (Canadian Environmental Protection Act, 1999 SOR/2008-197 June 12, 2008) and National Fire Code of Canada. To protect receiving waters, it is Baffinland's practice to endeavour, as practical, to store drummed fuel, petroleum based wastes, and other potentially hazardous products within lined containment areas whenever possible. Engineered lined containment areas are in place at Mary River, Milne Inlet, Steensby Inlet and Mid Rail camps for the storage of drummed fuel.

The fuel storage containment areas continue to be inspected on an annual basis during geotechnical inspections. The geotechnical inspection completed on fuel storage containment areas during 2013 is presented in Appendix D.2.

SECTION 6.0 - UNAUTHORIZED DISCHARGES

Ten (10) spills were reported to the Nunavut Spill Line, Water Licence Inspector and QIA Major Projects. In addition to the required Spill Line report, a more detailed follow-up report was filed within 30 days of each reported spill that included a description of the event together with the immediate cause, corrective and preventive action, and a map showing the location of the spill. The ten reportable spill events are summarized in Table 6.1 and locations are shown on Figure 1.9. The follow-up spill reports and original spill reports are provided in Appendix E.7.4. The follow-up spill reports detail basic causes and short/longer term corrective actions. This information is also summarized in Table 6.1.

Six of the spills occurred at Milne Port, three at the Mary River Mine Site, and one along the Tote Road. Overall, six of the spills were treated or untreated sewage, one spill was gasoline, one spill was oily water, and one spill was Jet A. The Jet A spill was within lined engineered containment. The remaining spills were relatively minor in nature, all occurring on land, with quick response and clean up resulting in negligible impact to the receiving environment.

An analysis of the reportable spills during 2013 indicate that the basic causes for the spills included equipment failure issues (preventive maintenance, defective equipment, design issues), weather conditions (temperature extremes), and procedural (inadequate procedure or training). Baffinland continues to work to identify root causes so that effective long term corrective actions can be implemented.

SECTION 7.0 - INSPECTION AND COMPLIANCE REPORT CONCERNS

In 2013, Baffinland hosted regulatory inspections from AANDC, QIA, and the WSCC Mines Inspector. The Nunavut Environmental Health Inspector also visited the site during 2013.

7.1 AANDC INSPECTION(S)

During 2013, three (3) inspections were conducted by AANDC water resource officers; the first from May 4 to 5, the second August 15 to 17, and the third from November 12 to 14, 2013. The inspection results were conveyed during close-out meetings at the end of the inspections and documented Water Licence Inspection Reports distributed to Baffinland subsequent to the inspections. Baffinland acted quickly to respond to concerns brought forward during the inspections or close out meetings. No non-compliances to the Water Licence were reported by the water resource officers in their reports although there were minor concerns. The inspection reports together with a record of Baffinland's responses to concerns and comments are provided in Appendix E.7.1.

7.2 QIA INSPECTION(S)

During 2013, one (1) inspection was conducted by the Qikiqtani Inuit Association (QIA) conducted under agreement of Commercial Lease Q10C3001 September 20 to 23, 2013. The inspection results were conveyed during the close-out meeting at the end of the inspection and documented in a subsequent report that was received on December 17, 2013. The report identified the borrow areas along the Tote Road as an environmental concern, specifically km 97 borrow area, but it was also noted that there was no immediate significant threat to the environment or liability to the land. Baffinland submitted a response letter to QIA on March 28, 2014. The inspection reports together with Baffinland's response letter are in Appendix E.7.2.

QIA also conducted an Environmental Audit August 13 to 18, 2013 of surface infrastructure at Milne Inlet, along the Tote Road, and at the Mary River locations and an assessment of the interaction between the surface infrastructure and the environment on Inuit Owned Lands. The audit was conducted to support reclamation liability cost estimates.

7.3 WORKERS' SAFETY & COMPENSATION COMMISSION (WSCC) MINE INSPECTION(S)

On October 22 to 24, 2013, Jeff Fuller (WSCC's electrical consultant) and Martin Van Rooy (engineer/mine inspector for NWT and NU) conducted an electrical inspection at Baffinland Milne Inlet and Mary River Power Plant and associated electrical rooms. The inspection results were conveyed during close-out meetings at the end of the inspections and documented WSSC Mine Inspection Reports distributed to Baffinland subsequent to the inspection. Baffinland had no major instances of non-compliance nor was ever in contravention to any laws or regulations as evidenced by the 2013 audits. The results of the inspection including Baffinland's responses and/ or attachments are provided in Appendix E.7.3 of this report.

SECTION 8.0 - UPDATES TO PLANS

In accordance with Part B, Item 6 (j) of the Type "B" water licence (2BB-MRY1114), Part B, item 4 (m) of the Type "B" water licence (8BC-MRY1314) and Part B item 18 of the Type "A" Water Licence (2AM-MRY1325) an annual review of the management plans developed under the water licence has been undertaken. Updates to management plans have been completed and changes to these plans are broadly summarized as follows:

Environmental Protection Plan*.* This plan is in the process of being updated and will be issued to the NWB and QIA by April 30, 2014.

The Emergency Response Plan*. Baffinland Document No. BAF-PH1-830-P16-0007 rev 0. Dated March 2014.* This version of the Emergency Response Plan supersedes previous versions of the Emergency Response and Spill Contingency Plan. This version reflects the Emergency Response Plan as the overarching emergency plan, under which are several other supporting plans including: Spill Contingency Plan; 2. Oil *Pollution Emergency Plan (OPEP); Spill at Sea Response Plan; and, Aerodrome Operations Manual.*

The Spill Contingency Plan*. Baffinland Document No. BAF-PH1-830-P16-0036 rev 0. Dated March 2014.* This is an update to the September 2013 version of the plan and Land-based environmental emergencies that may occur are addressed by the Spill Contingency Plan. This Spill Contingency Plan (SCP) identifies potential spills of hazardous materials on land, ice, or fresh water that could arise during the construction and operation phases of the Mary River Project. Credible spill scenarios are identified and protocols for preventing, responding to, and recovering from releases to the environment involving regulated hazardous substances. The update reflects the terms and conditions of Baffinland's water licences, QIA Commercial leases as well as the terms and conditions of the NIRB Project Certificate No.005.

Surface Water and Aquatic Ecosystem Management Plan. *Baffinland Document No. BAF-PH1-830-P16-0036 rev 2. Dated March 2014.* This plan is an update to the September 13th 2013 version of the plan. The update reflects the terms and conditions of Baffinland's water licences, QIA Commercial leases as well as the terms and conditions of the NIRB Project Certificate No.005. The plan reflects 2013 activities at the Project and planned activities for 2014. Included in the plan are updated site water balances and updated site drainage plans for the Project.

Freshwater Supply Sewage and Waste Water Management Plan. *Baffinland Document No. BAF-PH1-830-P16-0026 rev2. Dated February 2014.* This plan is an update to the September 13th 2013 version of the plan. The update reflects the terms and conditions of Baffinland's water licences, QIA Commercial leases as well as the terms and conditions of the NIRB Project Certificate (No.005). The plan reflects 2013 activities at the Project and planned activities for 2014. Updated Site Water Block Flow Diagrams have also been incorporated into this revision of the plan.

Hazardous Materials and Hazardous Waste Management Plan. *Baffinland Document No. BAF-PH1-830-P16-0010 rev.2. Dated March 2014.* This plan is an update to the February 2012 version of the plan. The update reflects the terms and conditions of Baffinland's water licences, QIA Commercial leases as well as the terms and conditions of the NIRB Project Certificate No.005. Major revisions include the updating of roles and responsibilities; handling and storage requirements and hazardous waste generation estimates. In addition, the current MSDS database, reflective of 2014 project inventories, was included.

***Waste Management Plan**. Baffinland Document No. BAF-PH1-830-P16-0011 rev 2. Dated March 2014.* This plan is an update to the February 2012 version of the plan. The update reflects the terms and conditions of Baffinland's water licences, QIA Commercial leases as well as the terms and conditions of the NIRB Project Certificate No.005. Major revisions include the updating of roles and responsibilities, waste generation estimates, discussion of open burning protocols, incorporation of the ECO 2TN Mobile Incinerator O&M Manual, and expanded discussion of waste handling and disposal by waste type.

***Waste Rock Management Plan**.* This plan is in the process of being updated from the February 2012 version and will be issued by April 30, 2014.

***Borrow Pits and Quarry Management Plan**. Baffinland Document No. BAF-PH1-830-P16-0004 rev 0. Dated March 2014.* This plan is an update to the March 2013 version of the plan. The update reflects borrow pit and quarry best management practices implemented on site and provides a list of quarries and borrow sources required for project construction and operation. The Plan includes details of activities in 2013 and planned work scope for 2014.

***Interim Abandonment and Reclamation Plan**. Baffinland Document No. BAF-PH1-830-P16-0012 rev 1.* This document is a minor update to the June 2013 version of the Plan in order to reflect any changes in reclamation requirements and activities required due to Project changes since the last version. Minor update relates to reclamation of Milne Port facilities.

Lists of all other management plans that support the development of the Mary River Project Final Environmental Impact Statement are provided below and are available upon request:

- Oil Pollution and Emergency Response Plan – Milne Port (OPEP)
- Explosive Management Plan
- Blasting Management Plan
- Air Quality and Noise Abatement Management Plan
- Shipping and Marine Wildlife Management Plan
- Terrestrial Environmental Management and Monitoring Plan
- Health & Safety Management Plan
- Stakeholders Involvement Plan
- Cultural Heritage Resources Protection Plan
- Human Resources Management Plan
- Oil Pollution Emergency Response Plan
- Railway Management Plan
- Q1 Quarry Management Plan
- QMR2 Quarry Management Plan
- D1Q1 Quarry Management Plan
- D1Q2 Quarry Management Plan

- Q7 Quarry Management Plan
- Q19 Quarry Management Plan
- Q11 Quarry Management Plan
- Km 1 Borrow Source Management Plan
- Km 2 Borrow Source Management Plan
- Km 98 Borrow Sources Management Plan.

SECTION 9.0 - PROGRESSIVE RECLAMATION WORK

The Project's water licences issued by the NWB, land-use permits issued by AANDC, and lease agreement with QIA requires that progressive reclamation work be carried out on project components no longer required for project operations, and that restoration work be completed prior to the expiry of these approvals and in accordance with the Project's approved Abandonment and Reclamation Plan. Reclamation progress is monitored through site inspections and annual reporting to the QIA, AANDC, and NWB, and is documented in annual updates of the Project Abandonment and Reclamation Plan.

Progressive reclamation undertaken during 2013 included:

- Development of an action plan to address concerns from stakeholders about long term salt storage for Dust Management Technical Memo utilizing calcium chloride).
- 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 (see Appendx E.2).
- Completion of decommissioning of the Milne Port site bulk fuel bladder bulk fuel storage facility and removal of bladders from site for off-site disposal (see Appendix E.8.1). Contaminated soil excavated from former containment structure and stored in engineering lined containment for future on-site treatment (see Appendix E.7.2).
- Bench scale testing results - Landfarm Bioremediation (see Appendix E.8.2 for report).
- 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 (see Appendix E.7.2).
- 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 (see Appendix E.1, E.3, and E.4).
- Continued development of the Mine Site landfill and deposition of non-hazardous wastes in accordance with the landfill operations and maintenance manual (see Section 2.2.4).
- Discharge of treated sewage stored in PWSPs at Mary River Camp and Milne Port after treatment as required (Section 2.2.2).
- Waste materials generated over the course of previous two (2) years shipped off-site for disposal in Southern Canada via sealift. Hazardous waste and materials from the Project that were packaged, stored, and manifested at Milne Port (see Appendix E.1).
- Removal of 1463 m^3 of contaminated water from Milne Port bladder bulk fuel storage facility on fuel delivery sealift backhaul for treatment at a licensed facility in Southern Canada (see Appendix E.3).

- The oily stormwater treatment system for the bulk fuel storage facility at Milne Port resumed operation. The multi-barrier treatment system effectively treated hydrocarbon impacted water to levels well below applicable water licence criteria. A monitoring plan confirmed compliance with the respective water licence and approximately 3,472 $m^3$of treated water was released to Milne Inlet (see Section 2.2.3).
- At the Mary River Camp, a treatment system utilizing granular clay and activated carbon media was utilized to treat a small quantity of hydrocarbon-impacted water that had accumulated in the Mary River bulk fuel storage facility. Approximately 512 m^3 of oily water was treated and discharged to the adjacent land surface (see Section 2.2.3).
- Geotechnical surveys required to support Project design and reclamation requirements along the Tote Road alignment, bridge crossings, prospective quarry sites and borrow areas.
- Follow-up monitoring, planning, and routine maintenance of the Tote Road and activities required 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.
- Updated Marginal Closure Cost Estimate Summary for 2013 (see Appendix E.9).

SECTION 10.0 - SUMMARY OF CONSULTATIONS

In 2007 and 2008, engagement between the Company and potentially interested stakeholders and communities increased to keep pace with advancement of the Project from exploration to bulk sampling. Socio-economic studies and public consultation have focussed on the five North Baffin communities in closest proximity to the Mary River Project components, and in Iqaluit, the territorial capital. These *Communities of Interest* were selected based on the guidance presented in "*A Proponents Guide to Conducting Public Consultation for the NIRB Environmental Assessment Process,"* (NIRB, 2006) and are most likely to be affected by a future Project.

Over the last several years, consultation with potentially interested stakeholders, including local communities and community groups has been carried out through a variety of means, including:

- Community Liaison Offices.
- Public Meetings.
- Inuit Knowledge Working Groups.
- Community Focus Sessions.
- Inuit Knowledge Individual Interviews.
- Radio Call-In Shows and Printed Media.

Since mid-2010, the Company re-engaged its community consultation with regular community visits to the communities that are considered to be "affected", as defined by NIRB in relation to the development of the Mary River Project (Refer to Appendix D.3.8 for Community Consultation Photos) In 2013, Baffinland maintained and continued to operate community liaison offices in Iqaluit, Igloolik, Pond Inlet, Clyde River, and Hall Beach and the role of Baffinland's Community Liaison Officer (BCLO) developed further as a BCLO was present in each of the communities including Arctic Bay, Clyde River, Hall Beach, Igloolik, and Pond Inlet In Iqaluit, Baffinland's Northern Affairs Manager oversees the Nunavut business office and the network of liaison officers. The BCLOs have a wide range of responsibilities, encompassing offering information to the communities on available jobs, informing interested parties how to get hired at Baffinland, offering assistance with completing a resume, new hire paperwork and understanding site flight charter schedules, helping with training opportunities such as Work Ready Training, providing updates on the progress at Mary River, and generally acting as a liaison between the local people and the Company.

Community and government consultation also continued with a very high level of effort in 2013. Meetings were held with the public, local hamlet officials, local HTOs, local QIA representatives, and/or others in the communities of (listed alphabetically): Arctic Bay, Clyde River, Hall Beach, Igloolik, and Pond Inlet (see Table 10.1). The meetings provide an opportunity for Baffinland to communicate any new information that is available and update communities on current work being done by the Company. Baffinland also brought local community and government representatives to visit the operations at the Mary River Project. With the announcement of the proposed Early Revenue Phase Project Baffinland continued to include various agencies and Inuit in the development of monitoring and mitigation strategies, as well as preliminary discussions on permitting and licensing for the project.

Baffinland continues to publish safety ads and information brochures to be disseminated by the Baffinland Liaison Officers within their respective communities. These cards and brochures are printed monthly in both English and Inuktitut and are a way in which to engage Northern communities in the Project, and to produce materials that the BLOs can take to community meetings, schools, co-ops and other locations and/or events. So far, BLOs have reported a very positive response from Nunavummiut.

The Baffinland website (www.Baffinland.com) reflects important milestones in Baffinland's development and is a platform of information for Inuit, regulators, media, and other interested parties. It will be updated regularly and the website is available in both English and Inuktitut.

Stakeholder engagement will continue to be an important commitment for Baffinland in keeping communities abreast with developing news, scheduling, permitting, licensing and as well, involving local people and regulatory agencies in the development of monitoring programs.

TABLES

Baffinland

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

SUMMARY OF 2013 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
January 2013	December 2012 monthly water license report submission
February 2013	January monthly water license report submission
March 2013	Submission of 2012 Annual Water Licence Report including updates to Environmental Monitoring and Management Plans
March 2013	February monthly water license report submission
April 2013	Submission of Follow-up Spill Report Report ID: 13-080
April 2013	March monthly water license report submission
May 2013	Site inspection conducted by AANDC Water Resource Officer
May 2013	Notification to AANDC of effluent discharge of treated effluent from PWSP nos. 1, 2 and 3 at the Mary River Mine Site (MRY-4a) and from the PWSP at Milne Port (MRY-5a).
May 2013	April monthly water license report submission
May 2013	Updated Mine Site QMR2 Quarry Mangement Plan to the Nunavut Water Board (NWB)
May 2013	Receipt of the Type B Water Licence 8BC-MRY1314
May 2013	Issued for Constuction Drawings at Milne Port to the Nunavut Water Board (NWB) including: - Earthworks and Drainage Plans - Fuel Berm - Off-Spec Sewage Pond
May 2013	Issued for Constuction Drawings at Mine Site to the Nunavut Water Board (NWB) including: - Drawing H349000-4134-10-035-0001 Mine Site – Accommodation Camp – Earthworks and Drainage- Plan - Drawing H349000-4134-10-035-0002 Mine Site – Accommodation Camp – Earthworks and Drainage – Sections - Drawing H349000-4131-10-035-0001 0 Mine Site - Site Services - Earthworks & Drainage - Plan - Drawing H349000-4131-10-035-0002 0 Mine Site - Site Services - Earthworks & Drainage – Sections
June 2013	Notification to AANDC of effluent discharge of treated stormwater from the Bulk Fuel Storage and ancillary structures at Milne Port and the Mary River Mine Site.
June 2013	Seasonal opening of Steensby Port Camp
June 2013	Commencement of discharge of treated effluent from PWSP nos. 1, 2 and 3 at the Mary River Mine Site (MRY-4a) and from the PWSP at Milne Port (MRY-5a).
June 2013	Commencement of treatment and discharge of stormwater in the Bulk Fuel Storage facility at Milne Port.
June 2013	Notification to AANDC of effluent discharge of stormwater from the new Steel Tank storage facilities at Milne Port.
June 2013	Submission of Follow-up Spill Report Report ID: 13-165
June 2013	Submission of Follow-up Spill Report Report ID: 13-166
June 2013	Commencement of treatment and discharge of stormwater in the Bulk Fuel Storage facility at the Mary River Mine Site.
July 2013	Commencement of treatment and discharge of stormwater in the Bulk Fuel Storage facility at Mary River Mine Site.
July 2013	Submission of Follow-up Spill Report Report ID: 13-253
June 2013	May monthly water license report submission
June 2013	Receipt of the Type A Water Licence 2AM-MRY1325
June 2013	June monthly water license report submission
July 2013	Issued for Construction Drawings to Nunavut Water Board (NWB) incldluing: - Milne Port Concrete Batch Plant - Milne Port Landfarm Facility - Mine Site Fuel Facility - Mine Site Effluent Pond - Mine Site Explosives Magazine Storage - Incinerator General Arrangements
July 2013	Issued for Construction Drawings to Nunavut Water Board (NWB) for Mine Site Raw Water Intake
August 2013	Site inspection conducted by AANDC Water Resource Officer
August 2013	Fuel transfer from Sealift
August 2013	Commencement of discharge of treated effluent from PWSP nos. 1, 2 and 3 at the Mary River Mine Site (MRY-4a).
August 2013	QIA Environmental Audit Site Inspection

Baffinland

TABLE 1.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

SUMMARY OF 2013 ACTIVITIES AND SUBMISSIONS

Date	Activity/Submission
August 2013	Commencement of treatment and discharge of stormwater in the Bulk Fuel Storage facility at Milne Port.
August 2013	July monthly water license report submission
August 2013	Issued for Construction Drawings for Sewage Treatment Plant at both Milne and Mine Site to Nunavut Water Board (NWB)
September 2013	Receipt of QIA Commercial Lease Q13C301
September 2013	Signing of the Inuit Impact Benefits Agreement (IIBA)
September 2013	Seasonal shutdown of Steensby Port Camp
September 2013	Submission of Follow-up Spill Report Report ID: 13-276
September 2013	August monthly water license report submission
September 2013	Issued for Construction Drawings for Tote Road Updgrades to the Nunavut Water Board (NWB)
Spetember 2013	QIA Environmental Inspection
Spetember 2013	Management Plan Updates to Nunavut Water Board (NWB) including: • Surface Water and Aquatic Ecosystems Management Plan, dated September 2013; • Fresh Water Supply, Sewage and Wastewater Management Plan, dated September 2013; • Emergency Response & Spill Contingency Plan, dated March 28, 2013; • Waste Management Plan for Construction, Operation and Closure, dated September 2013; and • Hazardous Materials and Hazardous Waste Management Plan,
October 2013	Submission of Follow-up Spill Report Report ID: 13-321
October 2013	Submission of Quarry Management Plants to the Nunavut Water Board (NWB) including: • H349000-3000-07-245-0001 Quarry Management Plan, Tote Road Quarry (Q7); • H349000-3000-07-245-0002 Quarry Management Plan, Tote Road Quarry (Q11); • H349000-3000-07-245-0003 Quarry Management Plan, Tote Road Quarry (Q19); • H349000-4200-07-245-0001 Quarry Management Plan, Deposit 1 Quarry 1 (D1Q1); and • H349000-4200-07-245-0002 Quarry Management Plan, Deposit 1 Quarry 2 (D1Q2).
October 2013	2014 Work Plan and Marginal Reclamation and Closure Security Estimate for Review to QIA
October 2013	IIBA Tour
October 2013	September monthly water license report submission
October 2013	Direct discharge from the MBR at Milne Port to receiving environment (MP-01)
October 2013	Incinerator Stack Tests for Milne Port
November 2013	Submission of Follow-up Spill Report Report ID: 13-367
November 2013	Submission of Follow-up Spill Report Report ID: 13-371
November 2013	Site inspection conducted by AANDC Water Resource Officer
November 2013	October monthly water license report submission
November 2013	Borrow Source Management Plan for new Borrow Sources to Nunavut Water Board (NWB)
November 2013	Issued for Construction Drawings for Mine Site Emulsion Plant to Nunavut Water Board (NWB)
December 2013	Submission of Follow-up Spill Report Report ID: 13-377
December 2013	Submission of Follow-up Spill Report ID: 13-378
December 2013	November monthly water license report submission
December 2013	Incinerator Stack Tests for the Mine Site
December 2013	Submission of the Polishing Waste Stabilization Pond (PWSP) Construction Summary Report
December 2013	Issue of NWB initiated Amemdment No. 1 for Type 'B' Water Licence 2BB-MRY1114
December 2013	Submission of renewal application for Type 'B' Water Licence 2BB-MRY1114
January 2014	December monthly water license report submission

Note: The designations for the camps have been modified from previous years so as to be in alignment with the terminologies used in the documentation for the approved Project. The following changes have been made from previous annual reports:

* Milne Inlet Camp site is now termed Milne Port;
* Mary River Camp site is now termed Mine Site; and,
* Steensby Inlet Campsite is now termed Steensby Port.

Baffinland

TABLE 1.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
SUMMARY OF EXPLORATION DRILLING

Deposit No.	2004		2005		2006		2007		2008	
	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)
1	14	2691	33	8073	23	4136.5	23	4246.5	27	5071
2	1	122	0	0	7	1195.7	0	0	0	0
3	0	0	0	0	3	642	8	1917	0	0
4										
5										

Deposit No.	2009		2010		2011		2012		2013	
	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)	Number of Holes Drilled	Meterage (m)
1	13	2316	3	318	0	0	5	1313	0	0
2	0	0	3	477	ak	0	0	0	0	0
3	0	0	2	163	0	0	0	0	0	0
4			17	3165	0	0	0	0	0	0
5			20	2662	0	0	0	0	0	0

Deposit No.	Total	
	Number of Holes Drilled	Meterage (m)
1	141	28,165.0
2	11	1,794.7
3	13	2,722.0
4	17	3,165.0
5	20	2,662.0

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TABLE 1.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

ON ICE AND ON LAND GEOTECHNICAL DRILLHOLE DETAILS

Drillhole ID	Drillhole Coordinates		Description of Drillhole Location	Depth	Date Started	Date Finished	Comments
	Northing (m)	Easting (m)		(m)			
ON LAND							
BH - 2013 - 1	7,976,409	503,251	Minle Inlet Proposed Ore Dock	24	3-Dec-13	5-Dec-13	Water return was routed back to natural dranage
BH - 2013 - 1B	7,976,423	503,232	Minle Inlet Proposed Ore Dock	34	14-Dec-13	15-Dec-13	
BH - 2013 - 2	7,976,492	503,240	Minle Inlet Proposed Ore Dock	24	5-Dec-13	6-Dec-13	Hole on ice edge of Inlet
ON ICE							
BH - 2013 - 3	7,976,576	503,245	Minle Inlet Proposed Ore Dock	23.5	6-Dec-13	7-Dec-13	
BH - 2013 - 5	7,976,627	503,243	Minle Inlet Proposed Ore Dock	22.25	7-Dec-13	8-Dec-13	
BH - 2013 - 5B	7,976,630	503,245	Minle Inlet Proposed Ore Dock	43	15-Dec-13	17-Dec-13	
BH - 2013 - 7	7,976,659	503,316	Minle Inlet Proposed Ore Dock	20	9-Dec-13	10-Dec-13	
BH - 2013 - 8	7,976,664	503,386	Minle Inlet Proposed Ore Dock	22	13-Dec-13	14-Dec-13	
BH - 2013 - 9	7,976,644	503,191	Minle Inlet Proposed Ore Dock	15.25	8-Dec-13	9-Dec-13	
BH - 2013 - 11	7,976,618	503,342	Minle Inlet Proposed Ore Dock	26.25	10-Dec-13	12-Dec-13	
BH - 2013 - 11B	7,976,615	503,336	Minle Inlet Proposed Ore Dock	31	12-Dec-13	13-Dec-13	

Note: All drillholes utilized seawater at the collar for water supply where water was required.

Baffinland

TABLE 2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
DAILY, MONTHLY AND ANNUAL QUANTITIES OF WATER FOR CAMPS MARY RIVER PROJECT ON INUIT-OWNED LANDS AND CROWN LAND

	January	February	March	April	May					June						July				
Date	MRY-1	MRY-1	MRY-1	MRY-1	MRY-1	MRY-1 Other	MRY-1 to Milne Port	Milne Port Km 32 Lake	Total	MRY-1	MRY-1 Other	MRY-1 to Milne Port	Milne Port Km 32 Lake	Steensby Port	Total	MRY-1	Milne Port Km 32 Lake	Milne Port Other	Steensby Port	Total
	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	0.0	16.4	0.0	0.0	45.2	20.4	16.4	0.0	0.0	36.8
2	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	8.2	0.0	0.0	22.6	0.0	16.4	0.0	0.0	16.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.2	0.0	0.0	16.5	23.5	16.4	0.0	0.0	39.9
4	0.0	0.0	23.5	0.0	38.6	0.0	0.0	0.0	38.6	29.9	12.1	0.0	0.0	0.0	42.0	21.6	16.4	0.0	3.9	41.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	8.2	0.0	0.0	26.0	0.0	16.4	0.0	0.0	16.4
6	0.0	15.5	0.0	23.5	18.5	0.0	0.0	0.0	18.5	17.8	27.6	16.4	0.0	0.0	61.8	20.8	16.4	8.2	0.0	45.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	16.4	0.0	0.0	43.3	22.0	16.4	0.0	4.5	42.9
8	0.0	0.0	0.0	0.0	12.5	0.0	8.7	0.0	21.2	17.8	17.4	0.0	8.2	0.0	43.4	0.0	32.8	0.0	0.0	32.8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	8.2	0.0	18.4	27.3	16.4	0.0	0.0	43.7
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	24.6	0.0	8.2	0.0	32.8	35.6	14.8	8.2	0.0	0.0	58.6	29.1	22.7	0.0	5.7	57.5
12	0.0	11.4	10.6	0.0	0.0	0.0	7.6	8.2	15.8	0.0	7.6	8.2	0.0	6.4	22.2	0.0	22.7	0.0	3.8	26.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2	24.6	0.0	8.2	8.2	0.0	41.0	25.7	11.4	0.0	0.0	37.1
14	0.0	0.0	0.0	0.0	27.3	0.0	0.0	8.2	35.5	0.0	7.2	0.0	24.6	7.2	39.0	0.0	22.7	0.0	1.9	24.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0	8.2	0.0	33.6	28.0	11.4	0.0	3.8	43.2
16	0.0	0.0	0.0	23.1	0.0	3.8	0.0	8.2	12.0	16.7	11.4	16.4	0.0	4.9	49.4	12.5	11.4	0.0	0.0	23.9
17	0.0	0.0	0.0	0.0	26.1	3.8	0.0	0.0	29.9	10.2	17.8	8.2	0.0	0.0	36.2	22.3	11.4	0.0	4.5	38.2
18	0.0	0.0	0.0	0.0	30.7	9.5	0.0	8.2	48.4	12.5	0.0	8.2	0.0	0.0	20.7	0.0	22.7	0.0	0.0	22.7
19	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	9.5	14.0	12.9	16.4	0.0	0.0	43.3	25.0	22.7	0.0	0.0	47.7
20	0.0	0.0	0.0	0.0	15.9	9.5	0.0	8.2	33.6	11.7	0.0	0.0	16.4	0.0	28.1	0.0	11.4	0.0	3.8	15.2
21	19.7	0.0	18.2	0.0	6.4	11.4	0.0	0.0	17.8	13.2	2.6	0.0	16.4	0.0	32.2	25.7	11.4	0.0	0.0	37.1
22	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	11.4	0.0	0.0	0.0	16.4	3.6	20.0	0.0	22.7	0.0	0.0	22.7
23	0.0	19.7	0.0	0.0	0.0	11.4	0.0	8.2	19.6	19.7	0.0	0.0	16.4	0.0	36.1	25.7	22.7	0.0	3.8	52.2
24	0.0	0.0	0.0	0.0	25.7	11.4	0.0	0.0	37.1	0.0	0.0	0.0	8.2	0.0	8.2	13.2	22.7	11.4	0.0	47.3
25	0.0	0.0	0.0	0.0	15.1	11.4	0.0	8.2	34.7	26.1	0.0	0.0	16.4	0.0	42.5	26.5	14.2	8.5	0.0	49.2
26	0.0	0.0	17.4	0.0	0.0	11.4	0.0	8.2	19.6	11.4	0.0	0.0	16.4	4.0	31.8	0.0	34.1	0.0	0.0	34.1
27	0.0	0.0	0.0	0.0	17.0	9.5	0.0	8.2	34.7	0.0	0.0	0.0	24.6	0.0	24.6	32.2	16.4	0.0	4.5	53.1
28	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	7.6	26.9	0.0	0.0	16.4	0.0	43.3	0.0	8.2	0.0	0.0	8.2
29	11.7	0.0	0.0	29.1	22.0	9.5	16.4	0.0	47.9	16.3	0.0	0.0	16.4	0.0	32.7	26.9	16.4	0.0	0.0	43.3
30	0.0		0.0	0.0	0.0	5.7	8.2	0.0	13.9	0.0	0.0	0.0	32.8	7.6	40.4	0.0	32.8	0.0	3.8	36.6
31	0.0		0.0		0.0	0.0	16.4	0.0	16.4							26.5	16.4	0.0	0.0	42.9
Total	**57.1**	**46.6**	**69.7**	**75.7**	**280.4**	136.8	65.5	82.0	564.7	**358.6**	209.0	155.8	254.2	33.7	1011.3	**454.9**	552.5	28.1	44.0	1,079.5

	August					September					October					November				December		
Date	MS-MRY-1	MP-MRY-3	MP-MRY-3 Other	SP-09	Total	MS-MRY-1	MS-MRY-1 Other	MP-MRY-3	SP-09	Total	MRY-1	MRY-1 Other	MRY-1 to Milne Port	MP-MRY-3	Total	MRY-1	MRY-1 to Milne Port	MP-MRY-3	Total	MRY-1	MP-MRY-3	Total
	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)	(m^3)
1	0.0	24.6	0.0	0.0	24.6	18.9	0.0	30.3	0.0	49.2	25.0	0.0	0.0	15.1	40.1	26.1	15.1	30.3	71.5	23.8	30.3	54.1
2	27.3	32.8	0.0	3.8	63.9	18.9	0.0	15.1	0.0	34.0	15.1	0.0	0.0	30.3	45.4	25.7	15.1	30.3	71.1	51.9	30.3	82.1
3	26.1	16.4	0.0	0.0	42.5	18.5	0.0	30.3	0.0	48.8	18.9	0.0	0.0	30.3	49.2	18.9	15.1	30.3	64.3	25.4	30.3	55.6
4	0.0	32.8	0.0	0.0	32.8	23.1	0.0	30.3	5.5	58.9	17.0	0.0	0.0	30.3	47.3	26.5	15.1	45.4	87.0	44.3	30.3	74.6
5	25.7	16.4	0.0	3.8	45.9	22.7	0.0	30.3	0.0	53.0	18.5	0.0	0.0	30.3	48.8	21.6	15.1	45.4	82.1	25.0	30.3	55.3
6	19.3	32.8	0.0	0.0	52.1	18.9	0.0	30.3	0.0	49.2	16.3	0.0	0.0	45.4	61.7	25.4	0.0	30.3	55.7	26.5	30.3	56.8
7	0.0	16.4	0.0	0.0	16.4	20.8	0.0	30.3	0.0	51.1	16.7	0.0	0.0	45.4	62.1	22.7	0.0	45.4	68.1	25.0	30.3	55.3
8	30.7	32.8	0.0	0.0	63.5	18.9	0.0	30.3	0.0	49.2	15.5	37.9	0.0	30.3	83.7	22.7	0.0	45.4	68.1	26.5	30.3	56.8
9	0.0	16.4	0.0	3.8	20.2	20.1	0.0	45.4	0.0	65.5	33.3	0.0	0.0	45.4	78.7	37.5	0.0	30.3	67.8	24.6	30.3	54.9
10	23.5	32.8	0.0	0.0	56.3	26.5	0.0	30.3	0.0	56.8	17.0	0.0	0.0	30.3	47.3	20.1	0.0	30.3	50.4	26.9	22.7	49.6
11	0.0	16.4	0.0	4.5	20.9	17.8	0.0	30.3	0.0	48.1	15.5	0.0	0.0	30.3	45.8	22.7	0.0	30.3	53.0	32.2	45.4	77.6
12	34.4	32.8	0.0	0.0	67.2	15.9	0.0	30.3	0.0	46.2	17.0	0.0	0.0	45.4	62.4	22.3	0.0	30.3	52.6	26.1	30.3	56.4
13	0.0	16.4	0.0	0.0	16.4	18.5	0.0	30.3	0.0	48.8	21.2	0.0	0.0	45.4	66.6	24.2	0.0	45.4	69.6	24.6	30.3	54.9
14	33.7	32.8	0.0	4.5	71.0	18.2	0.0	16.4	0.0	34.6	18.9	0.0	0.0	45.4	64.3	28.4	0.0	30.3	58.7	24.2	30.3	54.5
15	19.7	16.4	8.2	0.0	44.3	19.3	6.8	37.9	0.0	64.0	20.1	0.0	0.0	45.4	65.5	27.6	0.0	30.3	57.9	25.7	30.3	56.0
16	14.8	32.8	8.2	0.0	55.8	19.3	0.0	30.3	0.0	49.6	18.5	0.0	0.0	60.6	79.1	23.5	0.0	45.4	68.9	27.3	0.0	27.3
17	14.8	16.4	8.2	3.8	43.2	22.0	0.0	16.4	0.0	38.4	22.3	0.0	0.0	45.4	67.7	25.7	0.0	30.3	56.0	43.2	0.0	43.2
18	20.8	32.8	8.2	0.0	61.8	19.3	0.0	24.6	0.0	43.9	21.6	0.0	0.0	45.4	67.0	23.5	0.0	30.3	53.8	22.7	15.1	37.9
19	17.8	16.4	0.0	3.8	38.0	19.3	0.0	30.3	0.0	49.6	20.4	0.0	0.0	45.4	65.8	3.8	0.0	30.3	34.1	19.7	15.1	34.8
20	26.9	32.8	8.2	0.0	67.9	18.2	0.0	30.3	0.0	48.5	8.3	0.0	0.0	45.4	53.7	37.9	0.0	15.1	53.0	17.4	30.3	47.7
21	5.7	32.8	0.0	3.8	42.3	19.7	0.0	16.4	0.0	36.1	24.6	7.9	0.0	30.3	62.8	21.6	0.0	15.1	36.7	19.3	15.1	34.4
22	18.5	32.8	0.0	0.0	51.3	18.2	0.0	16.4	0.0	34.6	20.8	0.0	0.0	45.4	66.2	31.4	0.0	45.4	76.8	22.7	15.1	37.9
23	18.7	32.8	0.0	0.0	51.5	24.6	0.0	24.6	0.0	49.2	22.7	0.0	0.0	45.4	68.1	33.7	0.0	45.4	79.1	18.5	0.0	18.5
24	18.7	32.8	0.0	3.8	55.3	26.1	0.0	30.3	0.0	56.4	19.3	0.0	0.0	45.4	64.7	56.0	0.0	45.4	101.4	20.1	0.0	20.1
25	18.2	32.8	0.0	0.0	51.0	36.0	0.0	30.3	0.0	66.3	19.3	0.0	0.0	81.0	100.3	26.5	0.0	45.4	71.9	35.6	0.0	35.6
26	17.0	49.2	0.0	0.0	66.2	20.1	0.0	30.3	0.0	50.4	18.2	0.0	0.0	45.4	63.6	32.2	0.0	15.1	47.3	14.8	15.1	29.9
27	15.9	24.4	7.1	4.5	51.9	18.9	0.0	30.3	0.0	49.2	24.3	0.0	0.0	60.6	84.9	30.3	0.0	45.4	75.7	21.2	15.1	36.3
28	18.5	30.3	0.0	0.0	48.8	20.1	0.0	15.1	0.0	35.2	17.5	0.0	0.0	60.6	78.1	45.8	0.0	30.3	76.1	20.4	30.3	50.7
29	17.0	38.5	0.0	0.0	55.5	19.3	0.0	30.3	0.0	49.6	24.1	0.0	0.0	45.4	69.5	26.5	0.0	45.4	71.9	15.5	30.3	45.8
30	19.3	15.1	0.0	3.3	37.7	20.1	0.0	30.3	0.0	50.4	24.0	0.0	0.0	45.4	69.4	20.4	0.0	30.3	50.7	17.0	30.3	47.3
31	20.1	15.1	0.0	3.8	39.0						21.2	0.0	13.2	45.4	79.8					11.4	15.1	26.5
Total	**523.1**	836.8	48.1	47.2	1,455.2	**618.2**	6.8	834.3	5.5	1,464.8	**613.1**	45.8	13.2	1,337.5	2,009.6	**811.2**	75.5	1,044.6	1,931.3	**779.4**	688.9	1,468.4

Note:
Transition between Type 'B' Water Licence and New Type 'A' Water Licence occurred in July 2013. Water Licence monitoring IDs from January to July 2013 correspond to Type 'B' Licence terminology. After July 2013, Type 'A' terminology was adopted for monitoring IDs.

	Crown Land - Steensby Port
MRY-1	Camp Lake Freshwater Use (Mine Site) - Daily Potable Water (m^3) - MRY-1
MRY-1 Other	Camp Lake Daily Freshwater Use for Other Purposes (m^3) - MRY-1 September 15 and October 21, 2013 - Fire Suppression Onion Skin May 16 to June 21, 2013 - Steamer October 8, 2013 - Begin Seeding MS-01 Mine Site Sewage Treatment Facility
MRY-1 to Milne Port	Camp Lake Daily Fresh Water Trucked to Milne Port (m^3)
Steensby Port/SP-09	Three Km Lake Steensby Port Daily Potable Water (m^3)
Milne Port MRY-3/MP-MRY-3	Phillips Creek KM 32 Milne Port Daily Potable Water (m^3) - MRY-3 October 25 - commissioning new potable water treament system
MP-MRY-3 Other	Phillips Creek KM 32 Milne Port Daily Water for Other Purposes (m^3) - MP-MRY-3 July 6, 25, & 26 - Construction August 15, 16, 17, 18, 20, & 27 - Dust Suppression

The designations for the camps have been modified from previous years so as to be in alignment with the terminologies used in the documentation for the approved Project. The following changes have been made from previous annual reports:
* Milne Inlet Camp site is now termed Milne Port;
* Mary River Camp site is now termed Mine Site; and,
* Steensby Inlet Campsite is now termed Steensby Port.

Baffinland

TABLE 2.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
MONTHLY AND ANNUAL QUANTITIES OF TREATED SEWAGE EFFLUENT AND SLUDGE REMOVED

Day	January	February	March	April	May		June					July				
	MRY-4 *	MRY-4 *	MRY-4 *	MRY-4 *	MRY-4 *	MRY-5 *	MRY-4 *	MRY-4a,b,c***	MRY-5 *	MRY-5 to MRY-4a *	MRY-5a**	MRY-4 *	MRY-5a to MRY-4a	MRY-5 to MRY-5a	MRY-5 to MRY-4a **	MRY-5 to MP-01a **
1	0.0	0.0	0.0	0.0	0.0	0.0	28.8	0.0	0.0	16.4	0.0	20.4	0.0	16.4	0.0	0.0
2	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	16.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	23.5	0.0	16.4	0.0	0.0
4	0.0	0.0	23.5	0.0	38.6	0.0	29.9	0.0	0.0	0.0	0.0	21.6	0.0	16.4	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	16.4	0.0	0.0
6	0.0	15.5	0.0	23.5	18.5	0.0	17.8	0.0	0.0	16.4	0.0	20.8	0.0	16.4	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	22.0	0.0	16.4	0.0	0.0
8	0.0	0.0	0.0	0.0	12.5	0.0	17.8	0.0	0.0	8.2	0.0	0.0	0.0	32.8	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	27.3	0.0	16.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	24.6	0.0	35.6	0.0	0.0	8.2	64.1	29.1	0.0	0.0	22.7	0.0
12	0.0	11.4	10.6	0.0	0.0	0.0	0.0	326.0	0.0	8.2	52.9	0.0	0.0	0.0	22.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	24.6	349.0	0.0	16.4	0.0	25.7	0.0	0.0	11.4	0.0
14	0.0	0.0	0.0	0.0	27.3	0.0	0.0	353.0	0.0	24.6	0.0	0.0	0.0	0.0	22.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	25.4	368.0	0.0	8.2	0.0	28.0	0.0	0.0	11.4	0.0
16	0.0	0.0	0.0	23.1	0.0	0.0	16.7	372.0	0.0	16.4	0.0	12.5	0.0	0.0	11.4	0.0
17	0.0	0.0	0.0	0.0	26.1	0.0	10.2	354.0	0.0	8.2	0.0	22.3	0.0	0.0	11.4	0.0
18	0.0	0.0	0.0	0.0	30.7	0.0	12.5	322.0	0.0	8.2	0.0	0.0	11.4	0.0	22.7	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	16.4	0.0	25.0	11.4	0.0	22.7	0.0
20	0.0	0.0	0.0	0.0	15.9	0.0	11.7	0.0	0.0	16.4	0.0	0.0	11.4	0.0	11.4	0.0
21	19.7	0.0	18.2	0.0	6.4	8.2	13.2	0.0	0.0	16.4	128.1	25.7	22.8	0.0	11.4	0.0
22	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	16.4	0.0	0.0	0.0	22.7	0.0	0.0
23	0.0	19.7	0.0	0.0	0.0	8.2	19.7	0.0	0.0	16.4	0.0	25.7	0.0	22.7	0.0	0.0
24	0.0	0.0	0.0	0.0	25.7	8.2	0.0	0.0	8.2	0.0	0.0	13.2	0.0	22.7	0.0	0.0
25	0.0	0.0	0.0	0.0	15.1	8.2	26.1	0.0	16.4	0.0	0.0	26.5	0.0	14.2	0.0	0.0
26	0.0	0.0	17.4	0.0	0.0	8.2	11.4	0.0	16.4	0.0	0.0	0.0	0.0	34.1	0.0	0.0
27	0.0	0.0	0.0	0.0	17.0	8.2	0.0	0.0	24.6	0.0	0.0	32.2	0.0	16.4	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	8.2	26.9	0.0	16.4	0.0	0.0	0.0	0.0	8.2	0.0	0.0
29	11.7	0.0	0.0	29.1	22.0	8.2	16.3	0.0	16.4	0.0	0.0	26.9	0.0	0.0	0.0	8.2
30	0.0		0.0	0.0	0.0	8.2	0.0	0.0	32.8	0.0	0.0	0.0	0.0	0.0	0.0	16.4
31	0.0		0.0		0.0	8.2						26.5	0.0	0.0	0.0	32.8
Total	57.1	46.6	69.7	75.7	280.4	90.2	358.6	2,444.0	131.2	278.8	245.1	454.9	57.0	305.0	181.9	57.4

Day	August			September				October			November		December	
	MS-MRY-4 *	MS-MRY-4a,b,c***	MP-MRY-4 to MP-01a **	MS-MRY-4 *	MP-MRY-04 to MP-MRY-04a	MP-MRY-04 to MP-01a	MP-01 to MP-01a	MS-MRY-4 *	MP-01 to MP-01a	MP-01 to Milne Inlet	MS-MRY-4 *	MP-01 to Milne Inlet	MS-MRY-4 *	MP-01
1	0.0	0.0	24.6	18.9	11.4	30.3	0.0	25.0	15.1	0.0	26.1	30.3	23.8	30.3
2	27.3	0.0	32.8	18.9	0.0	15.1	0.0	15.1	30.3	0.0	25.7	30.3	51.9	30.3
3	26.1	0.0	16.4	18.5	0.0	30.3	0.0	18.9	30.3	0.0	18.9	30.3	25.4	30.3
4	0.0	0.0	32.8	23.1	0.0	30.3	0.0	17.0	30.3	0.0	26.5	45.4	44.3	30.3
5	25.7	0.0	16.4	22.7	0.0	30.3	0.0	18.5	30.3	0.0	21.6	45.4	25.0	30.3
6	19.3	0.0	32.8	18.9	0.0	0.0	30.3	16.3	45.4	0.0	25.4	30.3	26.5	30.3
7	0.0	0.0	16.4	20.8	0.0	0.0	30.3	16.7	45.4	0.0	22.7	45.4	25.0	30.3
8	30.7	0.0	32.8	18.9	0.0	0.0	30.3	15.5	30.3	0.0	22.7	45.4	26.5	30.3
9	0.0	0.0	16.4	20.1	0.0	0.0	45.4	33.3	45.4	0.0	37.5	30.3	24.6	30.3
10	23.5	0.0	32.8	26.5	0.0	0.0	30.3	17.0	0.0	30.3	20.1	30.3	26.9	22.7
11	0.0	0.0	16.4	17.8	0.0	0.0	30.3	15.5	0.0	30.3	22.7	30.3	32.2	45.4
12	34.4	0.0	32.8	15.9	0.0	0.0	30.3	17.0	0.0	45.4	22.3	30.3	26.1	30.3
13	0.0	0.0	16.4	18.5	0.0	0.0	30.3	21.2	0.0	45.4	24.2	45.4	24.6	30.3
14	33.7	0.0	32.8	18.2	0.0	0.0	16.4	18.9	0.0	45.4	28.4	30.3	24.2	30.3
15	19.7	0.0	16.4	19.3	0.0	0.0	37.9	20.1	0.0	45.4	27.6	30.3	25.7	30.3
16	14.8	0.0	32.8	19.3	0.0	0.0	30.3	18.5	0.0	60.6	23.5	45.4	27.3	0.0
17	14.8	0.0	16.4	22.0	0.0	0.0	16.4	22.3	0.0	45.4	25.7	30.3	43.2	0.0
18	20.8	0.0	32.8	19.3	0.0	0.0	24.6	21.6	0.0	45.4	23.5	30.3	22.7	15.1
19	17.8	36.3	16.4	19.3	0.0	0.0	30.3	20.4	0.0	45.4	3.8	30.3	19.7	15.1
20	26.9	86.2	32.8	18.2	0.0	0.0	30.3	8.3	0.0	45.4	37.9	15.1	17.4	30.3
21	5.7	194.3	32.8	19.7	0.0	0.0	16.4	24.6	0.0	30.3	21.6	15.1	19.3	15.1
22	18.5	273.7	32.8	18.2	0.0	0.0	16.4	20.8	0.0	45.4	31.4	45.4	22.7	15.1
23	18.7	221.8	32.8	24.6	0.0	0.0	24.6	22.7	0.0	45.4	33.7	45.4	18.5	0.0
24	18.7	280.2	32.8	26.1	0.0	0.0	30.3	19.3	0.0	81.0	56.0	45.4	20.1	0.0
25	18.2	178.7	32.8	36.0	0.0	0.0	30.3	19.3	0.0	45.4	26.5	45.5	35.6	0.0
26	17.0	0.0	49.2	20.1	0.0	0.0	30.3	18.2	0.0	60.6	32.2	15.1	14.8	15.1
27	15.9	0.0	24.4	18.9	0.0	0.0	30.3	24.3	0.0	60.6	30.3	45.4	21.2	15.1
28	18.5	0.0	30.3	20.1	0.0	0.0	15.1	17.5	0.0	45.4	45.8	30.3	20.4	30.3
29	17.0	0.0	38.5	19.3	0.0	0.0	30.3	24.1	0.0	45.4	26.5	45.4	15.5	30.3
30	19.3	0.0	15.1	20.1	0.0	0.0	30.3	24.0	0.0	45.4	20.4	30.3	17.0	30.3
31	20.1	0.0	15.1					21.2	0.0	45.4			11.4	15.1
Total	523.1	1,271.2	836.8	618.2	11.4	136.3	698.0	613.1	302.8	1,034.7	811.2	1,044.7	779.5	688.9

Notes:

*All effluent from MRY-4 / MS-MRY-4 (Mine Site Waste Water Treatement Facility (WWTF)) discharged to Polishing Waste Stabilization Ponds (PWSPs) Nos. 2 or 3.

** All effluent from MRY-5a (Milne Port PWSP) discharged to Milne Inlet.

*** All effluent from MRY-4a,b,c (Mine Site PWSPs Nos. 2 and 3) discharged to Sheardown Lake.

The designations for the camps have been modified from previous years so as to be in alignment with the terminologies used in the documentation for the approved Project. The following changes have been made from previous annual reports:
* Milne Inlet Camp site is now termed Milne Port;
* Mary River Camp site is now termed Mine Site; and,
* Steensby Inlet Campsite is now termed Steensby Port.

Transition between Type 'B' Water Licence and New Type 'A' Water Licence occurred in July 2013. Water Licence monitoring IDs from January to July 2013 correspond to Type 'B' Licence terminology. After July 2013, Type 'A' terminology was adopted for monitoring IDs.

Month	MRY-4 Mary River sludge to PWSP (m^3)	MRY-5 Milne Inlet sludge to PWSP (m^3)
January	0.0	0.0
February	0.0	0.0
March	0.0	0.0
April	0.0	0.0
May	16.0	0.0
June	8.0	4.0
July	0.0	9.0
August	11.4	29.0
September	36.0	47.0
October	0.0	0.0
November	18.0	8.5
December	0.0	0.0
Total	89.4	97.5

Note: All sludge from WWTF discharged to PWSP No. 1

Baffinland

TABLE 2.4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
LOCATION OF TEMPORARY AND PERMANENT STORAGE AREAS FOR WASTES

Description	UTM Coordinates (NAD83)		Latitude	Longitude
	Easting (m)	Northing (m)		
Milne Port				
Temporary empty fuel drum storage area	503,286	7,975,741	71° 52' 54"	80° 54' 19"
Temporary ash storage area	503,618	7,976,226	71° 53' 9"	80° 53' 44"
Temporary non-hazardous waste storage area (cleaned up during 2010)	503,618	7,976,226	71° 53' 9"	80° 53' 44"
Hazardous waste storage area	503,571	7,975,952	71° 52' 1"	80° 53' 49"
Mary River Mine Site				
Temporary empty fuel drum storage area	558,261	7,914,538	71° 19' 33"	79° 22' 10"
Temporary hazardous materials storage area	558,205	7,914,561	71° 19' 34"	79° 22' 15"
Temporary non-hazardous waste storage area/bone yard (largely cleaned up during 2010)	559,014	7,914,268	71° 19' 24"	79° 20' 55"
Temporary non-hazardous waste storage area (largely cleaned up duirng 2010)	559,310	7,913,869	71° 19' 11"	79° 20' 27"
Temporary empty fuel drum storage area	559,014	7,914,268	71° 19' 24"	79° 20' 55"
Temporary ash storage area	559,097	7,914,210	71° 19' 22"	79° 20' 46"
Landfill	560,879	7,912,513	71° 18' 26"	79° 17' 52"
Mid-Rail				
Temporary hazardous waste and barrel fuel storage area	595,660	7,876,369	70° 58' 19"	78° 22' 13"
Steensby Port				
Temporary hazardous waste and barrel fuel storage area	594,679	7,800,514	70° 17' 35"	78° 29' 1"
Drilling Activities				
Natural depressions/sumps	Located adjacent to drillhole locations; refer to Table 1.3			

Note:
1. Locations are approximate.

The designations for the camps have been modified from previous years so as to be in alignment with the terminologies used in the documentation for the approved Project. The following changes have been made from previous annual reports:

* Milne Inlet Camp site is now termed Milne Port;
* Mary River Camp site is now termed Mine Site; and,
* Steensby Inlet Campsite is now termed Steensby Port.

Baffinland

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
WATER LICENCE WATER QUALITY MONITORING LOCATIONS

Monitoring Station	Description	UTM Coordinates (NAD83)		Latitude	Longitude
		Easting (m)	Northing (m)		
Milne Port Site					
MP-MRY-2 (MRY-2)	Fresh Water Intake at Philips Creek (Summer)	514,503	7,964,579	71° 46' 52" N	80° 35' 4" W
MP-MRY-3 (MRY-3)	Fresh Water Intake from Km 32 Lake (Winter)	521,547	7,953,735	71° 41' 00" N	80° 23' 09" W
MP-01	Milne Port Sewage Treatment Facilities (discharge into ditch prior to ocean)	503,209	7,976,485	71° 53' 18" N	80° 54' 27" W
MP-01a	Milne Port Waste Stabilisation Pond (PWSP)	503,625	7,976,015	71° 53' 03" N	80° 53' 44" W
MP-02	Milne Port Maintenance Shop Oily water (WWTF)	503,319	7,975,805	71° 52' 56" N	80° 54' 16" W
MP-MRY-04 (MRY-5)	Milne Exploration Phase Sewage Treatment Facilities (to become inactive after transition period)	503,462	7,975,764	71° 52' 55" N	80° 54' 1" W
MP-MRY-04a (MRY-5a)	Milne Exploration Phase Sewage PWSP (to become inactive after transition period)	503,344	7,976,118	71° 53' 6" N	80° 54' 13" W
MP-MRY-7 (MRY-7)	Milne Exploration Phase Bladder Farm Fuel Storage Facility Storm water (to become inactive after Transition period)	503,309	7,976,097	71° 53' 6" N	80° 54' 17" W
MP-MRY-12 (MRY-12)	Bulk Sample Stockpile Area Seepage	503,357	7,976,453	71° 53' 17" N	80° 54' 11" W
MP-C-A	Surface discharge downstream of construction area at Milne Port	503,214	7,976,483	71° 53' 18" N	80° 54' 27" W
MP-C-B		503,191	7,975,396	71° 52' 43" N	80° 54' 29" W
MP-C-C		503,436	7,975,427	71° 52' 44.0" N	80° 54' 03.7" W
MP-C-D		503,651	7,976,363	71° 53' 14" N	80° 53' 41" W
MP-C-E		503,736	7,976,346	71° 53' 13.7" N	80° 53' 32.4" W
MP-C-F		503,922	7,976,304	71° 53' 12" N	80° 53' 13" W
MP-C-G		503,006	7,976,484	71° 53' 18.2" N	80° 54' 48.1" W
MP-C-H		504,113	7,976,509	71° 53' 18.9" N	80° 52' 53.2" W
MP-Q1-01	Surface Runoff and or Discharge Quarries	503,828	7,975,062	71° 52' 32" N	80° 53' 23" W
MP-Q1-02		503,811	7,975,272	71° 52' 39" N	80° 53' 25" W
Mary River Mine Site					
MS-MRY-1 (MRY-1)	Fresh Water Intake from Camp Lake	557,793	7,914,684	71° 19' 38.6" N	79° 22' 57" W
MS-01	Mine Site Sewage Treatment Facilities	561,322	7,913,257	71° 18' 49.4"	79° 17' 5.6" W
MS-MRY-4 (MRY-4)	Exploration Camp Sewage Treaatment Facility	558,141	7,914,427	71° 19' 30" N	79° 22' 22.6" W
MS-MRY-4a (MRY-4a)	Exploration Camp Polishing Waste Stabilization Ponds (PWSP)	558,470	7,914,237	71° 19' 23.6" N	79° 21' 50" W
MS-MRY-6 (MRY-6)	Exploration Camp Bulk Fuel Storage Facility (Bladder Farm) Stormwater	558,186	7,914,780	71° 19' 41" N	79° 22' 17" W
MS-MRY-9 (MRY-9)	Bulk Sample Open Pit - Suface water drainage (to become inactive in future)	563,246	7,914,632	71° 19' 32" N	79° 13' 48" W
MS-MRY-10 (MRY-10)	Bulk Sample Weathered Ore Stockpile - Downstream surface water drainage (to become inactive in the future)	563,488	7,915,197	71° 19' 50" N	79° 13' 22" W
MRY-11	Bulk Sample Processing - Downstream surface water discharge (to become inactive in the future)	560,690	7,913,350	71° 18' 53" N	79° 18' 09" W

TABLE 2.5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
WATER LICENCE WATER QUALITY MONITORING LOCATIONS

Monitoring Station	Description	UTM Coordinates (NAD83) Easting (m)	UTM Coordinates (NAD83) Northing (m)	Latitude	Longitude
MS-MRY-13a & MS-MRY-13b (MRY-13a, MRY-13b)	Non-Hazarous Waste Landfill - Downstream surface water drainage	13a: 560,754 13b: 560,642	13a: 7,912,484 13b: 7,912,527	13a: 71° 18' 25" N 13b: 71° 18'26.5" N	13a: 79° 18' 5" W 13b: 79° 18' 16.1" W
MS-C-A	Surface discharge downstream of construction area at Mine Site	561,263	7,913,571	71° 18' 59.6" N	79° 17' 10.7" W
MS-C-B		561,454	7,913,537	71° 18' 58" N	79° 16' 52" W
MS-C-C		561,110	7,913,199	71° 18' 48" N	79° 17' 27" W
MS-C-D		561,008	7,913,280	71° 18' 50" N	79° 17' 37" W
MS-C-E		560,980	7,913,388	71° 18' 54" N	79° 17' 40" W
MS-C-F		561,797	7,913,278	71° 18' 49" N	79° 16' 17.8" W
MQ-C-B	Surface Runoff and or Discharge Quarries	560,083	7,913,905	71° 19' 11.4" N	79° 19' 09" W
MQ-C-D		559,447	7,914,258	71° 19' 23.4" N	79° 20' 12" W

Notes:
The designations for the camps have been modified from previous years so as to be in alignment with the terminologies used in the documentation for the approved Project. The following changes have been made from previous annual reports:
* Milne Inlet Camp site is now termed Milne Port;
* Mary River Camp site is now termed Mine Site; and,
* Steensby Inlet Campsite is now termed Steensby Port.

Monitoring Station names cooerspond to Water Licence No: 2AM-MRY1325, names in brackets correspond to Water Licence No: 2BB-MRY1114
Monitoring Station names beginning with MP-C and MS-C correspond to Water Licence No: 8BC-MRY1314
Monitoring Station names beginning with MP-Q and MQ-C correspond to QIA Quarry Lease and Quarry Management Plans
The locations of the following Monitoring Stations have not been established at this stage of construction:

MP-03	Milne Port Bulk Fuel Storage Facility Stormwater
MP-04	Milne Port Landfarm Facility Storm water
MS-01a	Mine Site Polishing/Waste Stabilization Pond (PWSP)
MS-02	Mine Site Maintenance Shop Oily Water WWTF
MS-03	Mine Site Bulk Fuel Storage Facility Stormwater
MS-04	Mine Site Fuel Unloading Station Stormwater
MS-05	Mine Site Landfarm Facility Stormwater
MS-06+	Ore Stockpile Pond Stormwater
MS-07	Run of Mine Ore Stockpile Pond Stormwater
MS-08	Waste Rock Stockpile West pond
MS-09	Waste Rock Stockpile East pond

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1006189	*MRY - 4*	*3-Jan-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1006189	*MRY - 4*	*3-Jan-13*	*Chemical Oxygen Demand*	19	*mg/L*	*Exova Accutest*
1006195	*MRY - 4*	*3-Jan-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1006189	*MRY - 4*	*3-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1006189	*MRY - 4*	*3-Jan-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1006189	*MRY - 4*	*3-Jan-13*	*pH*	7.83	*pH units*	*Exova Accutest*
1006190	*MRY - 401*	*3-Jan-13*	*Biochemical Oxygen Demand*	1	*mg/L*	*Exova Accutest*
1006190	*MRY - 401*	*3-Jan-13*	*Chemical Oxygen Demand*	11	*mg/L*	*Exova Accutest*
1006196	*MRY - 401*	*3-Jan-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1006190	*MRY - 401*	*3-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1006190	*MRY - 401*	*3-Jan-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1006190	*MRY - 401*	*3-Jan-13*	*pH*	7.86	*pH units*	*Exova Accutest*
1006191	*MRY - 402*	*3-Jan-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1006191	*MRY - 402*	*3-Jan-13*	*Chemical Oxygen Demand*	<5	*mg/L*	*Exova Accutest*
1006197	*MRY - 402*	*3-Jan-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1006191	*MRY - 402*	*3-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1006191	*MRY - 402*	*3-Jan-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1006191	*MRY - 402*	*3-Jan-13*	*pH*	7.82	*pH units*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Chemical Oxygen Demand*	<5	*mg/L*	*Exova Accutest*
1006198	*MRY - 403*	*3-Jan-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*pH*	8.43	*pH units*	*Exova Accutest*
1009089	*MRY - 4*	*24-Jan-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1009089	*MRY - 4*	*24-Jan-13*	*Chemical Oxygen Demand*	8	*mg/L*	*Exova Accutest*
	MRY - 4	*24-Jan-13*	*Faecal Coliforms*	*	*ct/100mL*	*Exova Accutest*
1009089	*MRY - 4*	*24-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1009089	*MRY - 4*	*24-Jan-13*	*Total Suspended Solids*	5	*mg/L*	*Exova Accutest*
1009089	*MRY - 4*	*24-Jan-13*	*pH*	7.86	*pH units*	*Exova Accutest*
Notes:	MRY-401 is a field duplicate of MRY-4 MRY-402 is a field blank of MRY-4 MRY-403 is a travel blank of MRY-4 * Feacal coliform analysis was not performed as the holding time for the samples was exceeded due to flight cancelations.					
1011996	*MRY - 4*	*14-Feb-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1011996	*MRY - 4*	*14-Feb-13*	*Chemical Oxygen Demand*	6	*mg/L*	*Exova Accutest*
1011999	*MRY - 4*	*14-Feb-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1011996	*MRY - 4*	*14-Feb-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1011996	*MRY - 4*	*14-Feb-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1011996	*MRY - 4*	*14-Feb-13*	*pH*	7.86	*pH units*	*Exova Accutest*
1014884	*MRY - 4*	*7-Mar-13*	*Biochemical Oxygen Demand*	1	*mg/L*	*Exova Accutest*
1014884	*MRY - 4*	*7-Mar-13*	*Chemical Oxygen Demand*	12	*mg/L*	*Exova Accutest*
1014864	*MRY - 4*	*7-Mar-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1014884	*MRY - 4*	*7-Mar-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1014884	*MRY - 4*	*7-Mar-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1014884	*MRY - 4*	*7-Mar-13*	*pH*	7.62	*pH units*	*Exova Accutest*
1014887	*MRY - 401*	*7-Mar-13*	*Biochemical Oxygen Demand*	2	*mg/L*	*Exova Accutest*
1014887	*MRY - 401*	*7-Mar-13*	*Chemical Oxygen Demand*	10	*mg/L*	*Exova Accutest*
1014867	*MRY - 401*	*7-Mar-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1014887	*MRY - 401*	*7-Mar-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1014887	*MRY - 401*	*7-Mar-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1014887	*MRY - 401*	*7-Mar-13*	*pH*	7.72	*pH units*	*Exova Accutest*
1018162	*MRY - 4*	*28-Mar-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1018162	*MRY - 4*	*28-Mar-13*	*Chemical Oxygen Demand*	12	*mg/L*	*Exova Accutest*
1018165	*MRY - 4*	*28-Mar-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1018162	*MRY - 4*	*28-Mar-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1018162	*MRY - 4*	*28-Mar-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1018162	*MRY - 4*	*28-Mar-13*	*pH*	7.56	*pH units*	*Exova Accutest*
Notes:	MRY-401 is a duplicate sample of MRY-4 for QA/QC purposes.					
1021685	*MRY - 4*	*17-Apr-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1021685	*MRY - 4*	*17-Apr-13*	*Chemical Oxygen Demand*	11	*mg/L*	*Exova Accutest*
1021532	*MRY - 4*	*17-Apr-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1021685	*MRY - 4*	*17-Apr-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1021685	*MRY - 4*	*17-Apr-13*	*Total Suspended Solids*	5	*mg/L*	*Exova Accutest*
1021685	*MRY - 4*	*17-Apr-13*	*pH*	7.77	*pH units*	*Exova Accutest*
1027960	*MRY - 4*	*9-May-13*	*Biochemical Oxygen Demand*	6	*mg/L*	*Exova Accutest*
1027960	*MRY - 4*	*9-May-13*	*Chemical Oxygen Demand*	41	*mg/L*	*Exova Accutest*
1027964	*MRY - 4*	*9-May-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1027960	*MRY - 4*	*9-May-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1027960	*MRY - 4*	*9-May-13*	*Total Suspended Solids*	10	*mg/L*	*Exova Accutest*
1027960	*MRY - 4*	*9-May-13*	*pH*	7.37	*pH units*	*Exova Accutest*
1027961	*MRY - 401*	*9-May-13*	*Biochemical Oxygen Demand*	6	*mg/L*	*Exova Accutest*
1027961	*MRY - 401*	*9-May-13*	*Chemical Oxygen Demand*	39	*mg/L*	*Exova Accutest*
1027965	*MRY - 401*	*9-May-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1027961	*MRY - 401*	*9-May-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1027961	*MRY - 401*	*9-May-13*	*Total Suspended Solids*	8	*mg/L*	*Exova Accutest*
1027961	*MRY - 401*	*9-May-13*	*pH*	7.36	*pH units*	*Exova Accutest*
1031638	*MRY-4*	*6-Jun-13*	*Biochemical Oxygen Demand*	23	*mg/L*	*Exova Accutest*
1031643	*MRY-4*	*6-Jun-13*	*Faecal Coliforms*	1	*ct/100mL*	*Exova Accutest*
1031638	*MRY-4*	*6-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031638	*MRY-4*	*6-Jun-13*	*Total Suspended Solids*	42**	*mg/L*	*Exova Accutest*
1031638	*MRY-4*	*6-Jun-13*	*pH*	7.85	*pH units*	*Exova Accutest*
1032056	*MRY-4*	*10-Jun-13*	*Biochemical Oxygen Demand*	21	*mg/L*	*Exova Accutest*
1032063	*MRY-4*	*10-Jun-13*	*Faecal Coliforms*	2	*ct/100mL*	*Exova Accutest*
1032056	*MRY-4*	*10-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1032056	*MRY-4*	*10-Jun-13*	*Total Suspended Solids*	26	*mg/L*	*Exova Accutest*
1032056	*MRY-4*	*10-Jun-13*	*pH*	7.91	*pH units*	*Exova Accutest*
1033935	*MRY-4*	*17-Jun-13*	*Biochemical Oxygen Demand*	19	*mg/L*	*Exova Accutest*
1033954	*MRY-4*	*17-Jun-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1033935	*MRY-4*	*17-Jun-13*	*Oil & Grease - Total*	4	*mg/L*	*Exova Accutest*
1033935	*MRY-4*	*17-Jun-13*	*Total Suspended Solids*	24	*mg/L*	*Exova Accutest*
1033935	*MRY-4*	*17-Jun-13*	*pH*	7.56	*pH units*	*Exova Accutest*
1036133	*MRY-4*	*24-Jun-13*	*Biochemical Oxygen Demand*	22	*mg/L*	*Exova Accutest*
1036101	*MRY-4*	*24-Jun-13*	*Faecal Coliforms*	20	*ct/100mL*	*Exova Accutest*
1036133	*MRY-4*	*24-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1036133	*MRY-4*	*24-Jun-13*	*Total Suspended Solids*	31	*mg/L*	*Exova Accutest*
1036133	*MRY-4*	*24-Jun-13*	*pH*	7.01	*pH units*	*Exova Accutest*
1031639	*MRY-401*	*6-Jun-13*	*Biochemical Oxygen Demand*	24	*mg/L*	*Exova Accutest*
1031644	*MRY-401*	*6-Jun-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1031639	*MRY-401*	*6-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031639	*MRY-401*	*6-Jun-13*	*Total Suspended Solids*	34	*mg/L*	*Exova Accutest*
1031639	*MRY-401*	*6-Jun-13*	*pH*	7.50	*pH units*	*Exova Accutest*
1032059	*MRY-401*	*10-Jun-13*	*Biochemical Oxygen Demand*	19	*mg/L*	*Exova Accutest*
1032066	*MRY-401*	*10-Jun-13*	*Faecal Coliforms*	1	*ct/100mL*	*Exova Accutest*
1032059	*MRY-401*	*10-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1032059	*MRY-401*	*10-Jun-13*	*Total Suspended Solids*	13	*mg/L*	*Exova Accutest*
1032059	*MRY-401*	*10-Jun-13*	*pH*	7.83	*pH units*	*Exova Accutest*
1033936	*MRY-401*	*17-Jun-13*	*Biochemical Oxygen Demand*	17	*mg/L*	*Exova Accutest*
1033955	*MRY-401*	*17-Jun-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1033936	*MRY-401*	*17-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033936	*MRY-401*	*17-Jun-13*	*Total Suspended Solids*	22	*mg/L*	*Exova Accutest*
1033936	*MRY-401*	*17-Jun-13*	*pH*	7.62	*pH units*	*Exova Accutest*
1036134	*MRY-401*	*24-Jun-13*	*Biochemical Oxygen Demand*	20	*mg/L*	*Exova Accutest*
1036102	*MRY-401*	*24-Jun-13*	*Faecal Coliforms*	10	*ct/100mL*	*Exova Accutest*
1036134	*MRY-401*	*24-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1036134	*MRY-401*	*24-Jun-13*	*Total Suspended Solids*	34	*mg/L*	*Exova Accutest*
1036134	*MRY-401*	*24-Jun-13*	*pH*	7.03	*pH units*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1031645	*MRY-402*	*6-Jun-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*pH*	5.56	*pH units*	*Exova Accutest*
1030653	*MRY-4B*	*2-Jun-13*	*Biochemical Oxygen Demand*	5	*mg/L*	*Exova Accutest*
1030609	*MRY-4B*	*2-Jun-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1030653	*MRY-4B*	*2-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1030653	*MRY-4B*	*2-Jun-13*	*Total Suspended Solids*	12	*mg/L*	*Exova Accutest*
1030653	*MRY-4B*	*2-Jun-13*	*pH*	7.27	*pH units*	*Exova Accutest*
1030858	*MRY-4B*	*3-Jun-13*	*Toxicity**	Non-lethal	-	*Exova Accutest*
1030654	*MRY-4C*	*2-Jun-13*	*Biochemical Oxygen Demand*	11	*mg/L*	*Exova Accutest*
1030610	*MRY-4C*	*2-Jun-13*	*Faecal Coliforms*	90	*ct/100mL*	*Exova Accutest*
1030654	*MRY-4C*	*2-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1030654	*MRY-4C*	*2-Jun-13*	*Total Suspended Solids*	6	*mg/L*	*Exova Accutest*
1030654	*MRY-4C*	*2-Jun-13*	*pH*	7.45	*pH units*	*Exova Accutest*
1030859	*MRY-4C*	*3-Jun-13*	*Toxicity**	Non-lethal	-	*Exova Accutest*
1034874	*MRY-4C*	*18-Jun-13*	*Biochemical Oxygen Demand*	9	*mg/L*	*Exova Accutest*
1034873	*MRY-4C*	*18-Jun-13*	*Faecal Coliforms*	1	*ct/100mL*	*Exova Accutest*
1034874	*MRY-4C*	*18-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1034874	*MRY-4C*	*18-Jun-13*	*Total Suspended Solids*	11	*mg/L*	*Exova Accutest*
1034874	*MRY-4C*	*18-Jun-13*	*pH*	7.39	*pH units*	*Exova Accutest*
1031232	*MRY-5*	*5-Jun-13*	*Biochemical Oxygen Demand*	42	*mg/L*	*Exova Accutest*
1031272	*MRY-5*	*5-Jun-13*	*Faecal Coliforms*	78000**	*ct/100mL*	*Exova Accutest*
1031232	*MRY-5*	*5-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031232	*MRY-5*	*5-Jun-13*	*Total Suspended Solids*	42	*mg/L*	*Exova Accutest*
1031232	*MRY-5*	*5-Jun-13*	*pH*	7.70	*pH units*	*Exova Accutest*
1033187	*MRY-5A*	*11-Jun-13*	*Biochemical Oxygen Demand*	8	*mg/L*	*Exova Accutest*
1033187	*MRY-5A*	*11-Jun-13*	*Chemical Oxygen Demand*	27	*mg/L*	*Exova Accutest*
1033187	*MRY-5A*	*11-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033187	*MRY-5A*	*11-Jun-13*	*Total Suspended Solids*	14	*mg/L*	*Exova Accutest*
1033187	*MRY-5A*	*11-Jun-13*	*pH*	6.75	*pH units*	*Exova Accutest*
1033189	*MRY-5A*	*12-Jun-13*	*Biochemical Oxygen Demand*	7	*mg/L*	*Exova Accutest*
1033191	*MRY-5A*	*12-Jun-13*	*Faecal Coliforms*	4	*ct/100mL*	*Exova Accutest*
1033189	*MRY-5A*	*12-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033189	*MRY-5A*	*12-Jun-13*	*Total Suspended Solids*	9	*mg/L*	*Exova Accutest*
1033189	*MRY-5A*	*12-Jun-13*	*pH*	7.08	*pH units*	*Exova Accutest*
1033942	*MRY-6-1*	*16-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033942	*MRY-6-1*	*16-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033942	*MRY-6-1*	*16-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033942	*MRY-6-1*	*16-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033942	*MRY-6-1*	*16-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033945	*MRY-6-2*	*16-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033945	*MRY-6-2*	*16-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033945	*MRY-6-2*	*16-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033945	*MRY-6-2*	*16-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033945	*MRY-6-2*	*16-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033948	*MRY-6-3*	*16-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033948	*MRY-6-3*	*16-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033948	*MRY-6-3*	*16-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033948	*MRY-6-3*	*16-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033948	*MRY-6-3*	*16-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033951	*MRY-6-4*	*16-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033951	*MRY-6-4*	*16-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033951	*MRY-6-4*	*16-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033951	*MRY-6-4*	*16-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033951	*MRY-6-4*	*16-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1036610	*MRY-6*	*21-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1036610	*MRY-6*	*21-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1036610	*MRY-6*	*21-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1036610	*MRY-6*	*21-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1036610	*MRY-6*	*21-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1036615	*MRY-6*	*24-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1036615	*MRY-6*	*24-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1036615	*MRY-6*	*24-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1036615	*MRY-6*	*24-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1036615	*MRY-6*	*24-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1037856	*MRY-6*	*26-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1037856	*MRY-6*	*26-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033565	*MRY-7-1*	*13-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033565	*MRY-7-1*	*13-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033565	*MRY-7-1*	*13-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033565	*MRY-7-1*	*13-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033565	*MRY-7-1*	*13-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033566	*MRY-7-2*	*13-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033566	*MRY-7-2*	*13-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033566	*MRY-7-2*	*13-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033566	*MRY-7-2*	*13-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033566	*MRY-7-2*	*13-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1033567	*MRY-7-3*	*13-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1033567	*MRY-7-3*	*13-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1033567	*MRY-7-3*	*13-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1033567	*MRY-7-3*	*13-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1033567	*MRY-7-3*	*13-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1034868	*MRY-7*	*17-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1034868	*MRY-7*	*17-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1034868	*MRY-7*	*17-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1034868	*MRY-7*	*17-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1034868	*MRY-7*	*17-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1036137	*MRY-7*	*21-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1036137	*MRY-7*	*21-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1036137	*MRY-7*	*21-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1036137	*MRY-7*	*21-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1036137	*MRY-7*	*21-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1036618	*MRY-7*	*23-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1036618	*MRY-7*	*23-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1036618	*MRY-7*	*23-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1036618	*MRY-7*	*23-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1036618	*MRY-7*	*23-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1038312	*MRY-7*	*28-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1038312	*MRY-7*	*28-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1038312	*MRY-7*	*28-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1038312	*MRY-7*	*28-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1038312	*MRY-7*	*28-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1031224	*MRY-7A*	*4-Jun-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1031224	*MRY-7A*	*4-Jun-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1031224	*MRY-7A*	*4-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031224	*MRY-7A*	*4-Jun-13*	*Lead (Total)*	<0.001	*mg/L*	*Exova Accutest*
1031224	*MRY-7A*	*4-Jun-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1039245	*MRY-11-TP1*	*30-Jun-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1039245	*MRY-11-TP1*	*30-Jun-13*	*pH*	7.53	*pH units*	*Exova Accutest*
1039245	*MRY-11-TP1*	*30-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1039249	*MRY-11-TP1*	*30-Jun-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1039249	*MRY-11-TP1*	*30-Jun-13*	*Copper (Total)*	0.99	*ug/L*	*Exova Accutest*
1039249	*MRY-11-TP1*	*30-Jun-13*	*Lead (Total)*	0.22	*ug/L*	*Exova Accutest*
1039249	*MRY-11-TP1*	*30-Jun-13*	*Nickel (Total)*	0.64	*ug/L*	*Exova Accutest*
1039249	*MRY-11-TP1*	*30-Jun-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1039246	*MRY-11-TP2*	*30-Jun-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1039246	*MRY-11-TP2*	*30-Jun-13*	*pH*	8.00	*pH units*	*Exova Accutest*
1039246	*MRY-11-TP2*	*30-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1039250	*MRY-11-TP2*	*30-Jun-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1039250	*MRY-11-TP2*	*30-Jun-13*	*Copper (Total)*	0.76	*ug/L*	*Exova Accutest*
1039250	*MRY-11-TP2*	*30-Jun-13*	*Lead (Total)*	0.06	*ug/L*	*Exova Accutest*
1039250	*MRY-11-TP2*	*30-Jun-13*	*Nickel (Total)*	0.61	*ug/L*	*Exova Accutest*
1039250	*MRY-11-TP2*	*30-Jun-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1039247	*MRY-11-TP3*	*30-Jun-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1039247	*MRY-11-TP3*	*30-Jun-13*	*pH*	7.9	*pH units*	*Exova Accutest*
1039247	*MRY-11-TP3*	*30-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1039251	*MRY-11-TP3*	*30-Jun-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1039251	*MRY-11-TP3*	*30-Jun-13*	*Copper (Total)*	0.67	*ug/L*	*Exova Accutest*
1039251	*MRY-11-TP3*	*30-Jun-13*	*Lead (Total)*	0.10	*ug/L*	*Exova Accutest*
1039251	*MRY-11-TP3*	*30-Jun-13*	*Nickel (Total)*	<0.50	*ug/L*	*Exova Accutest*
1039251	*MRY-11-TP3*	*30-Jun-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1039248	*MRY-11-TP4*	*30-Jun-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1039248	*MRY-11-TP4*	*30-Jun-13*	*pH*	8.18	*pH units*	*Exova Accutest*
1039248	*MRY-11-TP4*	*30-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1039252	*MRY-11-TP4*	*30-Jun-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1039252	*MRY-11-TP4*	*30-Jun-13*	*Copper (Total)*	1.18	*ug/L*	*Exova Accutest*
1039252	*MRY-11-TP4*	*30-Jun-13*	*Lead (Total)*	0.15	*ug/L*	*Exova Accutest*
1039252	*MRY-11-TP4*	*30-Jun-13*	*Nickel (Total)*	0.91	*ug/L*	*Exova Accutest*
1039252	*MRY-11-TP4*	*30-Jun-13*	*Zinc (Total)*	3.1	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*pH, Laboratory*	*	*pH units*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Alkalinity, Total as mg CaCO3 equiv.*	*	*mg/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Conductivity in Laboratory*	*	*uS/cm*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Total Dissolved Solids*	*	*mg/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Total Suspended Solids*	*	*mg/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Oil & Grease - Total*	*	*mg/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Aluminum (Al) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Antimony (Sb) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Barium (Ba) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Cadmium (Cd) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Chromium (Cr) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Cobalt (Co) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Copper (Cu) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Iron (Fe) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Lead (Pb) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Lithium (Li) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Manganese (Mn) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Molybdenum (Mo) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Nickel (Ni) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Selenium (Se) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Tin (Sn) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Strontium (Sr) Total*	*	*ug/L*	*Exova Accutest*
*	*MRY-13A*	*18-Jun-13*	*Thallium (Tl) Total*	*	*ug/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
*	MRY-13A	18-Jun-13	Titanium (Ti) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jun-13	Uranium (U) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jun-13	Vanadium (V) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jun-13	Zinc (Zn) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jun-13	Arsenic (As) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jun-13	Mercury (Hg) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	pH, Laboratory	*	pH units	Exova Accutest
*	MRY-13B	18-Jun-13	Alkalinity, Total as mg CaCO3 equiv.	*	mg/L	Exova Accutest
*	MRY-13B	18-Jun-13	Conductivity in Laboratory	*	uS/cm	Exova Accutest
*	MRY-13B	18-Jun-13	Total Dissolved Solids	*	mg/L	Exova Accutest
*	MRY-13B	18-Jun-13	Total Suspended Solids	*	mg/L	Exova Accutest
*	MRY-13B	18-Jun-13	Oil & Grease - Total	*	mg/L	Exova Accutest
*	MRY-13B	18-Jun-13	Aluminum (Al) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Antimony (Sb) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Barium (Ba) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Cadmium (Cd) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Chromium (Cr) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Cobalt (Co) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Copper (Cu) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Iron (Fe) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Lead (Pb) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Lithium (Li) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Manganese (Mn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Molybdenum (Mo) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Nickel (Ni) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Selenium (Se) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Tin (Sn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Strontium (Sr) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Thallium (Tl) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Titanium (Ti) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Uranium (U) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Vanadium (V) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Zinc (Zn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Arsenic (As) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jun-13	Mercury (Hg) Total	*	ug/L	Exova Accutest

Notes:
* MRY-13A and MRY-13B -Laboratory results forthcoming. These results were included in the July Water Licence Report.
** Parameters exceed water licence criteria, however discharges were not to receiving environment.

1041844	MRY-4	8-Jul-13	Biochemical Oxygen Demand	15	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	Chemical Oxygen Demand	77	mg/L	Exova Accutest
1041773	MRY-4	8-Jul-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1041844	MRY-4	8-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	Total Suspended Solids	34	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	pH	7.81	pH units	Exova Accutest
1042948	MRY-4	16-Jul-13	Biochemical Oxygen Demand	35	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	Chemical Oxygen Demand	97	mg/L	Exova Accutest
1042853	MRY-4	16-Jul-13	Faecal Coliforms	102	ct/100mL	Exova Accutest
1042948	MRY-4	16-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	Total Suspended Solids	46*	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	pH	7.62	pH units	Exova Accutest
1044380	MRY-4	22-Jul-13	Biochemical Oxygen Demand	13	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	Chemical Oxygen Demand	70	mg/L	Exova Accutest
1044463	MRY-4	22-Jul-13	Faecal Coliforms	1	ct/100mL	Exova Accutest
1044380	MRY-4	22-Jul-13	Oil & Grease - Total	2	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	Total Suspended Solids	30	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	pH	7.59	pH units	Exova Accutest
1046519	MRY-4	29-Jul-13	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
1046519	MRY-4	29-Jul-13	Chemical Oxygen Demand	44	mg/L	Exova Accutest
1046616	MRY-4	29-Jul-13	Faecal Coliforms	15	ct/100mL	Exova Accutest
1046519	MRY-4	29-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1046519	MRY-4	29-Jul-13	Total Suspended Solids	22	mg/L	Exova Accutest
1046519	MRY-4	29-Jul-13	pH	7.57	pH units	Exova Accutest
1041847	MRY-401	8-Jul-13	Biochemical Oxygen Demand	15	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	Chemical Oxygen Demand	73	mg/L	Exova Accutest
1041776	MRY-401	8-Jul-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1041847	MRY-401	8-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	Total Suspended Solids	24	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	pH	7.56	pH units	Exova Accutest
1042949	MRY-401	16-Jul-13	Biochemical Oxygen Demand	22	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	Chemical Oxygen Demand	95	mg/L	Exova Accutest
1042854	MRY-401	16-Jul-13	Faecal Coliforms	11	ct/100mL	Exova Accutest
1042949	MRY-401	16-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	Total Suspended Solids	39*	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	pH	7.63	pH units	Exova Accutest
1044381	MRY-401	22-Jul-13	Biochemical Oxygen Demand	14	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	Chemical Oxygen Demand	62	mg/L	Exova Accutest
1044464	MRY-401	22-Jul-13	Faecal Coliforms	2	ct/100mL	Exova Accutest
1044381	MRY-401	22-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	Total Suspended Solids	27	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	pH	7.62	pH units	Exova Accutest
1039010	MRY-4A	2-Jul-13	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
1039010	MRY-4A	2-Jul-13	Chemical Oxygen Demand	183	mg/L	Exova Accutest
1039010	MRY-4A	2-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1039010	MRY-4A	2-Jul-13	Total Suspended Solids	48*	mg/L	Exova Accutest
1039010	MRY-4A	2-Jul-13	pH	8.33	pH units	Exova Accutest
1039008	MRY-4A	2-Jul-13	Toxicity**	Non-Lethal		Exova Accutest
1039011	MRY-4B	2-Jul-13	Biochemical Oxygen Demand	12	mg/L	Exova Accutest
1039011	MRY-4B	2-Jul-13	Chemical Oxygen Demand	108	mg/L	Exova Accutest
1039011	MRY-4B	2-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1039011	MRY-4B	2-Jul-13	Total Suspended Solids	30	mg/L	Exova Accutest
1039011	MRY-4B	2-Jul-13	pH	7.67	pH units	Exova Accutest
1045814	MRY-4B	24-Jul-13	Biochemical Oxygen Demand	34	mg/L	Exova Accutest
1045814	MRY-4B	24-Jul-13	Chemical Oxygen Demand	216	mg/L	Exova Accutest
1045892	MRY-4B	24-Jul-13	Faecal Coliforms	6	ct/100mL	Exova Accutest
1045814	MRY-4B	24-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1045814	MRY-4B	24-Jul-13	Total Suspended Solids	49*	mg/L	Exova Accutest
1045814	MRY-4B	24-Jul-13	pH	10.5	pH units	Exova Accutest
1039012	MRY-4C	2-Jul-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1039012	MRY-4C	2-Jul-13	Chemical Oxygen Demand	145	mg/L	Exova Accutest
1039012	MRY-4C	2-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1039012	MRY-4C	2-Jul-13	Total Suspended Solids	21	mg/L	Exova Accutest
1039012	MRY-4C	2-Jul-13	pH	7.85	pH units	Exova Accutest
1045832	MRY-5	24-Jul-13	Biochemical Oxygen Demand	86	mg/L	Exova Accutest
1045832	MRY-5	24-Jul-13	Chemical Oxygen Demand	355	mg/L	Exova Accutest
1045894	MRY-5	24-Jul-13	Faecal Coliforms	374000*	ct/100mL	Exova Accutest
1045832	MRY-5	24-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1045832	MRY-5	24-Jul-13	Total Suspended Solids	61	mg/L	Exova Accutest
1045832	MRY-5	24-Jul-13	pH	7.66	pH units	Exova Accutest
1038284	MRY-6	1-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1038284	MRY-6	1-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1038284	MRY-6	1-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1038284	MRY-6	1-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1038284	MRY-6	1-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1038287	MRY-6	1-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1038287	MRY-6	1-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1038287	MRY-6	1-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1038287	MRY-6	1-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1038287	MRY-6	1-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1038290	MRY-6	1-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1038290	MRY-6	1-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1038290	MRY-6	1-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1038290	MRY-6	1-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1038290	MRY-6	1-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1040278	MRY-6	6-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1040282	MRY-6	6-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1042142	MRY-6	11-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1042142	MRY-6	11-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1042142	MRY-6	11-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042142	MRY-6	11-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1042142	MRY-6	11-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1042476	MRY-6	13-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1042476	MRY-6	13-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1042476	MRY-6	13-Jul-13	Oil & Grease - Total	4	mg/L	Exova Accutest
1042476	MRY-6	13-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1038398	MRY-7	2-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1038398	MRY-7	2-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1038398	MRY-7	2-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1038398	MRY-7	2-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1038398	MRY-7	2-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1040299	MRY-7	5-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1040299	MRY-7	5-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1040299	MRY-7	5-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1040299	MRY-7	5-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1040299	MRY-7	5-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1041856	MRY-7	7-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1041856	MRY-7	7-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1041856	MRY-7	7-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1041856	MRY-7	7-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1041856	MRY-7	7-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1042469	MRY-7	12-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1042469	MRY-7	12-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1042469	MRY-7	12-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042469	MRY-7	12-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1042469	MRY-7	12-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1044110	MRY-7	16-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1044110	MRY-7	16-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1044110	MRY-7	16-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1044110	MRY-7	16-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1044110	MRY-7	16-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1044211	MRY-7	18-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1044211	MRY-7	18-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1044211	MRY-7	18-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1044211	MRY-7	18-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1044211	MRY-7	18-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1044373	MRY-7	20-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1044373	MRY-7	20-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1044373	MRY-7	20-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1044373	MRY-7	20-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1044373	MRY-7	20-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1045835	MRY-7	24-Jul-13	Benzene	<0.5	ug/L	Exova Accutest
1045835	MRY-7	24-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1045835	MRY-7	24-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1045835	MRY-7	24-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1045835	MRY-7	24-Jul-13	Toluene	<0.5	ug/L	Exova Accutest
1046522	MRY-7	27-Jul-13	Benzene	2.2	ug/L	Exova Accutest
1046522	MRY-7	27-Jul-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1046522	MRY-7	27-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1046522	MRY-7	27-Jul-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1046522	MRY-7	27-Jul-13	Toluene	1.2	ug/L	Exova Accutest
1042429	MRY-9	14-Jul-13	Oil & Grease	no sheen	mg/L	Exova Accutest
1042429	MRY-9	14-Jul-13	pH	6.95	pH units	Exova Accutest
1042429	MRY-9	14-Jul-13	Total Suspended Solids	2	mg/L	Exova Accutest
1042454	MRY-9	14-Jul-13	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1042454	MRY-9	14-Jul-13	Copper (Total)	0.60	ug/L	Exova Accutest
1042454	MRY-9	14-Jul-13	Lead (Total)	0.05	ug/L	Exova Accutest
1042454	MRY-9	14-Jul-13	Nickel (Total)	0.52	ug/L	Exova Accutest
1042454	MRY-9	14-Jul-13	Zinc (Total)	<3.0	ug/L	Exova Accutest
1049296	MRY-9	31-Jul-13	Oil & Grease	no sheen	mg/L	Exova Accutest
1049296	MRY-9	31-Jul-13	pH	6.77	pH units	Exova Accutest
1049296	MRY-9	31-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049304	MRY-9	31-Jul-13	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1049304	MRY-9	31-Jul-13	Copper (Total)	<0.20	ug/L	Exova Accutest
1049304	MRY-9	31-Jul-13	Lead (Total)	0.05	ug/L	Exova Accutest
1049304	MRY-9	31-Jul-13	Nickel (Total)	1.40	ug/L	Exova Accutest
1049304	MRY-9	31-Jul-13	Zinc (Total)	3.4	ug/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1042428	*MRY-10*	*13-Jul-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1042428	*MRY-10*	*13-Jul-13*	*pH*	7.20	*pH units*	*Exova Accutest*
1042428	*MRY-10*	*13-Jul-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1042453	*MRY-10*	*13-Jul-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1042453	*MRY-10*	*13-Jul-13*	*Copper (Total)*	0.87	*ug/L*	*Exova Accutest*
1042453	*MRY-10*	*13-Jul-13*	*Lead (Total)*	0.19	*ug/L*	*Exova Accutest*
1042453	*MRY-10*	*13-Jul-13*	*Nickel (Total)*	0.63	*ug/L*	*Exova Accutest*
1042453	*MRY-10*	*13-Jul-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1049303	*MRY-10*	*31-Jul-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1049303	*MRY-10*	*31-Jul-13*	*pH*	7.55	*pH units*	*Exova Accutest*
1049303	*MRY-10*	*31-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1049311	*MRY-10*	*31-Jul-13*	*Arsenic (Total)*	<0.10	*ug/L*	*Exova Accutest*
1049311	*MRY-10*	*31-Jul-13*	*Copper (Total)*	0.85	*ug/L*	*Exova Accutest*
1049311	*MRY-10*	*31-Jul-13*	*Lead (Total)*	<0.05	*ug/L*	*Exova Accutest*
1049311	*MRY-10*	*31-Jul-13*	*Nickel (Total)*	<0.50	*ug/L*	*Exova Accutest*
1049311	*MRY-10*	*31-Jul-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1042432	*MRY-11-TP1*	*14-Jul-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1042432	*MRY-11-TP1*	*14-Jul-13*	*pH*	8.18	*pH units*	*Exova Accutest*
1042432	*MRY-11-TP1*	*14-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042457	*MRY-11-TP1*	*14-Jul-13*	*Arsenic (Total)*	0.11	*ug/L*	*Exova Accutest*
1042457	*MRY-11-TP1*	*14-Jul-13*	*Copper (Total)*	1.32	*ug/L*	*Exova Accutest*
1042457	*MRY-11-TP1*	*14-Jul-13*	*Lead (Total)*	0.08	*ug/L*	*Exova Accutest*
1042457	*MRY-11-TP1*	*14-Jul-13*	*Nickel (Total)*	0.80	*ug/L*	*Exova Accutest*
1042457	*MRY-11-TP1*	*14-Jul-13*	*Zinc (Total)*	3.5	*ug/L*	*Exova Accutest*
1049299	*MRY-11-TP1*	*31-Jul-13*	*Oil & Grease*	no sheen	*mg/L*	*Exova Accutest*
1049299	*MRY-11-TP1*	*31-Jul-13*	*pH*	8.24	*pH units*	*Exova Accutest*
1049299	*MRY-11-TP1*	*31-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1049307	*MRY-11-TP1*	*31-Jul-13*	*Arsenic (Total)*	0.13	*ug/L*	*Exova Accutest*
1049307	*MRY-11-TP1*	*31-Jul-13*	*Copper (Total)*	1.65	*ug/L*	*Exova Accutest*
1049307	*MRY-11-TP1*	*31-Jul-13*	*Lead (Total)*	0.09	*ug/L*	*Exova Accutest*
1049307	*MRY-11-TP1*	*31-Jul-13*	*Nickel (Total)*	1.13	*ug/L*	*Exova Accutest*
1049307	*MRY-11-TP1*	*31-Jul-13*	*Zinc (Total)*	<3.0	*ug/L*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*pH, Laboratory*	8.02	*pH units*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	91	*mg/L*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*Conductivity in Laboratory*	214	*uS/cm*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*Total Dissolved Solids*	139	*mg/L*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042430	*MRY-13A*	*14-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Aluminum (Al) Total*	3.9	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Barium (Ba) Total*	12.3	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Chromium (Cr) Total*	0.47	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Copper (Cu) Total*	1.37	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Iron (Fe) Total*	<3	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Lead (Pb) Total*	<0.05	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Lithium (Li) Total*	1.11	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Manganese (Mn) Total*	0.201	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Molybdenum (Mo) Total*	0.266	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Nickel (Ni) Total*	7.93	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Strontium (Sr) Total*	10.5	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Thallium (Tl) Total*	<0.001	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Uranium (U) Total*	0.259	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Zinc (Zn) Total*	3.2	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Arsenic (As) Total*	0.14	*ug/L*	*Exova Accutest*
1042455	*MRY-13A*	*14-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*pH, Laboratory*	7.95	*pH units*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	124	*mg/L*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*Conductivity in Laboratory*	300	*uS/cm*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*Total Dissolved Solids*	195	*mg/L*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045825	*MRY-13A*	*24-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Aluminum (Al) Total*	3.8	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Barium (Ba) Total*	18.3	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Chromium (Cr) Total*	0.58	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Copper (Cu) Total*	1.68	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Iron (Fe) Total*	<3	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Lead (Pb) Total*	<0.05	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Lithium (Li) Total*	0.88	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Manganese (Mn) Total*	0.593	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Molybdenum (Mo) Total*	0.244	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Nickel (Ni) Total*	8.84	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Strontium (Sr) Total*	14.4	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Thallium (Tl) Total*	0.011	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Uranium (U) Total*	0.336	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Zinc (Zn) Total*	3.6	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Arsenic (As) Total*	0.14	*ug/L*	*Exova Accutest*
1045828	*MRY-13A*	*24-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*pH, Laboratory*	7.92	*pH units*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	133	*mg/L*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*Conductivity in Laboratory*	347	*uS/cm*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*Total Dissolved Solids*	226	*mg/L*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1049297	*MRY-13A*	*31-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Aluminum (Al) Total*	3.9	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1049305	*MRY-13A*	*31-Jul-13*	*Barium (Ba) Total*	18.8	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Chromium (Cr) Total*	0.47	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Copper (Cu) Total*	1.19	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Iron (Fe) Total*	<3	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Lead (Pb) Total*	<0.05	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Lithium (Li) Total*	1.33	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Manganese (Mn) Total*	0.347	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Molybdenum (Mo) Total*	0.185	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Nickel (Ni) Total*	8.23	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Strontium (Sr) Total*	15.7	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Thallium (Tl) Total*	<0.001	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Uranium (U) Total*	0.598	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Zinc (Zn) Total*	4.6	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Arsenic (As) Total*	0.11	*ug/L*	*Exova Accutest*
1049305	*MRY-13A*	*31-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*pH, Laboratory*	8.02	*pH units*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	123	*mg/L*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*Conductivity in Laboratory*	300	*uS/cm*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*Total Dissolved Solids*	195	*mg/L*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045826	*MRY-1301A*	*24-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Aluminum (Al) Total*	11.7	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Barium (Ba) Total*	17.5	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Chromium (Cr) Total*	1.01	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Copper (Cu) Total*	1.42	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Iron (Fe) Total*	31	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Lead (Pb) Total*	<0.05	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Lithium (Li) Total*	1.54	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Manganese (Mn) Total*	1.58	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Molybdenum (Mo) Total*	0.191	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Nickel (Ni) Total*	8.78	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Strontium (Sr) Total*	13.8	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Thallium (Tl) Total*	0.011	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Uranium (U) Total*	0.339	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Zinc (Zn) Total*	3.6	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Arsenic (As) Total*	0.12	*ug/L*	*Exova Accutest*
1045829	*MRY-1301A*	*24-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*pH, Laboratory*	8.19	*pH units*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	102	*mg/L*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*Conductivity in Laboratory*	231	*uS/cm*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*Total Dissolved Solids*	150	*mg/L*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042431	*MRY-13B*	*14-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Aluminum (Al) Total*	3.6	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Barium (Ba) Total*	12.6	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Chromium (Cr) Total*	0.44	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Copper (Cu) Total*	1.52	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Iron (Fe) Total*	11	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Lead (Pb) Total*	<0.050	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Lithium (Li) Total*	1.12	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Manganese (Mn) Total*	0.244	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Molybdenum (Mo) Total*	0.194	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Nickel (Ni) Total*	6.93	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Strontium (Sr) Total*	10.9	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Thallium (Tl) Total*	<0.001	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Uranium (U) Total*	0.198	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Zinc (Zn) Total*	<3.0	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Arsenic (As) Total*	0.12	*ug/L*	*Exova Accutest*
1042456	*MRY-13B*	*14-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*pH, Laboratory*	8.19	*pH units*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	122	*mg/L*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*Conductivity in Laboratory*	279	*uS/cm*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*Total Dissolved Solids*	181	*mg/L*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045827	*MRY-13B*	*24-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Aluminum (Al) Total*	5.0	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Barium (Ba) Total*	16.6	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Chromium (Cr) Total*	0.52	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Copper (Cu) Total*	1.56	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Iron (Fe) Total*	13	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Lead (Pb) Total*	<0.050	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Lithium (Li) Total*	1.32	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Manganese (Mn) Total*	0.335	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Molybdenum (Mo) Total*	0.141	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Nickel (Ni) Total*	7.54	*ug/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1045830	*MRY-13B*	*24-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Tin (Sn) Total*	0.79	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Strontium (Sr) Total*	12.4	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Thallium (Tl) Total*	<0.001	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Uranium (U) Total*	0.201	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Zinc (Zn) Total*	<3.0	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Arsenic (As) Total*	0.13	*ug/L*	*Exova Accutest*
1045830	*MRY-13B*	*24-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*pH, Laboratory*	8.15	*pH units*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*Alkalinity, Total as mg CaCO3 equiv.*	129	*mg/L*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*Conductivity in Laboratory*	299	*uS/cm*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*Total Dissolved Solids*	194	*mg/L*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1049298	*MRY-13B*	*31-Jul-13*	*Oil & Grease - Total*	no sheen	*mg/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Aluminum (Al) Total*	15.6	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Antimony (Sb) Total*	<0.10	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Barium (Ba) Total*	17.3	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Cadmium (Cd) Total*	<0.010	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Chromium (Cr) Total*	0.50	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Cobalt (Co) Total*	<0.10	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Copper (Cu) Total*	1.62	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Iron (Fe) Total*	28	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Lead (Pb) Total*	0.09	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Lithium (Li) Total*	1.21	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Manganese (Mn) Total*	0.665	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Molybdenum (Mo) Total*	0.155	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Nickel (Ni) Total*	6.98	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Selenium (Se) Total*	<0.01	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Tin (Sn) Total*	<0.10	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Strontium (Sr) Total*	14.0	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Thallium (Tl) Total*	<0.001	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Titanium (Ti) Total*	<10	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Uranium (U) Total*	0.312	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Vanadium (V) Total*	<1.0	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Zinc (Zn) Total*	3.6	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Arsenic (As) Total*	0.11	*ug/L*	*Exova Accutest*
1049306	*MRY-13B*	*31-Jul-13*	*Mercury (Hg) Total*	<0.010	*ug/L*	*Exova Accutest*
1039014	*MP-C-A*	*2-Jul-13*	*pH*	8.05	*pH units*	*Exova Accutest*
1039014	*MP-C-A*	*2-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042159	*MP-C-A*	*10-Jul-13*	*Conductivity*	812	*uS/cm*	*Exova Accutest*
1042159	*MP-C-A*	*10-Jul-13*	*pH*	8.13	*pH units*	*Exova Accutest*
1042159	*MP-C-A*	*10-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042159	*MP-C-A*	*10-Jul-13*	*Turbidity*	0.50	*NTU*	*Exova Accutest*
1042422	*MP-C-A*	*12-Jul-13*	*Conductivity*	1570	*uS/cm*	*Exova Accutest*
1042422	*MP-C-A*	*12-Jul-13*	*pH*	8.09	*pH units*	*Exova Accutest*
1042422	*MP-C-A*	*12-Jul-13*	*Total Suspended Solids*	26	*mg/L*	*Exova Accutest*
1042422	*MP-C-A*	*12-Jul-13*	*Turbidity*	6.70	*NTU*	*Exova Accutest*
1045318	*MP-C-A*	*22-Jul-13*	*Conductivity*	824	*uS/cm*	*Exova Accutest*
1045318	*MP-C-A*	*22-Jul-13*	*pH*	8.21	*pH units*	*Exova Accutest*
1045318	*MP-C-A*	*22-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045318	*MP-C-A*	*22-Jul-13*	*Turbidity*	0.60	*NTU*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*Ammonia (total NH3-N)*	0.04	*mg/L*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*Nitrate (total NO3-N)*	<0.10	*mg/L*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*Conductivity*	326	*mg/L*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*pH*	8.16	*pH units*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042417	*MP-C-B*	*14-Jul-13*	*Turbidity*	0.7	*NTU*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*Ammonia (total NH3-N)*	<0.02	*mg/L*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*Nitrate (total NO3-N)*	<0.10	*mg/L*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*Conductivity*	344	*uS/cm*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*pH*	8.25	*pH units*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045317	*MP-C-B*	*22-Jul-13*	*Turbidity*	0.40	*NTU*	*Exova Accutest*
1045184	*MP-C-B*	*22-Jul-13*	*Toxicity***	non lethal		*Exova Accutest*
1039013	*MP-C-D*	*2-Jul-13*	*pH*	8.17	*pH units*	*Exova Accutest*
1039013	*MP-C-D*	*2-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1042160	*MP-C-D*	*10-Jul-13*	*Conductivity*	506	*uS/cm*	*Exova Accutest*
1042160	*MP-C-D*	*10-Jul-13*	*pH*	8.20	*pH units*	*Exova Accutest*
1042160	*MP-C-D*	*10-Jul-13*	*Total Suspended Solids*	96	*mg/L*	*Exova Accutest*
1042160	*MP-C-D*	*10-Jul-13*	*Turbidity*	1.1	*NTU*	*Exova Accutest*
1042423	*MP-C-D*	*12-Jul-13*	*Conductivity*	461	*uS/cm*	*Exova Accutest*
1042423	*MP-C-D*	*12-Jul-13*	*pH*	8.17	*pH units*	*Exova Accutest*
1042423	*MP-C-D*	*12-Jul-13*	*Total Suspended Solids*	47	*mg/L*	*Exova Accutest*
1042423	*MP-C-D*	*12-Jul-13*	*Turbidity*	0.9	*NTU*	*Exova Accutest*
1044386	*MP-C-D*	*19-Jul-13*	*Conductivity*	409	*uS/cm*	*Exova Accutest*
1044386	*MP-C-D*	*19-Jul-13*	*pH*	8.06	*pH units*	*Exova Accutest*
1044386	*MP-C-D*	*19-Jul-13*	*Total Suspended Solids*	3	*mg/L*	*Exova Accutest*
1044386	*MP-C-D*	*19-Jul-13*	*Turbidity*	1.1	*NTU*	*Exova Accutest*
1045319	*MP-C-D*	*22-Jul-13*	*Conductivity*	685	*uS/cm*	*Exova Accutest*
1045319	*MP-C-D*	*22-Jul-13*	*pH*	8.14	*pH units*	*Exova Accutest*
1045319	*MP-C-D*	*22-Jul-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1045319	*MP-C-D*	*22-Jul-13*	*Turbidity*	0.2	*NTU*	*Exova Accutest*
1042424	*MP-C-F*	*12-Jul-13*	*Conductivity*	352	*uS/cm*	*Exova Accutest*
1042424	*MP-C-F*	*12-Jul-13*	*pH*	8.02	*pH units*	*Exova Accutest*
1042424	*MP-C-F*	*12-Jul-13*	*Total Suspended Solids*	188	*mg/L*	*Exova Accutest*
1042424	*MP-C-F*	*12-Jul-13*	*Turbidity*	1.7	*NTU*	*Exova Accutest*
1045320	*MP-C-F*	*22-Jul-13*	*Conductivity*	773	*uS/cm*	*Exova Accutest*
1045320	*MP-C-F*	*22-Jul-13*	*pH*	8.22	*pH units*	*Exova Accutest*
1045320	*MP-C-F*	*22-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045320	*MP-C-F*	*22-Jul-13*	*Turbidity*	0.2	*NTU*	*Exova Accutest*
1039406	*MP-Q1-01*	*3-Jul-13*	*Ammonia (total NH_3-N)*	0.06	*mg/L*	*Exova Accutest*
1039406	*MP-Q1-01*	*3-Jul-13*	*Nitrate (total NO_3-N)*	<0.10	*mg/L*	*Exova Accutest*
1039406	*MP-Q1-01*	*3-Jul-13*	*pH*	8.04	*pH units*	*Exova Accutest*
1039406	*MP-Q1-01*	*3-Jul-13*	*Conductivity*	160	*mg/L*	*Exova Accutest*
1042157	*MP-Q1-01*	*10-Jul-13*	*Ammonia (total NH_3-N)*	<0.02	*mg/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1042157	MP-Q1-01	10-Jul-13	Nitrate (total NO_3-N)	<0.10	mg/L	Exova Accutest
1042157	MP-Q1-01	10-Jul-13	pH	8.10	pH units	Exova Accutest
1042157	MP-Q1-01	10-Jul-13	Conductivity	170	mg/L	Exova Accutest
1042420	MP-Q1-01	12-Jul-13	Ammonia (total NH_3-N)	0.05	mg/L	Exova Accutest
1042420	MP-Q1-01	12-Jul-13	Nitrate (total NO_3-N)	<0.10	mg/L	Exova Accutest
1042420	MP-Q1-01	12-Jul-13	pH	8.06	pH units	Exova Accutest
1042420	MP-Q1-01	12-Jul-13	Conductivity	179	mg/L	Exova Accutest
1045315	MP-Q1-01	22-Jul-13	Ammonia (total NH_3-N)	0.69	mg/L	Exova Accutest
1045315	MP-Q1-01	22-Jul-13	Nitrate (total NO_3-N)	1.82	mg/L	Exova Accutest
1045315	MP-Q1-01	22-Jul-13	pH	7.99	pH units	Exova Accutest
1045315	MP-Q1-01	22-Jul-13	Conductivity	229	mg/L	Exova Accutest
1039407	MP-Q1-02	3-Jul-13	Ammonia (total NH_3-N)	0.13	mg/L	Exova Accutest
1039407	MP-Q1-02	3-Jul-13	Nitrate (total NO_3-N)	0.64	mg/L	Exova Accutest
1039407	MP-Q1-02	3-Jul-13	pH	7.97	pH units	Exova Accutest
1039407	MP-Q1-02	3-Jul-13	Conductivity	145	mg/L	Exova Accutest
1042158	MP-Q1-02	10-Jul-13	Ammonia (total NH_3-N)	0.03	mg/L	Exova Accutest
1042158	MP-Q1-02	10-Jul-13	Nitrate (total NO_3-N)	2.02	mg/L	Exova Accutest
1042158	MP-Q1-02	10-Jul-13	pH	8.09	pH units	Exova Accutest
1042158	MP-Q1-02	10-Jul-13	Conductivity	228	mg/L	Exova Accutest
1042421	MP-Q1-02	12-Jul-13	Ammonia (total NH_3-N)	0.31	mg/L	Exova Accutest
1042421	MP-Q1-02	12-Jul-13	Nitrate (total NO_3-N)	2.38	mg/L	Exova Accutest
1042421	MP-Q1-02	12-Jul-13	pH	7.99	pH units	Exova Accutest
1042421	MP-Q1-02	12-Jul-13	Conductivity	197	mg/L	Exova Accutest
1042416	MP-Q1-02	14-Jul-13	Ammonia (total NH_3-N)	0.71	mg/L	Exova Accutest
1042416	MP-Q1-02	14-Jul-13	Nitrate (total NO_3-N)	1.23	mg/L	Exova Accutest
1042416	MP-Q1-02	14-Jul-13	pH	7.9	pH units	Exova Accutest
1042416	MP-Q1-02	14-Jul-13	Conductivity	201	mg/L	Exova Accutest
1045316	MP-Q1-02	22-Jul-13	Ammonia (total NH_3-N)	3.16	mg/L	Exova Accutest
1045316	MP-Q1-02	22-Jul-13	Nitrate (total NO_3-N)	14.4	mg/L	Exova Accutest
1045316	MP-Q1-02	22-Jul-13	pH	7.53	pH units	Exova Accutest
1045316	MP-Q1-02	22-Jul-13	Conductivity	348	mg/L	Exova Accutest
1042155	MQ-C-B	11-Jul-13	Ammonia (total NH3-N)	<0.02	mg/L	Exova Accutest
1042155	MQ-C-B	11-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1042155	MQ-C-B	11-Jul-13	pH	7.98	pH units	Exova Accutest
1042155	MQ-C-B	11-Jul-13	Conductivity	119	mg/L	Exova Accutest
1049334	MQ-C-B	30-Jul-13	Ammonia (total NH3-N)	<0.02	mg/L	Exova Accutest
1049334	MQ-C-B	30-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1049334	MQ-C-B	30-Jul-13	pH	8.05	pH units	Exova Accutest
1049334	MQ-C-B	30-Jul-13	Conductivity	238	mg/L	Exova Accutest
1044392	MQ-C-B	20-Jul-13	Ammonia (total NH3-N)	<0.02	mg/L	Exova Accutest
1044392	MQ-C-B	20-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1044392	MQ-C-B	20-Jul-13	pH	8.01	pH units	Exova Accutest
1044392	MQ-C-B	20-Jul-13	Conductivity	175	mg/L	Exova Accutest
1042156	MQ-C-D	11-Jul-13	Ammonia (total NH3-N)	<0.02	mg/L	Exova Accutest
1042156	MQ-C-D	11-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1042156	MQ-C-D	11-Jul-13	pH	8.01	pH units	Exova Accutest
1042156	MQ-C-D	11-Jul-13	Conductivity	130	mg/L	Exova Accutest
1044393	MQ-C-D	20-Jul-13	Ammonia (total NH3-N)	0.03	mg/L	Exova Accutest
1044393	MQ-C-D	20-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1044393	MQ-C-D	20-Jul-13	pH	7.98	pH units	Exova Accutest
1044393	MQ-C-D	20-Jul-13	Conductivity	147	mg/L	Exova Accutest
1049335	MQ-C-D	30-Jul-13	Ammonia (total NH3-N)	<0.02	mg/L	Exova Accutest
1049335	MQ-C-D	30-Jul-13	Nitrate (total NO3-N)	<0.10	mg/L	Exova Accutest
1049335	MQ-C-D	30-Jul-13	pH	8.01	pH units	Exova Accutest
1049335	MQ-C-D	30-Jul-13	Conductivity	174	mg/L	Exova Accutest
1042151	MS-C-A	11-Jul-13	Conductivity	94	uS/cm	Exova Accutest
1042151	MS-C-A	11-Jul-13	pH	7.87	pH units	Exova Accutest
1042151	MS-C-A	11-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1042151	MS-C-A	11-Jul-13	Turbidity	0.4	NTU	Exova Accutest
1044387	MS-C-A	20-Jul-13	Conductivity	102	uS/cm	Exova Accutest
1044387	MS-C-A	20-Jul-13	pH	7.81	pH units	Exova Accutest
1044387	MS-C-A	20-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1044387	MS-C-A	20-Jul-13	Turbidity	0.5	NTU	Exova Accutest
1045815	MS-C-A	24-Jul-13	Conductivity	119	uS/cm	Exova Accutest
1045815	MS-C-A	24-Jul-13	pH	7.99	pH units	Exova Accutest
1045815	MS-C-A	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045815	MS-C-A	24-Jul-13	Turbidity	0.4	NTU	Exova Accutest
1042150	MS-C-B	11-Jul-13	Conductivity	107	uS/cm	Exova Accutest
1042150	MS-C-B	11-Jul-13	pH	7.79	pH units	Exova Accutest
1042150	MS-C-B	11-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1042150	MS-C-B	11-Jul-13	Turbidity	0.4	NTU	Exova Accutest
1044388	MS-C-B	20-Jul-13	Conductivity	99	uS/cm	Exova Accutest
1044388	MS-C-B	20-Jul-13	pH	7.75	pH units	Exova Accutest
1044388	MS-C-B	20-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1044388	MS-C-B	20-Jul-13	Turbidity	0.5	NTU	Exova Accutest
1045816	MS-C-B	24-Jul-13	Conductivity	114	uS/cm	Exova Accutest
1045816	MS-C-B	24-Jul-13	pH	7.83	pH units	Exova Accutest
1045816	MS-C-B	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045816	MS-C-B	24-Jul-13	Turbidity	0.5	NTU	Exova Accutest
1042152	MS-C-C	11-Jul-13	Conductivity	254	uS/cm	Exova Accutest
1042152	MS-C-C	11-Jul-13	pH	8.15	pH units	Exova Accutest
1042152	MS-C-C	11-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1042152	MS-C-C	11-Jul-13	Turbidity	0.2	NTU	Exova Accutest
1044389	MS-C-C	20-Jul-13	Conductivity	246	uS/cm	Exova Accutest
1044389	MS-C-C	20-Jul-13	pH	8.02	pH units	Exova Accutest
1044389	MS-C-C	20-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1044389	MS-C-C	20-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1045817	MS-C-C	24-Jul-13	Conductivity	269	uS/cm	Exova Accutest
1045817	MS-C-C	24-Jul-13	pH	8.07	pH units	Exova Accutest
1045817	MS-C-C	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045817	MS-C-C	24-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1042153	MS-C-D	11-Jul-13	Conductivity	105	uS/cm	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1042153	MS-C-D	11-Jul-13	pH	7.97	pH units	Exova Accutest
1042153	MS-C-D	11-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1042153	MS-C-D	11-Jul-13	Turbidity	1.2	NTU	Exova Accutest
1044390	MS-C-D	20-Jul-13	Conductivity	206	uS/cm	Exova Accutest
1044390	MS-C-D	20-Jul-13	pH	8.11	pH units	Exova Accutest
1044390	MS-C-D	20-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1044390	MS-C-D	20-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1045818	MS-C-D	24-Jul-13	Conductivity	232	uS/cm	Exova Accutest
1045818	MS-C-D	24-Jul-13	pH	8.19	pH units	Exova Accutest
1045818	MS-C-D	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045818	MS-C-D	24-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1042154	MS-C-E	11-Jul-13	Conductivity	178	uS/cm	Exova Accutest
1042154	MS-C-E	11-Jul-13	pH	8.19	pH units	Exova Accutest
1042154	MS-C-E	11-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1042154	MS-C-E	11-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1044391	MS-C-E	20-Jul-13	Conductivity	199	uS/cm	Exova Accutest
1044391	MS-C-E	20-Jul-13	pH	8.17	pH units	Exova Accutest
1044391	MS-C-E	20-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1044391	MS-C-E	20-Jul-13	Turbidity	0.4	NTU	Exova Accutest
1045819	MS-C-E	24-Jul-13	Conductivity	225	uS/cm	Exova Accutest
1045819	MS-C-E	24-Jul-13	pH	8.19	pH units	Exova Accutest
1045819	MS-C-E	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045819	MS-C-E	24-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Conductivity	223	uS/cm	Exova Accutest
1045820	MS-C-E01	24-Jul-13	pH	8.23	pH units	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Turbidity	0.2	NTU	Exova Accutest
1045821	MS-C-E02	24-Jul-13	Conductivity	<5	uS/cm	Exova Accutest
1045821	MS-C-E02	24-Jul-13	pH	7.47	pH units	Exova Accutest
1045821	MS-C-E02	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045821	MS-C-E02	24-Jul-13	Turbidity	0.2	NTU	Exova Accutest
1045822	MS-C-E03	24-Jul-13	Conductivity	<5	uS/cm	Exova Accutest
1045822	MS-C-E03	24-Jul-13	pH	6.61	pH units	Exova Accutest
1045822	MS-C-E03	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045822	MS-C-E03	24-Jul-13	Turbidity	0.1	NTU	Exova Accutest
1035463	MRY-13A	18-Jun-12	pH, Laboratory	7.38	pH units	Exova Accutest
1035463	MRY-13A	18-Jun-12	Alkalinity, Total as mg CaCO3 equiv.	30	mg/L	Exova Accutest
1035463	MRY-13A	18-Jun-12	Conductivity in Laboratory	65	uS/cm	Exova Accutest
1035463	MRY-13A	18-Jun-12	Total Dissolved Solids	42	mg/L	Exova Accutest
1035463	MRY-13A	18-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1035463	MRY-13A	18-Jun-12	Oil & Grease - Total	no sheen	mg/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Aluminum (Al) Total	13.8	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Antimony (Sb) Total	<0.10	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Barium (Ba) Total	3.67	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Cadmium (Cd) Total	<0.010	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Chromium (Cr) Total	0.21	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Cobalt (Co) Total	<0.10	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Copper (Cu) Total	1	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Iron (Fe) Total	16	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Lithium (Li) Total	<0.05	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Manganese (Mn) Total	0.307	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Molybdenum (Mo) Total	0.200	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Nickel (Ni) Total	4.80	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Selenium (Se) Total	<0.01	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Tin (Sn) Total	<0.10	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Strontium (Sr) Total	2.98	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Thallium (Tl) Total	<0.001	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Titanium (Ti) Total	<10	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Uranium (U) Total	0.121	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Vanadium (V) Total	<1.0	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Zinc (Zn) Total	4.2	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Arsenic (As) Total	<0.10	ug/L	Exova Accutest
1035465	MRY-13A	18-Jun-12	Mercury (Hg) Total	<0.010	ug/L	Exova Accutest
1035464	MRY-13B	18-Jun-12	pH, Laboratory	7.46	pH units	Exova Accutest
1035464	MRY-13B	18-Jun-12	Alkalinity, Total as mg CaCO3 equiv.	33	mg/L	Exova Accutest
1035464	MRY-13B	18-Jun-12	Conductivity in Laboratory	71	uS/cm	Exova Accutest
1035464	MRY-13B	18-Jun-12	Total Dissolved Solids	46	mg/L	Exova Accutest
1035464	MRY-13B	18-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1035464	MRY-13B	18-Jun-12	Oil & Grease - Total	no sheen	mg/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Aluminum (Al) Total	10.2	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Antimony (Sb) Total	<0.10	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Barium (Ba) Total	3.79	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Cadmium (Cd) Total	<0.010	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Chromium (Cr) Total	0.24	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Cobalt (Co) Total	<0.10	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Copper (Cu) Total	0.93	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Iron (Fe) Total	19	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Lithium (Li) Total	<0.05	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Manganese (Mn) Total	0.394	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Molybdenum (Mo) Total	0.186	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Nickel (Ni) Total	4.84	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Selenium (Se) Total	<0.01	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Tin (Sn) Total	<0.10	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Strontium (Sr) Total	3.13	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Thallium (Tl) Total	<0.001	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Titanium (Ti) Total	<10	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Uranium (U) Total	0.089	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Vanadium (V) Total	<1.0	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Zinc (Zn) Total	3.7	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Arsenic (As) Total	<0.10	ug/L	Exova Accutest
1035466	MRY-13B	18-Jun-12	Mercury (Hg) Total	<0.010	ug/L	Exova Accutest

* Note: Polishing/waste stabilization ponds (PWSPs) are in place to receive treated sewage not meeting criteria for direct discharge to the receiving environment at Mary River and Milne Port Camps

** Note: Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)
Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14).

TABLE 2.6

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MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
MILNE PORT						
1052823	*MP-MRY-04*	*21-Aug-13*	*Biochemical Oxygen Demand*	108	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*Chemical Oxygen Demand*	356	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*Total Kjeldahl Nitrogen*	105	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*N-NH3 (Ammonia)*	90.1	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*Oil & Grease - Total*	8	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*Total Phosphorus*	12.1	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*Total Suspended Solids*	132	*mg/L*	*Exova Accutest*
1052823	*MP-MRY-04*	*21-Aug-13*	*pH*	7.71	*pH units*	*Exova Accutest*
1054424	*MP-MRY-7*	*27-Aug-13*	*Ethylbenzene*	<0.5	*ug/L*	*Exova Accutest*
1054424	*MP-MRY-7*	*27-Aug-13*	*Benzene*	<0.5	*ug/L*	*Exova Accutest*
1054424	*MP-MRY-7*	*27-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1054424	*MP-MRY-7*	*27-Aug-13*	*Lead (Total);Lead*	<0.001	*mg/L*	*Exova Accutest*
1054424	*MP-MRY-7*	*27-Aug-13*	*Toluene*	<0.5	*ug/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Conductivity*	1050	*uS/cm*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*N-NH3 (Ammonia)*	0.06	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*N-NO3 (Nitrate)*	2.37	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Total Suspended Solids*	2	*mg/L*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*Turbidity*	1.5	*NTU*	*Exova Accutest*
1052826	*MP-C-A*	*20-Aug-13*	*pH*	8.2	*pH units*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Conductivity*	792	*uS/cm*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*N-NH3 (Ammonia)*	0.23	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*N-NO3 (Nitrate)*	1.06	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Total Suspended Solids*	98	*mg/L*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*Turbidity*	74.8	*NTU*	*Exova Accutest*
1055087	*MP-C-A-1*	*24-Aug-13*	*pH*	8.12	*pH units*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Conductivity*	813	*uS/cm*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*N-NH3 (Ammonia)*	0.14	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*N-NO3 (Nitrate)*	1.32	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Total Suspended Solids*	7	*mg/L*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*Turbidity*	8.3	*NTU*	*Exova Accutest*
1055090	*MP-C-A-2*	*24-Aug-13*	*pH*	8.19	*pH units*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Conductivity*	464	*uS/cm*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*N-NH3 (Ammonia)*	0.06	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*N-NO3 (Nitrate)*	<0.10	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*Turbidity*	>100	*NTU*	*Exova Accutest*
1052829	*MP-C-B*	*20-Aug-13*	*pH*	8.16	*pH units*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Conductivity*	428	*uS/cm*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*N-NH3 (Ammonia)*	0.38	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*N-NO3 (Nitrate)*	<0.10	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*Turbidity*	1	*NTU*	*Exova Accutest*
1055089	*MP-C-B*	*24-Aug-13*	*pH*	8.09	*pH units*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Conductivity*	1070	*uS/cm*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*N-NH3 (Ammonia)*	1.6	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*N-NO3 (Nitrate)*	2.78	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Total Suspended Solids*	190	*mg/L*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*Turbidity*	67	*NTU*	*Exova Accutest*
1052827	*MP-C-F*	*20-Aug-13*	*pH*	8.2	*pH units*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Conductivity*	1010	*uS/cm*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*N-NH3 (Ammonia)*	3.77	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*N-NO3 (Nitrate)*	11.8	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Total Suspended Solids*	8	*mg/L*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*Turbidity*	2.3	*NTU*	*Exova Accutest*
1052828	*MP-C-F*	*21-Aug-13*	*pH*	8.15	*pH units*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Conductivity*	1030	*uS/cm*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*N-NH3 (Ammonia)*	2.34	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*N-NO3 (Nitrate)*	9.16	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Total Suspended Solids*	3	*mg/L*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*Turbidity*	2.4	*NTU*	*Exova Accutest*
1055088	*MP-C-F*	*24-Aug-13*	*pH*	8.1	*pH units*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Conductivity*	393	*uS/cm*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*N-NH3 (Ammonia)*	0.17	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*N-NO3 (Nitrate)*	13.1	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Total Suspended Solids*	14	*mg/L*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*Turbidity*	3.1	*NTU*	*Exova Accutest*
1052824	*MP-Q1-01*	*20-Aug-13*	*pH*	8.00	*pH units*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1055085	*MP-Q1-01*	*24-Aug-13*	*Conductivity*	503	*uS/cm*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*N-NH3 (Ammonia)*	6.38	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*N-NO3 (Nitrate)*	25.3	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*Total Suspended Solids*	19	*mg/L*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*Turbidity*	16.8	*NTU*	*Exova Accutest*
1055085	*MP-Q1-01*	*24-Aug-13*	*pH*	7.81	*pH units*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Conductivity*	340	*uS/cm*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*N-NH3 (Ammonia)*	1.25	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*N-NO3 (Nitrate)*	5.28	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*Turbidity*	0.6	*NTU*	*Exova Accutest*
1052825	*MP-Q1-02*	*20-Aug-13*	*pH*	8.08	*pH units*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Conductivity*	327	*uS/cm*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*N-NH3 (Ammonia)*	1.95	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*N-NO3 (Nitrate)*	5.38	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Oil & Grease - Mineral*	<1	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Oil & Grease - Non-mineral*	<1	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*Turbidity*	0.6	*NTU*	*Exova Accutest*
1055086	*MP-Q1-02*	*24-Aug-13*	*pH*	8.00	*pH units*	*Exova Accutest*
MARY RIVER MINE SITE						
1049064	*MS-MRY-04*	*5-Aug-13*	*Faecal Coliforms*	10	*CFU/100mL*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Biochemical Oxygen Demand*	7	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Chemical Oxygen Demand*	69	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Total Kjeldahl Nitrogen*	4.37	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*N-NH3 (Ammonia)*	1.1	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Total Phosphorus*	1.57	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*Total Suspended Solids*	28	*mg/L*	*Exova Accutest*
1049146	*MS-MRY-04*	*5-Aug-13*	*pH*	7.48	*pH units*	*Exova Accutest*
1051597	*MS-MRY-04*	*16-Aug-13*	*Faecal Coliforms*	3	*CFU/100mL*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Biochemical Oxygen Demand*	6	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Chemical Oxygen Demand*	59	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Total Kjeldahl Nitrogen*	5.94	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*N-NH3 (Ammonia)*	5.02	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Total Phosphorus*	0.705	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*Total Suspended Solids*	14	*mg/L*	*Exova Accutest*
1051598	*MS-MRY-04*	*16-Aug-13*	*pH*	7.3	*pH units*	*Exova Accutest*
1052916	*MS-MRY-04*	*22-Aug-13*	*Faecal Coliforms*	0	*CFU/100mL*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Biochemical Oxygen Demand*	11	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Chemical Oxygen Demand*	59	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Total Kjeldahl Nitrogen*	5.63	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*N-NH3 (Ammonia)*	3.18	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Total Phosphorus*	0.89	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*Total Suspended Solids*	29	*mg/L*	*Exova Accutest*
1052838	*MS-MRY-04*	*22-Aug-13*	*pH*	7.62	*pH units*	*Exova Accutest*
1047941	*MS-MRY-04B*	*1-Aug-13*	*Faecal Coliforms*	0	*CFU/100mL*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Biochemical Oxygen Demand*	21	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Chemical Oxygen Demand*	190	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Total Kjeldahl Nitrogen*	6.29	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*N-NH3 (Ammonia)*	0.3	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Total Phosphorus*	0.71	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*Total Suspended Solids*	19	*mg/L*	*Exova Accutest*
1047973	*MS-MRY-04B*	*1-Aug-13*	*pH*	9.08	*pH units*	*Exova Accutest*
1049317	*MS-MRY-04B*	*7-Aug-13*	*Faecal Coliforms*	0	*CFU/100mL*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Biochemical Oxygen Demand*	10	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Chemical Oxygen Demand*	139	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Total Kjeldahl Nitrogen*	5.4	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*N-NH3 (Ammonia)*	1.82	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Total Phosphorus*	0.76	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*Total Suspended Solids*	12	*mg/L*	*Exova Accutest*
1049293	*MS-MRY-04B*	*7-Aug-13*	*pH*	7.71	*pH units*	*Exova Accutest*
1049880	*MS-MRY-04B*	*11-Aug-13*	*Faecal Coliforms*	0	*CFU/100mL*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Biochemical Oxygen Demand*	12	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Chemical Oxygen Demand*	101	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Total Kjeldahl Nitrogen*	5.58	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*N-NH3 (Ammonia)*	2.65	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Oil & Grease - Total*	3	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Total Phosphorus*	0.535	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*Total Suspended Solids*	4	*mg/L*	*Exova Accutest*
1049770	*MS-MRY-04B*	*11-Aug-13*	*pH*	7.88	*pH units*	*Exova Accutest*
1040771	*MS-MRY-04B*	*11-Aug-13*	*Toxicity**	non-lethal		*Exova Accutest*
1050865	*MS-MRY-04B*	*14-Aug-13*	*Faecal Coliforms*	0	*CFU/100mL*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Biochemical Oxygen Demand*	13	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Chemical Oxygen Demand*	106	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Total Kjeldahl Nitrogen*	5.95	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*N-NH3 (Ammonia)*	3.41	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Total Phosphorus*	0.57	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*Total Suspended Solids*	7	*mg/L*	*Exova Accutest*
1050739	*MS-MRY-04B*	*14-Aug-13*	*pH*	7.64	*pH units*	*Exova Accutest*
1052841	*MS-MRY-04B*	*19-Aug-13*	*Biochemical Oxygen Demand*	19	*mg/L*	*Exova Accutest*
1052841	*MS-MRY-04B*	*19-Aug-13*	*Chemical Oxygen Demand*	118	*mg/L*	*Exova Accutest*
1052841	*MS-MRY-04B*	*19-Aug-13*	*Total Kjeldahl Nitrogen*	6.26	*mg/L*	*Exova Accutest*
1052841	*MS-MRY-04B*	*19-Aug-13*	*N-NH3 (Ammonia)*	3.11	*mg/L*	*Exova Accutest*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1052841	MS-MRY-04B	19-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052841	MS-MRY-04B	19-Aug-13	Total Phosphorus	0.62	mg/L	Exova Accutest
1052841	MS-MRY-04B	19-Aug-13	Total Suspended Solids	10	mg/L	Exova Accutest
1052841	MS-MRY-04B	19-Aug-13	pH	7.58	pH units	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Biochemical Oxygen Demand	22	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Chemical Oxygen Demand	129	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Total Kjeldahl Nitrogen	8.02	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	N-NH3 (Ammonia)	2.56	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Total Phosphorus	0.78	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	Total Suspended Solids	26	mg/L	Exova Accutest
1052843	MS-MRY-04B	21-Aug-13	pH	8.26	pH units	Exova Accutest
1052918	MS-MRY-04B	23-Aug-13	Faecal Coliforms	0	CFU/100mL	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Chemical Oxygen Demand	117	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Total Kjeldahl Nitrogen	6.66	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	N-NH3 (Ammonia)	0.83	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Total Phosphorus	0.77	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	Total Suspended Solids	29	mg/L	Exova Accutest
1052845	MS-MRY-04B	23-Aug-13	pH	8.24	pH units	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	HCO3 as CaCO3	48	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Alkalinity as CaCO3	48	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Chloride	32	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Conductivity	355	uS/cm	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Total Kjeldahl Nitrogen	0.15	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	NO2 + NO3 as N	1.02	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	N-NO3 (Nitrate)	1.02	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Total Phosphorus	0.007	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Sulphate	70	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Total Dissolved Solids (COND - CALC)	231	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	Turbidity	0.3	NTU	Exova Accutest
1050726	MS-MRY-09	14-Aug-13	pH	7.24	pH units	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Silver (Total)	<0.000001	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Aluminum (Total)	0.0099	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Boron (Total)	0.029	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Barium (Total)	0.016	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Beryllium (Total)	<0.00002	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Calcium (Total)	39.1	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Cadmium (Total)	0.000014	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Cobalt (Total)	0.00023	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Chromium (Total)	0.00027	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Copper (Total)	0.00075	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Iron (Total)	0.01	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Hardness as CaCO3 (Total)	156	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Potassium (Total)	1.9	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Lithium (Total)	0.00311	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Magnesium (Total)	14.2	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Manganese (Total)	0.277	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Molybdenum (Total)	0.000352	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Sodium (Total)	4.78	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Nickel (Total)	0.00068	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Lead (Total);Lead	0.00006	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Selenium (Total)	0.00025	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Silicon (Total)	0.31	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Strontium (Total)	0.231	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Thallium (Total)	<0.000001	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Uranium (Total)	0.000136	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1050731	MS-MRY-09	14-Aug-13	Zinc (Total)	<0.0030	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	HCO3 as CaCO3	238	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	CO3 as CaCO3	5	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Alkalinity as CaCO3	243	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Dissolved Organic Carbon	3	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Total Organic Carbon	3.3	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Chloride	3	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Conductivity	833	uS/cm	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Total Kjeldahl Nitrogen	0.22	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	NO2 + NO3 as N	3.61	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	N-NO3 (Nitrate)	3.61	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Total Phosphorus	0.017	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Sulphate	189	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Total Dissolved Solids (COND - CALC)	541	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	Turbidity	1.5	NTU	Exova Accutest
1050727	MS-MRY-11-TP1	14-Aug-13	pH	8.37	pH units	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Silver (Total)	<0.000001	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Aluminum (Total)	0.0277	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Arsenic (Total)	0.00018	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Boron (Total)	0.073	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Barium (Total)	0.0419	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Beryllium (Total)	<0.00002	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Calcium (Total)	84.2	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Cobalt (Total)	0.00044	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Chromium (Total)	0.00044	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Copper (Total)	0.00203	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Iron (Total)	0.026	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Hardness as CaCO3 (Total)	453	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1050732	MS-MRY-11-TP1	14-Aug-13	Potassium (Total)	4.64	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Lithium (Total)	0.00589	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Magnesium (Total)	58.9	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Manganese (Total)	0.00505	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Molybdenum (Total)	0.00105	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Sodium (Total)	15.8	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Nickel (Total)	0.00153	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Lead (Total);Lead	0.00008	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Selenium (Total)	0.00079	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Silicon (Total)	1.11	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Strontium (Total)	0.0416	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Thallium (Total)	0.000037	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Uranium (Total)	0.00689	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1050732	MS-MRY-11-TP1	14-Aug-13	Zinc (Total)	<0.0030	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Sulphate	189	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Total Dissolved Solids (COND - CALC)	454	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Total Suspended Solids	6	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Turbidity	9.5	NTU	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	pH	8.09	pH units	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Silver (Total)	<0.000001	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Aluminum (Total)	0.0046	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Arsenic (Total)	0.00013	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Boron (Total)	0.039	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Barium (Total)	0.0301	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Beryllium (Total)	<0.00010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Calcium (Total)	70.8	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Cadmium (Total)	0.000010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Cobalt (Total)	0.00034	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Chromium (Total)	0.0002	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Copper (Total)	0.00133	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Iron (Total)	<0.00010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Hardness as CaCO3 (Total)	375	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Potassium (Total)	2.87	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Lithium (Total)	0.00341	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Magnesium (Total)	48.1	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Manganese (Total)	0.00434	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Molybdenum (Total)	0.00074	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Sodium (Total)	14.1	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Nickel (Total)	0.00106	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Antimony (Total)	0.00017	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Selenium (Total)	0.0006	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Silicon (Total)	1.18	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Strontium (Total)	0.0286	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Thallium (Total)	0.000026	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Uranium (Total)	0.00438	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1054783	MS-MRY-11-TP1	28-Aug-13	Zinc (Total)	<0.0010	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Alkalinity as CaCO3	145	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Dissolved Organic Carbon	4	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Total Organic Carbon	4.5	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Conductivity	350	uS/cm	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	DRO (C10-C24)	<0.2	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	GRO (<C10)	<0.2	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	GRO + DRO	<0.2	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Total Dissolved Solids (COND - CALC)	228	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	Total Suspended Solids	11	mg/L	Exova Accutest
1049319	MS-MRY-13A	7-Aug-13	pH	8.06	pH units	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Silver (Total)	<0.0000010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Aluminum (Total)	0.0318	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Arsenic (Total)	0.00014	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Boron (Total)	<0.0100	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Barium (Total)	0.0237	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Beryllium (Total)	<0.00010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Calcium (Total)	29.6	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Cadmium (Total)	0.000017	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Cobalt (Total)	0.00014	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Chromium (Total)	0.00048	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Copper (Total)	0.00166	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Iron (Total)	0.05	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Hardness as CaCO3 (Total)	169	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Potassium (Total)	1.33	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Lithium (Total)	0.0018	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Magnesium (Total)	23.1	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Manganese (Total)	0.0125	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Molybdenum (Total)	0.000121	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Sodium (Total)	3.93	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Nickel (Total)	0.0104	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Lead (Total);Lead	0.00018	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Selenium (Total)	<0.00010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Silicon (Total)	4.3	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Strontium (Total)	0.0165	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1049330	MS-MRY-13A	7-Aug-13	Thallium (Total)	0.000023	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Uranium (Total)	0.000416	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1049330	MS-MRY-13A	7-Aug-13	Zinc (Total)	0.006	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Alkalinity as CaCO3	155	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Dissolved Organic Carbon	4.3	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Total Organic Carbon	3.8	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Conductivity	378	uS/cm	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	F1 (C6-C10)	<0.1	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	F1-BTEX (C6-C10)	<0.1	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	F2 (C10-C16)	<0.1	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	F3 (C16-C34)	<0.2	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	F4 (C34-C50)	<0.2	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Total Dissolved Solids (COND - CALC)	246	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	m/p-xylene	<0.5	ug/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	o-xylene	<0.5	ug/L	Exova Accutest
1050719	MS-MRY-13A	14-Aug-13	pH	8.14	pH units	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Silver (Total)	<0.000001	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Aluminum (Total)	0.0046	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Arsenic (Total)	0.00013	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Boron (Total)	0.012	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Barium (Total)	0.0214	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Beryllium (Total)	<0.00002	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Calcium (Total)	34.3	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Chromium (Total)	0.00058	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Copper (Total)	0.00143	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Iron (Total)	<0.003	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Hardness as CaCO3 (Total)	196	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Potassium (Total)	1.32	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Lithium (Total)	0.00183	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Magnesium (Total)	26.8	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Manganese (Total)	0.000315	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Molybdenum (Total)	0.000169	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Sodium (Total)	4.41	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Nickel (Total)	0.00833	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Selenium (Total)	<0.00001	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Silicon (Total)	4.28	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Strontium (Total)	0.0171	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Thallium (Total)	<0.000001	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Uranium (Total)	0.000614	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1050721	MS-MRY-13A	14-Aug-13	Zinc (Total)	0.0038	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Alkalinity as CaCO3	158	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Dissolved Organic Carbon	3.5	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Total Organic Carbon	3.6	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Conductivity	417	uS/cm	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	F2 (C10-C16)	<0.1	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	F3 (C16-C34)	<0.2	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	F4 (C34-C50)	<0.2	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Total Dissolved Solids (COND - CALC)	280	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052847	MS-MRY-13A	21-Aug-13	pH	8.05	pH units	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Alkalinity as CaCO3	146	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Dissolved Organic Carbon	4.6	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Total Organic Carbon	4.6	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Conductivity	342	uS/cm	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	DRO (C10-C24)	<0.2	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	GRO (<C10)	<0.2	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	GRO + DRO	<0.2	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Total Dissolved Solids (COND - CALC)	222	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049320	MS-MRY-13B	7-Aug-13	pH	8.34	pH units	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Silver (Total)	<0.0000010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Aluminum (Total)	0.0167	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Boron (Total)	<0.0100	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Barium (Total)	0.021	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Beryllium (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Calcium (Total)	31.2	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Chromium (Total)	0.00042	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Copper (Total)	0.00149	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Iron (Total)	0.04	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Hardness as CaCO3 (Total)	176	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Potassium (Total)	1.09	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Lithium (Total)	0.00179	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Magnesium (Total)	23.7	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Manganese (Total)	0.000875	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Molybdenum (Total)	0.000137	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1049331	MS-MRY-13B	7-Aug-13	Sodium (Total)	2.13	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Nickel (Total)	0.00733	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Selenium (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Silicon (Total)	4.05	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Strontium (Total)	0.0157	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Thallium (Total)	<0.000010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Uranium (Total)	0.0003	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1049331	MS-MRY-13B	7-Aug-13	Zinc (Total)	0.0049	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Alkalinity as CaCO3	154	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Dissolved Organic Carbon	3.7	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Total Organic Carbon	4.1	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Conductivity	357	uS/cm	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	F1 (C6-C10)	<0.1	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	F1-BTEX (C6-C10)	<0.1	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	F2 (C10-C16)	<0.1	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	F3 (C16-C34)	<0.2	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	F4 (C34-C50)	<0.2	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Total Dissolved Solids (COND - CALC)	232	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	m/p-xylene	<0.5	ug/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	o-xylene	<0.5	ug/L	Exova Accutest
1050720	MS-MRY-13B	14-Aug-13	pH	8.3	pH units	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Silver (Total)	<0.000001	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Aluminum (Total)	0.0078	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Arsenic (Total)	0.00013	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Boron (Total)	0.011	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Barium (Total)	0.0207	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Beryllium (Total)	<0.00002	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Bismuth (Total)	<0.00050	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Calcium (Total)	33.7	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Chromium (Total)	0.00052	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Copper (Total)	0.00138	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Iron (Total)	0.012	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Hardness as CaCO3 (Total)	190	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Mercury (Total)	<0.000010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Potassium (Total)	1.01	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Lithium (Total)	0.0019	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Magnesium (Total)	25.7	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Manganese (Total)	0.000418	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Molybdenum (Total)	0.000142	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Sodium (Total)	2.22	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Nickel (Total)	0.00675	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Antimony (Total)	<0.00010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Selenium (Total)	<0.00001	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Silicon (Total)	3.99	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Tin (Total)	<0.00010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Strontium (Total)	0.0162	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Titanium (Total)	<0.01	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Thallium (Total)	<0.000001	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Uranium (Total)	0.000343	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
1050722	MS-MRY-13B	14-Aug-13	Zinc (Total)	<0.0030	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Alkalinity as CaCO3	148	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Total Organic Carbon	3.6	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Conductivity	342	uS/cm	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	F2 (C10-C16)	<0.1	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	F3 (C16-C34)	<0.2	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	F4 (C34-C50)	<0.2	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Lead (Dissolved)	<0.00005	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Phenol	<0.001	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Total Dissolved Solids (COND - CALC)	200	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052848	MS-MRY-13B	21-Aug-13	pH	8.17	pH units	Exova Accutest
1049321	MS-C-A	7-Aug-13	Conductivity	152	uS/cm	Exova Accutest
1049321	MS-C-A	7-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1049321	MS-C-A	7-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1049321	MS-C-A	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049321	MS-C-A	7-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049321	MS-C-A	7-Aug-13	pH	7.75	pH units	Exova Accutest
1050703	MS-C-A	14-Aug-13	Conductivity	166	uS/cm	Exova Accutest
1050703	MS-C-A	14-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1050703	MS-C-A	14-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1050703	MS-C-A	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050703	MS-C-A	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050703	MS-C-A	14-Aug-13	pH	7.94	pH units	Exova Accutest
1052830	MS-C-A	21-Aug-13	Conductivity	186	uS/cm	Exova Accutest
1052830	MS-C-A	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	N-NO3 (Nitrate)	0.14	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052830	MS-C-A	21-Aug-13	pH	7.52	pH units	Exova Accutest
1053208	MS-C-A	25-Aug-13	Conductivity	177	uS/cm	Exova Accutest
1053208	MS-C-A	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053208	MS-C-A	25-Aug-13	N-NO3 (Nitrate)	0.15	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1053208	MS-C-A	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053208	MS-C-A	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053208	MS-C-A	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053208	MS-C-A	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053208	MS-C-A	25-Aug-13	pH	7.52	pH units	Exova Accutest
1054428	MS-C-A	27-Aug-13	Conductivity	178	uS/cm	Exova Accutest
1054428	MS-C-A	27-Aug-13	N-NH3 (Ammonia)	0.07	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	N-NO3 (Nitrate)	0.16	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054428	MS-C-A	27-Aug-13	pH	7.57	pH units	Exova Accutest
1049322	MS-C-B	7-Aug-13	Conductivity	154	uS/cm	Exova Accutest
1049322	MS-C-B	7-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1049322	MS-C-B	7-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1049322	MS-C-B	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049322	MS-C-B	7-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049322	MS-C-B	7-Aug-13	pH	7.89	pH units	Exova Accutest
1050704	MS-C-B	14-Aug-13	Conductivity	182	uS/cm	Exova Accutest
1050704	MS-C-B	14-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1050704	MS-C-B	14-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1050704	MS-C-B	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050704	MS-C-B	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050704	MS-C-B	14-Aug-13	pH	7.8	pH units	Exova Accutest
1052831	MS-C-B	21-Aug-13	Conductivity	188	uS/cm	Exova Accutest
1052831	MS-C-B	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	N-NO3 (Nitrate)	0.14	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052831	MS-C-B	21-Aug-13	pH	7.85	pH units	Exova Accutest
1053209	MS-C-B	25-Aug-13	Conductivity	180	uS/cm	Exova Accutest
1053209	MS-C-B	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	N-NO3 (Nitrate)	0.16	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053209	MS-C-B	25-Aug-13	pH	7.88	pH units	Exova Accutest
1054429	MS-C-B	27-Aug-13	Conductivity	192	uS/cm	Exova Accutest
1054429	MS-C-B	27-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	N-NO3 (Nitrate)	0.18	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054429	MS-C-B	27-Aug-13	pH	7.89	pH units	Exova Accutest
1049323	MS-C-C	7-Aug-13	Conductivity	306	uS/cm	Exova Accutest
1049323	MS-C-C	7-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1049323	MS-C-C	7-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1049323	MS-C-C	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049323	MS-C-C	7-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049323	MS-C-C	7-Aug-13	pH	8.11	pH units	Exova Accutest
1050705	MS-C-C	14-Aug-13	Conductivity	319	uS/cm	Exova Accutest
1050705	MS-C-C	14-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1050705	MS-C-C	14-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1050705	MS-C-C	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050705	MS-C-C	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050705	MS-C-C	14-Aug-13	pH	8.06	pH units	Exova Accutest
1052832	MS-C-C	21-Aug-13	Conductivity	309	uS/cm	Exova Accutest
1052832	MS-C-C	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052832	MS-C-C	21-Aug-13	pH	8.16	pH units	Exova Accutest
1053210	MS-C-C	25-Aug-13	Conductivity	308	uS/cm	Exova Accutest
1053210	MS-C-C	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053210	MS-C-C	25-Aug-13	pH	8.13	pH units	Exova Accutest
1054430	MS-C-C	27-Aug-13	Conductivity	307	uS/cm	Exova Accutest
1054430	MS-C-C	27-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054430	MS-C-C	27-Aug-13	pH	8.24	pH units	Exova Accutest
1049324	MS-C-D	7-Aug-13	Conductivity	273	uS/cm	Exova Accutest
1049324	MS-C-D	7-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1049324	MS-C-D	7-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1049324	MS-C-D	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049324	MS-C-D	7-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1049324	MS-C-D	7-Aug-13	pH	8.12	pH units	Exova Accutest
1050706	MS-C-D	14-Aug-13	Conductivity	302	uS/cm	Exova Accutest
1050706	MS-C-D	14-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1050706	MS-C-D	14-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1050706	MS-C-D	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050706	MS-C-D	14-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1050706	MS-C-D	14-Aug-13	pH	8.1	pH units	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1052833	MS-C-D	21-Aug-13	Conductivity	288	uS/cm	Exova Accutest
1052833	MS-C-D	21-Aug-13	N-NH3 (Ammonia)	0.1	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052833	MS-C-D	21-Aug-13	pH	8.13	pH units	Exova Accutest
1053211	MS-C-D	25-Aug-13	Conductivity	267	uS/cm	Exova Accutest
1053211	MS-C-D	25-Aug-13	N-NH3 (Ammonia)	0.06	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053211	MS-C-D	25-Aug-13	pH	8.15	pH units	Exova Accutest
1054431	MS-C-D	27-Aug-13	Conductivity	271	uS/cm	Exova Accutest
1054431	MS-C-D	27-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054431	MS-C-D	27-Aug-13	pH	8.3	pH units	Exova Accutest
1049325	MS-C-E	7-Aug-13	Conductivity	280	uS/cm	Exova Accutest
1049325	MS-C-E	7-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1049325	MS-C-E	7-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1049325	MS-C-E	7-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1049325	MS-C-E	7-Aug-13	Total Suspended Solids	4	mg/L	Exova Accutest
1049325	MS-C-E	7-Aug-13	pH	8.27	pH units	Exova Accutest
1050707	MS-C-E	14-Aug-13	Conductivity	298	uS/cm	Exova Accutest
1050707	MS-C-E	14-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1050707	MS-C-E	14-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1050707	MS-C-E	14-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1050707	MS-C-E	14-Aug-13	Total Suspended Solids	23	mg/L	Exova Accutest
1050707	MS-C-E	14-Aug-13	pH	8.16	pH units	Exova Accutest
1052834	MS-C-E	21-Aug-13	Conductivity	288	uS/cm	Exova Accutest
1052834	MS-C-E	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	Total Suspended Solids	2	mg/L	Exova Accutest
1052834	MS-C-E	21-Aug-13	pH	8.2	pH units	Exova Accutest
1053212	MS-C-E	25-Aug-13	Conductivity	271	uS/cm	Exova Accutest
1053212	MS-C-E	25-Aug-13	N-NH3 (Ammonia)	0.06	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053212	MS-C-E	25-Aug-13	pH	8.18	pH units	Exova Accutest
1054432	MS-C-E	27-Aug-13	Conductivity	282	uS/cm	Exova Accutest
1054432	MS-C-E	27-Aug-13	N-NH3 (Ammonia)	0.05	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054432	MS-C-E	27-Aug-13	pH	8.28	pH units	Exova Accutest
1052835	MS-C-F	21-Aug-13	Conductivity	204	uS/cm	Exova Accutest
1052835	MS-C-F	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	N-NO3 (Nitrate)	0.14	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052835	MS-C-F	21-Aug-13	pH	8.1	pH units	Exova Accutest
1053213	MS-C-F	25-Aug-13	Conductivity	191	uS/cm	Exova Accutest
1053213	MS-C-F	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	N-NO3 (Nitrate)	0.18	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053213	MS-C-F	25-Aug-13	pH	8.05	pH units	Exova Accutest
1054433	MS-C-F	27-Aug-13	Conductivity	190	uS/cm	Exova Accutest
1054433	MS-C-F	27-Aug-13	N-NH3 (Ammonia)	0.05	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	N-NO3 (Nitrate)	0.19	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054433	MS-C-F	27-Aug-13	pH	8.07	pH units	Exova Accutest
1052836	MQ-C-B	21-Aug-13	Conductivity	313	uS/cm	Exova Accutest
1052836	MQ-C-B	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1052836	MQ-C-B	21-Aug-13	pH	8.13	pH units	Exova Accutest
1053214	MQ-C-B	25-Aug-13	Conductivity	279	uS/cm	Exova Accutest
1053214	MQ-C-B	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053214	MQ-C-B	25-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1053214	MQ-C-B	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053214	MQ-C-B	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1053214	MQ-C-B	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053214	MQ-C-B	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053214	MQ-C-B	25-Aug-13	pH	8.12	pH units	Exova Accutest
1054434	MQ-C-B	27-Aug-13	Conductivity	232	uS/cm	Exova Accutest
1054434	MQ-C-B	27-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054434	MQ-C-B	27-Aug-13	pH	8.16	pH units	Exova Accutest
1052837	MQ-C-D	21-Aug-13	Conductivity	224	uS/cm	Exova Accutest
1052837	MQ-C-D	21-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	Total Suspended Solids	8	mg/L	Exova Accutest
1052837	MQ-C-D	21-Aug-13	pH	8.06	pH units	Exova Accutest
1053215	MQ-C-D	25-Aug-13	Conductivity	222	uS/cm	Exova Accutest
1053215	MQ-C-D	25-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1053215	MQ-C-D	25-Aug-13	pH	8.03	pH units	Exova Accutest
1054435	MQ-C-D	27-Aug-13	Conductivity	233	uS/cm	Exova Accutest
1054435	MQ-C-D	27-Aug-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1054435	MQ-C-D	27-Aug-13	pH	8.17	pH units	Exova Accutest

*Notes: Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)
Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14).
Areas of Non Compliances: Sample at MP-MRY-04 (Milne Port RBC) showed a noncompliance for BOD on August 21 (108 mg/L vs. criteria of 100 mg/L for BOD). The discharge from the RBC was not to the receiving environment, but was to the newly constructed PWSP.
The RBC is to be replaced shortly by a new sewager treatment plant. Sample Station MP-C-F (downstream of construction at Milne Port) exceeded the water licence criteria for TSS on August 20 (190 mg/L vs. 100 mg/L max. grab concentration TSS). This was a short term condition.

MILNE PORT						
1059279	MP-01	18-Sep-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1059218	MP-01	18-Sep-13	Biochemical Oxygen Demand	4	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	Chemical Oxygen Demand	157	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	Total Kjeldahl Nitrogen	41.1	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	N-NH3 (Ammonia)	41.1	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	Total Phosphorus	15.1	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1059218	MP-01	18-Sep-13	pH	6.89	pH units	Exova Accutest
1062419	MP-01	30-Sep-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1062461	MP-01	30-Sep-13	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	Chemical Oxygen Demand	127	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	Total Kjeldahl Nitrogen	2.01	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	N-NH3 (Ammonia)	1.11	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	Total Phosphorus	6.46	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1062461	MP-01	30-Sep-13	pH	7.72	pH units	Exova Accutest
1062460	MP-01	30-Sep-13	Toxicity*	Non-lethal		Exova Accutest
1056021	MRY-5	2-Sep-13	Faecal Coliforms	2000	ct/100mL	Exova Accutest
1056072	MRY-5	2-Sep-13	Biochemical Oxygen Demand	50	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	Chemical Oxygen Demand	210	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	Total Kjeldahl Nitrogen	119	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	N-NH3 (Ammonia)	110	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	Oil & Grease - Total	3	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	Total Phosphorus	10.2	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	Total Suspended Solids	33	mg/L	Exova Accutest
1056072	MRY-5	2-Sep-13	pH	8	pH units	Exova Accutest
1056063	MP-C-B	2-Sep-13	Conductivity	453	uS/cm	Exova Accutest
1056063	MP-C-B	2-Sep-13	N-NH3 (Ammonia)	0.03	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Turbidity	0.7	NTU	Exova Accutest
1056063	MP-C-B	2-Sep-13	pH	8.25	pH units	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Conductivity	453	uS/cm	Exova Accutest
1056064	MP-C-B01	2-Sep-13	N-NH3 (Ammonia)	0.03	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Turbidity	0.7	NTU	Exova Accutest
1056064	MP-C-B01	2-Sep-13	pH	8.25	pH units	Exova Accutest
MARY RIVER MINE SITE						
1056048	MS-MRY-04	3-Sep-13	Faecal Coliforms	150	ct/100mL	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Biochemical Oxygen Demand	20	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Chemical Oxygen Demand	78	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Total Kjeldahl Nitrogen	22.3	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1056067	MS-MRY-04	3-Sep-13	N-NH3 (Ammonia)	22.2	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Oil & Grease - Total	2	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Total Phosphorus	0.99	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	Total Suspended Solids	43	mg/L	Exova Accutest
1056067	MS-MRY-04	3-Sep-13	pH	7.75	pH units	Exova Accutest
1057230	MS-MRY-04	9-Sep-13	Faecal Coliforms	100	ct/100mL	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Chemical Oxygen Demand	87	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Kjeldahl Nitrogen	30	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	N-NH3 (Ammonia)	27.2	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Phosphorus	1.39	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Suspended Solids	42	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	pH	7.57	pH units	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Biochemical Oxygen Demand	69	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Chemical Oxygen Demand	91	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Kjeldahl Nitrogen	30	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	N-NH3 (Ammonia)	27.7	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Phosphorus	1.51	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Suspended Solids	48	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	pH	7.45	pH units	Exova Accutest
1059401	MS-MRY-04	17-Sep-13	Faecal Coliforms	7000	ct/100mL	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Biochemical Oxygen Demand	13	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Chemical Oxygen Demand	77	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Total Kjeldahl Nitrogen	9.46	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	N-NH3 (Ammonia)	6.03	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Total Phosphorus	1.09	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	Total Suspended Solids	25	mg/L	Exova Accutest
1059375	MS-MRY-04	17-Sep-13	pH	7.47	pH units	Exova Accutest
1060644	MS-MRY-04	23-Sep-13	Faecal Coliforms	80	ct/100mL	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Biochemical Oxygen Demand	20	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Chemical Oxygen Demand	84	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Total Kjeldahl Nitrogen	11.1	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	N-NH3 (Ammonia)	7.37	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Total Phosphorus	1.26	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	Total Suspended Solids	34	mg/L	Exova Accutest
1060698	MS-MRY-04	23-Sep-13	pH	7.45	pH units	Exova Accutest
1056049	MS-C-A	4-Sep-13	Conductivity	176	uS/cm	Exova Accutest
1056049	MS-C-A	4-Sep-13	N-NO3 (Nitrate)	0.12	mg/L	Exova Accutest
1056049	MS-C-A	4-Sep-13	pH	7.42	pH units	Exova Accutest
1056049	MS-C-A	4-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056049	MS-C-A	4-Sep-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1056049	MS-C-A	4-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056049	MS-C-A	4-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056049	MS-C-A	4-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	Conductivity	189	uS/cm	Exova Accutest
1056050	MS-C-B	4-Sep-13	N-NO3 (Nitrate)	0.14	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	pH	7.69	pH units	Exova Accutest
1056050	MS-C-B	4-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	N-NH3 (Ammonia)	0.03	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056050	MS-C-B	4-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	Conductivity	305	uS/cm	Exova Accutest
1056051	MS-C-D	4-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	pH	8.08	pH units	Exova Accutest
1056051	MS-C-D	4-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056051	MS-C-D	4-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	Conductivity	287	uS/cm	Exova Accutest
1056052	MS-C-E	4-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	pH	8.13	pH units	Exova Accutest
1056052	MS-C-E	4-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056052	MS-C-E	4-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	Conductivity	180	uS/cm	Exova Accutest
1058137	MS-C-A	10-Sep-13	N-NO3 (Nitrate)	0.13	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	pH	7.36	pH units	Exova Accutest
1058137	MS-C-A	10-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	N-NH3 (Ammonia)	0.06	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1058137	MS-C-A	10-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	Conductivity	301	uS/cm	Exova Accutest
1058138	MS-C-E	10-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	pH	8.05	pH units	Exova Accutest
1058138	MS-C-E	10-Sep-13	Total Suspended Solids	5	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	N-NH3 (Ammonia)	0.15	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1058138	MS-C-E	10-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	Conductivity	317	uS/cm	Exova Accutest
1058139	MQ-C-B	10-Sep-13	N-NO3 (Nitrate)	0.12	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	pH	8.01	pH units	Exova Accutest
1058139	MQ-C-B	10-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1058139	MQ-C-B	10-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1058140	MQ-C-D	10-Sep-13	Conductivity	269	uS/cm	Exova Accutest
1058140	MQ-C-D	10-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1058140	MQ-C-D	10-Sep-13	pH	7.96	pH units	Exova Accutest
1058140	MQ-C-D	10-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1058140	MQ-C-D	10-Sep-13	N-NH3 (Ammonia)	0.02	mg/L	Exova Accutest
1058140	MQ-C-D	10-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1058140	MQ-C-D	10-Sep-13	Oil & Grease - Non-mineral	2	mg/L	Exova Accutest
1058140	MQ-C-D	10-Sep-13	Oil & Grease - Total	2	mg/L	Exova Accutest

**Note: Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Envinronmental Protection Series Method EPS/1/RM/13)*
Acute Lethality to Daphnia magna (as per Environment Canada's Envinronmental Protection Series Method EPS/1/RM/14).
Areas of Non-Compliances:
Sample Station MP-01(Milne Port WWTP) showed a non compliance for ammonia on September 18 (41.1mg/L vs. criteria of 4 mg/L for N-NH3). The discharge from the WWTP was not to the receiving environment, but was to the newly constructed PWSP. The WWTP is being commissioned shortly to replace the old RBC.
Sample Station MS-MRY-04(Mine Site RBC) showed non compliance for several parameters during September. The discharge from the RBC was not to the receiving environment, but was to the PWSP. The RBC is currently

Milne Port						
1064853	MP-01	10-Oct-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1064853	MP-01	10-Oct-13	Chemical Oxygen Demand	46	mg/L	Exova Accutest
1064855	MP-01	10-Oct-13	Faecal Coliforms	10	ct/100mL	Exova Accutest
1064853	MP-01	10-Oct-13	Total Kjeldahl Nitrogen	1.86	mg/L	Exova Accutest
1064853	MP-01	10-Oct-13	N-NH3 (Ammonia)	0.19	mg/L	Exova Accutest
1064853	MP-01	10-Oct-13	Oil & Grease - Total	2	mg/L	Exova Accutest
1064853	MP-01	10-Oct-13	Total Suspended Solids	3	mg/L	Exova Accutest
1064853	MP-01	10-Oct-13	pH	7.86	pH units	Exova Accutest
1065649	MP-01	15-Oct-13	Biochemical Oxygen Demand	3	mg/L	Exova Accutest
1065649	MP-01	15-Oct-13	Chemical Oxygen Demand	39	mg/L	Exova Accutest
1065652	MP-01	15-Oct-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1065649	MP-01	15-Oct-13	Total Kjeldahl Nitrogen	1.93	mg/L	Exova Accutest
1065649	MP-01	15-Oct-13	N-NH3 (Ammonia)	0.2	mg/L	Exova Accutest
1065649	MP-01	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065649	MP-01	15-Oct-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1065649	MP-01	15-Oct-13	pH	7.87	pH units	Exova Accutest
1067299	MP-01	22-Oct-13	Alkalinity as CaCO3	200	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	Chemical Oxygen Demand	35	mg/L	Exova Accutest
1067547	MP-01	22-Oct-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1067299	MP-01	22-Oct-13	Total Kjeldahl Nitrogen	1.95	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	N-NH3 (Ammonia)	0.1	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1067299	MP-01	22-Oct-13	pH	7.57	pH units	Exova Accutest
1069637	MP-01	29-Oct-13	Alkalinity as CaCO3	215	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	Chemical Oxygen Demand	37	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	Total Kjeldahl Nitrogen	1.64	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	N-NH3 (Ammonia)	0.11	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1069637	MP-01	29-Oct-13	pH	8.12	pH units	Exova Accutest
MARY RIVER MINE SITE						
1065602	MS-MRY-04	15-Oct-13	Biochemical Oxygen Demand	40	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Chemical Oxygen Demand	182	mg/L	Exova Accutest
1065622	MS-MRY-04	15-Oct-13	Faecal Coliforms	1800	ct/100mL	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Kjeldahl Nitrogen	13.6	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	N-NH3 (Ammonia)	9.17	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Phosphorus	5.44	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Suspended Solids	163	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	pH	7.28	pH units	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Biochemical Oxygen Demand	39	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Chemical Oxygen Demand	242	mg/L	Exova Accutest
1065623	MS-MRY-0401	15-Oct-13	Faecal Coliforms	1700	ct/100mL	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Kjeldahl Nitrogen	15.6	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	N-NH3 (Ammonia)	9.57	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Phosphorus	6.9	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Suspended Solids	180	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	pH	7.37	pH units	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1065624	MS-MRY-0402	15-Oct-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Total Kjeldahl Nitrogen	<0.10	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Total Phosphorus	<0.003	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1065604	MS-MRY-0402	15-Oct-13	pH	7.23	pH units	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1065625	MS-MRY-0403	15-Oct-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Total Kjeldahl Nitrogen	<0.10	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	N-NH3 (Ammonia)	<0.02	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Total Phosphorus	<0.003	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1065605	MS-MRY-0403	15-Oct-13	pH	6.84	pH units	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Alkalinity as CaCO3	194	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Biochemical Oxygen Demand	36	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Chemical Oxygen Demand	190	mg/L	Exova Accutest
1067551	MS-MRY-04	22-Oct-13	Faecal Coliforms	1400	ct/100mL	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Total Kjeldahl Nitrogen	21.8	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	N-NH3 (Ammonia)	15.9	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Total Phosphorus	6.38	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	Total Suspended Solids	131	mg/L	Exova Accutest
1067302	MS-MRY-04	22-Oct-13	pH	7.56	pH units	Exova Accutest
1069634	MS-MRY-04	29-Oct-13	Alkalinity as CaCO3	112	mg/L	Exova Accutest

Baffinland

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1069634	*MS-MRY-04*	*29-Oct-13*	*Biochemical Oxygen Demand*	18	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*Chemical Oxygen Demand*	141	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*Total Kjeldahl Nitrogen*	6.74	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*N-NH3 (Ammonia)*	3.26	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*Total Phosphorus*	3.45	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*Total Suspended Solids*	87	*mg/L*	*Exova Accutest*
1069634	*MS-MRY-04*	*29-Oct-13*	*pH*	7.72	*pH units*	*Exova Accutest*

Non-compliances to the Water Licence are indicated by yellow shading. Sample Station MS-MRY-04 (Mine Site RBC) showed non-compliance for several parameters during October. The discharge from the RBC was not to the receiving environment, but was to the PWSP, a lined and engineered containment pond. In the spring, after melt, the effluent will be resampled and re-treated if necessary prior to discharge to the receiving environment. The RBC was in an upset condition due in part to the fluctuating loadings received during commissioning of the new sewage treatment pland (MS-01). The RBC is currently being phased out and is soon to be replaced shortly with the above referenced plant.
Note: *MS-MRY-0401 is a field duplicate of MS-MRY-04. MS-MRY-0402 is a field blank for MS-MRY-04. MS-MRY-0403 is a travel blank for MS-MRY-04.*

Milne Port

1070666	*MP-01*	*5-Nov-13*	*Biochemical Oxygen Demand*	1	*mg/L*	*Exova*
1070683	*MP-01*	*5-Nov-13*	*Faecal Coliforms*	5	*ct/100mL*	*Exova*
1070666	*MP-01*	*5-Nov-13*	*Total Kjeldahl Nitrogen*	1.4	*mg/L*	*Exova*
1070666	*MP-01*	*5-Nov-13*	*N-NH3 (Ammonia)*	0.18	*mg/L*	*Exova*
1070666	*MP-01*	*5-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1070666	*MP-01*	*5-Nov-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova*
1070666	*MP-01*	*5-Nov-13*	*pH*	8.65	*pH units*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*Biochemical Oxygen Demand*	9	*mg/L*	*Exova*
1072307	*MP-01*	*12-Nov-13*	*Faecal Coliforms*	300	*ct/100mL*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*Total Kjeldahl Nitrogen*	2.01	*mg/L*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*N-NH3 (Ammonia)*	1.88	*mg/L*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*Oil & Grease - Total*	5	*mg/L*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova*
1072304	*MP-01*	*12-Nov-13*	*pH*	7.84	*pH units*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*Biochemical Oxygen Demand*	10	*mg/L*	*Exova*
1073900	*MP-01*	*19-Nov-13*	*Faecal Coliforms*	6	*ct/100mL*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*Total Kjeldahl Nitrogen*	6.94	*mg/L*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*N-NH3 (Ammonia)*	5.69	*mg/L*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova*
1073897	*MP-01*	*19-Nov-13*	*pH*	8.03	*pH units*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova*
1075776	*MP-01*	*26-Nov-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*Total Kjeldahl Nitrogen*	1.15	*mg/L*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*N-NH3 (Ammonia)*	0.24	*mg/L*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*Total Suspended Solids*	3	*mg/L*	*Exova*
1075773	*MP-01*	*26-Nov-13*	*pH*	7.79	*pH units*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*Biochemical Oxygen Demand*	2	*mg/L*	*Exova*
1075778	*MP-0101*	*26-Nov-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*Total Kjeldahl Nitrogen*	2.26	*mg/L*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*N-NH3 (Ammonia)*	1.89	*mg/L*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*Total Suspended Solids*	2	*mg/L*	*Exova*
1075775	*MP-0101*	*26-Nov-13*	*pH*	7.8	*pH units*	*Exova*

MARY RIVER MINE SITE

1070689	*MS-MRY-04*	*5-Nov-13*	*Biochemical Oxygen Demand*	6	*mg/L*	*Exova*
1070692	*MS-MRY-04*	*5-Nov-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*Total Kjeldahl Nitrogen*	2.73	*mg/L*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*N-NH3 (Ammonia)*	0.31	*mg/L*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*Total Phosphorus*	1.25	*mg/L*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*Total Suspended Solids*	11	*mg/L*	*Exova*
1070689	*MS-MRY-04*	*5-Nov-13*	*pH*	7.81	*pH units*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*Biochemical Oxygen Demand*	29	*mg/L*	*Exova*
1072303	*MS-MRY-04*	*12-Nov-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*Total Kjeldahl Nitrogen*	11.2	*mg/L*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*N-NH3 (Ammonia)*	4.61	*mg/L*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*Total Phosphorus*	3.63	*mg/L*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*Total Suspended Solids*	38	*mg/L*	*Exova*
1072299	*MS-MRY-04*	*12-Nov-13*	*pH*	8	*pH units*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova*
1075789	*MS-01*	*26-Nov-13*	*Faecal Coliforms*	1	*ct/100mL*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*Total Kjeldahl Nitrogen*	0.82	*mg/L*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*N-NH3 (Ammonia)*	0.43	*mg/L*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*Total Phosphorus*	19	*mg/L*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*Total Suspended Solids*	3	*mg/L*	*Exova*
1075787	*MS-01*	*26-Nov-13*	*pH*	7.81	*pH units*	*Exova*

Non-compliances to the Water Licence are indicated by yellow shading. Sample Stations MS-MRY-04 (Mine Site RBC) and MS-01 (Mine Site MBR) showed non-compliance for several parameters during November. The discharge from the WWTPs was not to the receiving environment, but was to the PWSP, a lined and engineered containment pond. In the spring, after melt, the effluent will be resampled and re-treated if necessary prior to discharge to the receiving environment. The RBC was in an upset condition due in part to the fluctuating loadings received during the commissionng of the new sewage treatment plant (MS-01). The RBC is currently being phased out and is soon to be replaced shortly with the above referenced plant.

Note: MP-0101 is a field duplicate of MP-01.

Milne Port

1077051	*MP-01*	*3-Dec-13*	*Biochemical Oxygen Demand*	2	*mg/L*	*Exova*
1077053	*MP-01*	*3-Dec-13*	*Faecal Coliforms*	1	*ct/100mL*	*Exova*
1077051	*MP-01*	*3-Dec-13*	*Total Kjeldahl Nitrogen*	1.29	*mg/L*	*Exova*
1077051	*MP-01*	*3-Dec-13*	*N-NH3 (Ammonia)*	0.34	*mg/L*	*Exova*
1077051	*MP-01*	*3-Dec-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova*
1077051	*MP-01*	*3-Dec-13*	*Total Suspended Solids*	3	*mg/L*	*Exova*
1077051	*MP-01*	*3-Dec-13*	*pH*	7.88	*pH units*	*Exova*
1078423	*MP-01*	*10-Dec-13*	*Biochemical Oxygen Demand*	1	*mg/L*	*Exova*
1078426	*MP-01*	*10-Dec-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova*

TABLE 2.6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD
WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1078423	MP-01	10-Dec-13	Total Kjeldahl Nitrogen	2.03	mg/L	Exova
1078423	MP-01	10-Dec-13	N-NH3 (Ammonia)	0.42	mg/L	Exova
1078423	MP-01	10-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1078423	MP-01	10-Dec-13	Total Suspended Solids	<2	mg/L	Exova
1078423	MP-01	10-Dec-13	pH	7.92	pH units	Exova
1079394	MP-01	16-Dec-13	Biochemical Oxygen Demand	<1	mg/L	Exova
1079397	MP-01	16-Dec-13	Faecal Coliforms	0	ct/100mL	Exova
1079394	MP-01	16-Dec-13	Total Kjeldahl Nitrogen	0.65	mg/L	Exova
1079394	MP-01	16-Dec-13	N-NH3 (Ammonia)	0.4	mg/L	Exova
1079394	MP-01	16-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1079394	MP-01	16-Dec-13	Total Suspended Solids	<2	mg/L	Exova
1079394	MP-01	16-Dec-13	pH	7.85	pH units	Exova
1080504	MP-01	26-Dec-13	Biochemical Oxygen Demand	3	mg/L	Exova
1080506	MP-01	26-Dec-13	Faecal Coliforms	0	ct/100mL	Exova
1080504	MP-01	26-Dec-13	Total Kjeldahl Nitrogen	1.63	mg/L	Exova
1080504	MP-01	26-Dec-13	N-NH3 (Ammonia)	0.42	mg/L	Exova
1080504	MP-01	26-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1080504	MP-01	26-Dec-13	Total Suspended Solids	3	mg/L	Exova
1080504	MP-01	26-Dec-13	pH	7.84	pH units	Exova
MARY RIVER MINE SITE						
1079382	MS-MRY-04	14-Dec-13	Biochemical Oxygen Demand	17	mg/L	Exova
1079386	MS-MRY-04	14-Dec-13	Faecal Coliforms	48	ct/100mL	Exova
1079382	MS-MRY-04	14-Dec-13	Total Kjeldahl Nitrogen	34.7	mg/L	Exova
1079382	MS-MRY-04	14-Dec-13	N-NH3 (Ammonia)	34.7	mg/L	Exova
1079382	MS-MRY-04	14-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1079382	MS-MRY-04	14-Dec-13	Total Phosphorus	3.91	mg/L	Exova
1079382	MS-MRY-04	14-Dec-13	Total Suspended Solids	13	mg/L	Exova
1079382	MS-MRY-04	14-Dec-13	pH	7.61	pH units	Exova
1080498	MS-MRY-04	26-Dec-13	Biochemical Oxygen Demand	20	mg/L	Exova
1080500	MS-MRY-04	26-Dec-13	Faecal Coliforms	170	ct/100mL	Exova
1080498	MS-MRY-04	26-Dec-13	Total Kjeldahl Nitrogen	5.51	mg/L	Exova
1080498	MS-MRY-04	26-Dec-13	N-NH3 (Ammonia)	3.47	mg/L	Exova
1080498	MS-MRY-04	26-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1080498	MS-MRY-04	26-Dec-13	Total Phosphorus	3.03	mg/L	Exova
1080498	MS-MRY-04	26-Dec-13	Total Suspended Solids	21	mg/L	Exova
1080498	MS-MRY-04	26-Dec-13	pH	7.58	pH units	Exova
1077059	MS-01	3-Dec-13	Biochemical Oxygen Demand	2	mg/L	Exova
1077061	MS-01	3-Dec-13	Faecal Coliforms	0	ct/100mL	Exova
1077059	MS-01	3-Dec-13	Total Kjeldahl Nitrogen	1.32	mg/L	Exova
1077059	MS-01	3-Dec-13	N-NH3 (Ammonia)	0.16	mg/L	Exova
1077059	MS-01	3-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1077059	MS-01	3-Dec-13	Total Phosphorus	16.3	mg/L	Exova
1077059	MS-01	3-Dec-13	Total Suspended Solids	<2	mg/L	Exova
1077059	MS-01	3-Dec-13	pH	7.63	pH units	Exova
1078416	MS-01	10-Dec-13	Biochemical Oxygen Demand	3	mg/L	Exova
1078418	MS-01	10-Dec-13	Faecal Coliforms	1	ct/100mL	Exova
1078416	MS-01	10-Dec-13	Total Kjeldahl Nitrogen	6.74	mg/L	Exova
1078416	MS-01	10-Dec-13	N-NH3 (Ammonia)	4.7	mg/L	Exova
1078416	MS-01	10-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1078416	MS-01	10-Dec-13	Total Phosphorus	25.6	mg/L	Exova
1078416	MS-01	10-Dec-13	Total Suspended Solids	3	mg/L	Exova
1078416	MS-01	10-Dec-13	pH	6.31	pH units	Exova
1079384	MS-01	14-Dec-13	Biochemical Oxygen Demand	10	mg/L	Exova
1079387	MS-01	14-Dec-13	Faecal Coliforms	490	ct/100mL	Exova
1079384	MS-01	14-Dec-13	Total Kjeldahl Nitrogen	18.8	mg/L	Exova
1079384	MS-01	14-Dec-13	N-NH3 (Ammonia)	15	mg/L	Exova
1079384	MS-01	14-Dec-13	Oil & Grease - Total	4	mg/L	Exova
1079384	MS-01	14-Dec-13	Total Phosphorus	30.3	mg/L	Exova
1079384	MS-01	14-Dec-13	Total Suspended Solids	14	mg/L	Exova
1079384	MS-01	14-Dec-13	pH	5.68	pH units	Exova
1080501	MS-01	26-Dec-13	Biochemical Oxygen Demand	8	mg/L	Exova
1080503	MS-01	26-Dec-13	Faecal Coliforms	280	ct/100mL	Exova
1080501	MS-01	26-Dec-13	Total Kjeldahl Nitrogen	2.16	mg/L	Exova
1080501	MS-01	26-Dec-13	N-NH3 (Ammonia)	1.29	mg/L	Exova
1080501	MS-01	26-Dec-13	Oil & Grease - Total	<1	mg/L	Exova
1080501	MS-01	26-Dec-13	Total Phosphorus	34.4	mg/L	Exova
1080501	MS-01	26-Dec-13	Total Suspended Solids	10	mg/L	Exova
1080501	MS-01	26-Dec-13	pH	7.51	pH units	Exova

Non-compliances to the Water Licence are indicated by yellow shading. Sample Stations MS-MRY-04 (Mine Site RBC) and MS-01 (Mine Site MBR) showed non-compliance for several parameters during December. The discharge from the WWTPs was not to the receiving environment, but was to the PWSP, a lined and engineered containment pond. In the spring, after melt, the effluent will be resampled and re-treated if necessary prior to discharge to the receiving environment. The RBC was in an upset condition due in part to the fluctuating loadings received during the commissionng of the new sewage treatment plant (MS-01). The RBC is currently being phased out and is soon to be replaced shortly with the above referenced plant..

TABLE 2.7

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
TOXICITY MONITORING RESULTS FOR WATER LICENCE MONITORING LOCATIONS

Exova Certificate	Sample Number	Sample ID	Date Sampled	Toxicity Test	Result	Lab
1310731	*1030859*	*MRY-4C*	*3-Jun-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1310731	*1030859*	*MRY-4C*	*3-Jun-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1310731	*1030858*	*MRY-4B*	*3-Jun-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1310731	*1030858*	*MRY-4B*	*3-Jun-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1311521	*1033101*	*MRY-5A*	*11-Jun-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1311521	*1033101*	*MRY-5A*	*11-Jun-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1313340	*1038371*	*MP-Q1-02*	*30-Jun-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1313340	*1038371*	*MP-Q1-02*	*30-Jun-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1313561	*1039008*	*MRY-4A*	*2-Jul-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1313561	*1039008*	*MRY-4A*	*2-Jul-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1315700	*1045184*	*MP-C-B*	*22-Jul-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1315700	*1045184*	*MP-C-B*	*22-Jul-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1317335	*1049771*	*MS-MRY-04b*	*11-Aug-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1317335	*1049771*	*MS-MRY-04b*	*11-Aug-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1317721	*1050739*	*MS-MRY-04b*	*13-Aug-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1317721	*1050739*	*MS-MRY-04b*	*13-Aug-13*	*Daphnia*	Non Lethal	*Exova Accutest*
1321715	*1062460*	*MP-01*	*30-Sep-13*	*Rainbow Trout*	Non Lethal	*Exova Accutest*
1321715	*1062460*	*MP-01*	*30-Sep-13*	*Daphnia*	Non Lethal	*Exova Accutest*

Note: Acute lethality to Rainbow trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)
Acute lethality to Daphnia magna (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14).

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TABLE 2.8

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
QA/QC DATA ANALYTICAL ANALYSIS

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1006189	MRY - 4	3-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1006189	MRY - 4	3-Jan-13	Chemical Oxygen Demand	19	mg/L	Exova Accutest
1006195	MRY - 4	3-Jan-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1006189	MRY - 4	3-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006189	MRY - 4	3-Jan-13	Total Suspended Solids	4	mg/L	Exova Accutest
1006189	MRY - 4	3-Jan-13	pH	7.83	pH units	Exova Accutest
1006190	MRY - 401	3-Jan-13	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
1006190	MRY - 401	3-Jan-13	Chemical Oxygen Demand	11	mg/L	Exova Accutest
1006196	MRY - 401	3-Jan-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1006190	MRY - 401	3-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006190	MRY - 401	3-Jan-13	Total Suspended Solids	4	mg/L	Exova Accutest
1006190	MRY - 401	3-Jan-13	pH	7.86	pH units	Exova Accutest
1014884	MRY - 4	7-Mar-13	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
1014884	MRY - 4	7-Mar-13	Chemical Oxygen Demand	12	mg/L	Exova Accutest
1014864	MRY - 4	7-Mar-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1014884	MRY - 4	7-Mar-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1014884	MRY - 4	7-Mar-13	Total Suspended Solids	4	mg/L	Exova Accutest
1014884	MRY - 4	7-Mar-13	pH	7.62	pH units	Exova Accutest
1014887	MRY - 401	7-Mar-13	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
1014887	MRY - 401	7-Mar-13	Chemical Oxygen Demand	10	mg/L	Exova Accutest
1014867	MRY - 401	7-Mar-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1014887	MRY - 401	7-Mar-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1014887	MRY - 401	7-Mar-13	Total Suspended Solids	4	mg/L	Exova Accutest
1014887	MRY - 401	7-Mar-13	pH	7.72	pH units	Exova Accutest
1027960	MRY - 4	9-May-13	Biochemical Oxygen Demand	6	mg/L	Exova Accutest
1027960	MRY - 4	9-May-13	Chemical Oxygen Demand	41	mg/L	Exova Accutest
1027964	MRY - 4	9-May-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1027960	MRY - 4	9-May-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1027960	MRY - 4	9-May-13	Total Suspended Solids	10	mg/L	Exova Accutest
1027960	MRY - 4	9-May-13	pH	7.37	pH units	Exova Accutest
1027961	MRY - 401	9-May-13	Biochemical Oxygen Demand	6	mg/L	Exova Accutest
1027961	MRY - 401	9-May-13	Chemical Oxygen Demand	39	mg/L	Exova Accutest
1027965	MRY - 401	9-May-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1027961	MRY - 401	9-May-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1027961	MRY - 401	9-May-13	Total Suspended Solids	8	mg/L	Exova Accutest
1027961	MRY - 401	9-May-13	pH	7.36	pH units	Exova Accutest
1031638	MRY-4	6-Jun-13	Biochemical Oxygen Demand	23	mg/L	Exova Accutest
1031643	MRY-4	6-Jun-13	Faecal Coliforms	1	ct/100mL	Exova Accutest
1031638	MRY-4	6-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031638	MRY-4	6-Jun-13	Total Suspended Solids	42**	mg/L	Exova Accutest
1031638	MRY-4	6-Jun-13	pH	7.85	pH units	Exova Accutest
1031639	MRY-401	6-Jun-13	Biochemical Oxygen Demand	24	mg/L	Exova Accutest
1031644	MRY-401	6-Jun-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1031639	MRY-401	6-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031639	MRY-401	6-Jun-13	Total Suspended Solids	34	mg/L	Exova Accutest
1031639	MRY-401	6-Jun-13	pH	7.50	pH units	Exova Accutest
1032056	MRY-4	10-Jun-13	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
1032063	MRY-4	10-Jun-13	Faecal Coliforms	2	ct/100mL	Exova Accutest
1032056	MRY-4	10-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1032056	MRY-4	10-Jun-13	Total Suspended Solids	26	mg/L	Exova Accutest
1032056	MRY-4	10-Jun-13	pH	7.91	pH units	Exova Accutest
1032059	MRY-401	10-Jun-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest
1032066	MRY-401	10-Jun-13	Faecal Coliforms	1	ct/100mL	Exova Accutest
1032059	MRY-401	10-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1032059	MRY-401	10-Jun-13	Total Suspended Solids	13	mg/L	Exova Accutest
1032059	MRY-401	10-Jun-13	pH	7.83	pH units	Exova Accutest
1033935	MRY-4	17-Jun-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest
1033954	MRY-4	17-Jun-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1033935	MRY-4	17-Jun-13	Oil & Grease - Total	4	mg/L	Exova Accutest
1033935	MRY-4	17-Jun-13	Total Suspended Solids	24	mg/L	Exova Accutest
1033935	MRY-4	17-Jun-13	pH	7.56	pH units	Exova Accutest

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TABLE 2.8

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
QA/QC DATA ANALYTICAL ANALYSIS

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1033936	MRY-401	17-Jun-13	Biochemical Oxygen Demand	17	mg/L	Exova Accutest
1033955	MRY-401	17-Jun-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1033936	MRY-401	17-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033936	MRY-401	17-Jun-13	Total Suspended Solids	22	mg/L	Exova Accutest
1033936	MRY-401	17-Jun-13	pH	7.62	pH units	Exova Accutest
1036133	MRY-4	24-Jun-13	Biochemical Oxygen Demand	22	mg/L	Exova Accutest
1036101	MRY-4	24-Jun-13	Faecal Coliforms	20	ct/100mL	Exova Accutest
1036133	MRY-4	24-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036133	MRY-4	24-Jun-13	Total Suspended Solids	31	mg/L	Exova Accutest
1036133	MRY-4	24-Jun-13	pH	7.01	pH units	Exova Accutest
1036134	MRY-401	24-Jun-13	Biochemical Oxygen Demand	20	mg/L	Exova Accutest
1036102	MRY-401	24-Jun-13	Faecal Coliforms	10	ct/100mL	Exova Accutest
1036134	MRY-401	24-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036134	MRY-401	24-Jun-13	Total Suspended Solids	34	mg/L	Exova Accutest
1036134	MRY-401	24-Jun-13	pH	7.03	pH units	Exova Accutest
1041844	MRY-4	8-Jul-13	Biochemical Oxygen Demand	15	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	Chemical Oxygen Demand	77	mg/L	Exova Accutest
1041773	MRY-4	8-Jul-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1041844	MRY-4	8-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	Total Suspended Solids	34	mg/L	Exova Accutest
1041844	MRY-4	8-Jul-13	pH	7.81	pH units	Exova Accutest
1041847	MRY-401	8-Jul-13	Biochemical Oxygen Demand	15	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	Chemical Oxygen Demand	73	mg/L	Exova Accutest
1041776	MRY-401	8-Jul-13	Faecal Coliforms	0	ct/100mL	Exova Accutest
1041847	MRY-401	8-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	Total Suspended Solids	24	mg/L	Exova Accutest
1041847	MRY-401	8-Jul-13	pH	7.56	pH units	Exova Accutest
1042948	MRY-4	16-Jul-13	Biochemical Oxygen Demand	35	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	Chemical Oxygen Demand	97	mg/L	Exova Accutest
1042853	MRY-4	16-Jul-13	Faecal Coliforms	102	ct/100mL	Exova Accutest
1042948	MRY-4	16-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	Total Suspended Solids	46*	mg/L	Exova Accutest
1042948	MRY-4	16-Jul-13	pH	7.62	pH units	Exova Accutest
1042949	MRY-401	16-Jul-13	Biochemical Oxygen Demand	22	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	Chemical Oxygen Demand	95	mg/L	Exova Accutest
1042854	MRY-401	16-Jul-13	Faecal Coliforms	11	ct/100mL	Exova Accutest
1042949	MRY-401	16-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	Total Suspended Solids	39*	mg/L	Exova Accutest
1042949	MRY-401	16-Jul-13	pH	7.63	pH units	Exova Accutest
1044380	MRY-4	22-Jul-13	Biochemical Oxygen Demand	13	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	Chemical Oxygen Demand	70	mg/L	Exova Accutest
1044463	MRY-4	22-Jul-13	Faecal Coliforms	1	ct/100mL	Exova Accutest
1044380	MRY-4	22-Jul-13	Oil & Grease - Total	2	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	Total Suspended Solids	30	mg/L	Exova Accutest
1044380	MRY-4	22-Jul-13	pH	7.59	pH units	Exova Accutest
1044381	MRY-401	22-Jul-13	Biochemical Oxygen Demand	14	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	Chemical Oxygen Demand	62	mg/L	Exova Accutest
1044464	MRY-401	22-Jul-13	Faecal Coliforms	2	ct/100mL	Exova Accutest
1044381	MRY-401	22-Jul-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	Total Suspended Solids	27	mg/L	Exova Accutest
1044381	MRY-401	22-Jul-13	pH	7.62	pH units	Exova Accutest
1045825	MRY-13A	24-Jul-13	pH, Laboratory	7.95	pH units	Exova Accutest
1045825	MRY-13A	24-Jul-13	Alkalinity, Total as mg CaCO3 equiv.	124	mg/L	Exova Accutest
1045825	MRY-13A	24-Jul-13	Conductivity in Laboratory	300	uS/cm	Exova Accutest
1045825	MRY-13A	24-Jul-13	Total Dissolved Solids	195	mg/L	Exova Accutest
1045825	MRY-13A	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045825	MRY-13A	24-Jul-13	Oil & Grease - Total	no sheen	mg/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Aluminum (Al) Total	3.8	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Antimony (Sb) Total	<0.10	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Barium (Ba) Total	18.3	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Cadmium (Cd) Total	<0.010	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Chromium (Cr) Total	0.58	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Cobalt (Co) Total	<0.10	ug/L	Exova Accutest

Baffinland

TABLE 2.8

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
QA/QC DATA ANALYTICAL ANALYSIS

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1045828	MRY-13A	24-Jul-13	Copper (Cu) Total	1.68	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Iron (Fe) Total	<3	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Lithium (Li) Total	0.88	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Manganese (Mn) Total	0.593	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Molybdenum (Mo) Total	0.244	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Nickel (Ni) Total	8.84	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Selenium (Se) Total	<0.01	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Tin (Sn) Total	<0.10	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Strontium (Sr) Total	14.4	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Thallium (Tl) Total	0.011	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Titanium (Ti) Total	<10	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Uranium (U) Total	0.336	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Vanadium (V) Total	<1.0	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Zinc (Zn) Total	3.6	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Arsenic (As) Total	0.14	ug/L	Exova Accutest
1045828	MRY-13A	24-Jul-13	Mercury (Hg) Total	<0.010	ug/L	Exova Accutest
1045826	MRY-1301A	24-Jul-13	pH, Laboratory	8.02	pH units	Exova Accutest
1045826	MRY-1301A	24-Jul-13	Alkalinity, Total as mg CaCO3 equiv.	123	mg/L	Exova Accutest
1045826	MRY-1301A	24-Jul-13	Conductivity in Laboratory	300	uS/cm	Exova Accutest
1045826	MRY-1301A	24-Jul-13	Total Dissolved Solids	195	mg/L	Exova Accutest
1045826	MRY-1301A	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045826	MRY-1301A	24-Jul-13	Oil & Grease - Total	no sheen	mg/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Aluminum (Al) Total	11.7	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Antimony (Sb) Total	<0.10	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Barium (Ba) Total	17.5	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Cadmium (Cd) Total	<0.010	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Chromium (Cr) Total	1.01	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Cobalt (Co) Total	<0.10	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Copper (Cu) Total	1.42	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Iron (Fe) Total	31	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Lithium (Li) Total	1.54	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Manganese (Mn) Total	1.58	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Molybdenum (Mo) Total	0.191	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Nickel (Ni) Total	8.78	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Selenium (Se) Total	<0.01	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Tin (Sn) Total	<0.10	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Strontium (Sr) Total	13.8	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Thallium (Tl) Total	0.011	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Titanium (Ti) Total	<10	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Uranium (U) Total	0.339	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Vanadium (V) Total	<1.0	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Zinc (Zn) Total	3.6	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Arsenic (As) Total	0.12	ug/L	Exova Accutest
1045829	MRY-1301A	24-Jul-13	Mercury (Hg) Total	<0.010	ug/L	Exova Accutest
1045819	MS-C-E	24-Jul-13	Conductivity	225	uS/cm	Exova Accutest
1045819	MS-C-E	24-Jul-13	pH	8.19	pH units	Exova Accutest
1045819	MS-C-E	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045819	MS-C-E	24-Jul-13	Turbidity	0.3	NTU	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Conductivity	223	uS/cm	Exova Accutest
1045820	MS-C-E01	24-Jul-13	pH	8.23	pH units	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1045820	MS-C-E01	24-Jul-13	Turbidity	0.2	NTU	Exova Accutest
1056063	MP-C-B	2-Sep-13	Conductivity	453	uS/cm	Exova Accutest
1056063	MP-C-B	2-Sep-13	N-NH3 (Ammonia)	0.03	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056063	MP-C-B	2-Sep-13	Turbidity	0.7	NTU	Exova Accutest
1056063	MP-C-B	2-Sep-13	pH	8.25	pH units	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Conductivity	453	uS/cm	Exova Accutest
1056064	MP-C-B01	2-Sep-13	N-NH3 (Ammonia)	0.03	mg/L	Exova Accutest

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TABLE 2.8

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
QA/QC DATA ANALYTICAL ANALYSIS

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1056064	MP-C-B01	2-Sep-13	N-NO3 (Nitrate)	<0.10	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Mineral	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Non-mineral	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1056064	MP-C-B01	2-Sep-13	Turbidity	0.7	NTU	Exova Accutest
1056064	MP-C-B01	2-Sep-13	pH	8.25	pH units	Exova Accutest
1057230	MS-MRY-04	9-Sep-13	Faecal Coliforms	100	ct/100mL	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Chemical Oxygen Demand	87	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Kjeldahl Nitrogen	30	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	N-NH3 (Ammonia)	27.2	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Phosphorus	1.39	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	Total Suspended Solids	42	mg/L	Exova Accutest
1057248	MS-MRY-04	9-Sep-13	pH	7.57	pH units	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Biochemical Oxygen Demand	69	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Chemical Oxygen Demand	91	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Kjeldahl Nitrogen	30	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	N-NH3 (Ammonia)	27.7	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Phosphorus	1.51	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	Total Suspended Solids	48	mg/L	Exova Accutest
1057251	MS-MRY-0401	9-Sep-13	pH	7.45	pH units	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Biochemical Oxygen Demand	40	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Chemical Oxygen Demand	182	mg/L	Exova Accutest
1065622	MS-MRY-04	15-Oct-13	Faecal Coliforms	1800	ct/100mL	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Kjeldahl Nitrogen	13.6	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	N-NH3 (Ammonia)	9.17	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Phosphorus	5.44	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	Total Suspended Solids	163	mg/L	Exova Accutest
1065602	MS-MRY-04	15-Oct-13	pH	7.28	pH units	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Biochemical Oxygen Demand	39	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Chemical Oxygen Demand	242	mg/L	Exova Accutest
1065623	MS-MRY-0401	15-Oct-13	Faecal Coliforms	1700	ct/100mL	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Kjeldahl Nitrogen	15.6	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	N-NH3 (Ammonia)	9.57	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Phosphorus	6.9	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	Total Suspended Solids	180	mg/L	Exova Accutest
1065603	MS-MRY-0401	15-Oct-13	pH	7.37	pH units	Exova Accutest
1075773	MP-01	26-Nov-13	Biochemical Oxygen Demand	<1	mg/L	Exova
1075776	MP-01	26-Nov-13	Faecal Coliforms	0	ct/100mL	Exova
1075773	MP-01	26-Nov-13	Total Kjeldahl Nitrogen	1.15	mg/L	Exova
1075773	MP-01	26-Nov-13	N-NH3 (Ammonia)	0.24	mg/L	Exova
1075773	MP-01	26-Nov-13	Oil & Grease - Total	<1	mg/L	Exova
1075773	MP-01	26-Nov-13	Total Suspended Solids	3	mg/L	Exova
1075773	MP-01	26-Nov-13	pH	7.79	pH units	Exova
1075775	MP-0101	26-Nov-13	Biochemical Oxygen Demand	2	mg/L	Exova
1075778	MP-0101	26-Nov-13	Faecal Coliforms	0	ct/100mL	Exova
1075775	MP-0101	26-Nov-13	Total Kjeldahl Nitrogen	2.26	mg/L	Exova
1075775	MP-0101	26-Nov-13	N-NH3 (Ammonia)	1.89	mg/L	Exova
1075775	MP-0101	26-Nov-13	Oil & Grease - Total	<1	mg/L	Exova
1075775	MP-0101	26-Nov-13	Total Suspended Solids	2	mg/L	Exova
1075775	MP-0101	26-Nov-13	pH	7.8	pH units	Exova

FIELD BLANKS AND TRAVEL BLANKS

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1006191	MRY - 402	3-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1006191	MRY - 402	3-Jan-13	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1006197	MRY - 402	3-Jan-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1006191	MRY - 402	3-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006191	MRY - 402	3-Jan-13	Total Suspended Solids	<2	mg/L	Exova Accutest

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TABLE 2.8

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
QA/QC DATA ANALYTICAL ANALYSIS

DUPLICATES

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1006191	*MRY - 402*	*3-Jan-13*	*pH*	7.82	*pH units*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Chemical Oxygen Demand*	<5	*mg/L*	*Exova Accutest*
1006198	*MRY - 403*	*3-Jan-13*	*Faecal Coliforms*	<10	*ct/100mL*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1006192	*MRY - 403*	*3-Jan-13*	*pH*	8.43	*pH units*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1031645	*MRY-402*	*6-Jun-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1031640	*MRY-402*	*6-Jun-13*	*pH*	5.56	*pH units*	*Exova Accutest*
1045821	*MS-C-E02*	*24-Jul-13*	*Conductivity*	<5	*uS/cm*	*Exova Accutest*
1045821	*MS-C-E02*	*24-Jul-13*	*pH*	7.47	*pH units*	*Exova Accutest*
1045821	*MS-C-E02*	*24-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045821	*MS-C-E02*	*24-Jul-13*	*Turbidity*	0.2	*NTU*	*Exova Accutest*
1045822	*MS-C-E03*	*24-Jul-13*	*Conductivity*	<5	*uS/cm*	*Exova Accutest*
1045822	*MS-C-E03*	*24-Jul-13*	*pH*	6.61	*pH units*	*Exova Accutest*
1045822	*MS-C-E03*	*24-Jul-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1045822	*MS-C-E03*	*24-Jul-13*	*Turbidity*	0.1	*NTU*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Chemical Oxygen Demand*	<5	*mg/L*	*Exova Accutest*
1065624	*MS-MRY-0402*	*15-Oct-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Total Kjeldahl Nitrogen*	<0.10	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*N-NH3 (Ammonia)*	<0.02	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Total Phosphorus*	<0.003	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1065604	*MS-MRY-0402*	*15-Oct-13*	*pH*	7.23	*pH units*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Biochemical Oxygen Demand*	<1	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Chemical Oxygen Demand*	<5	*mg/L*	*Exova Accutest*
1065625	*MS-MRY-0403*	*15-Oct-13*	*Faecal Coliforms*	0	*ct/100mL*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Total Kjeldahl Nitrogen*	<0.10	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*N-NH3 (Ammonia)*	<0.02	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Oil & Grease - Total*	<1	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Total Phosphorus*	<0.003	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*Total Suspended Solids*	<2	*mg/L*	*Exova Accutest*
1065605	*MS-MRY-0403*	*15-Oct-13*	*pH*	6.84	*pH units*	*Exova Accutest*

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TABLE 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 ANNUAL REPORT TO THE NUNAVUT WATER BOARD

MONTHLY AND ANNUAL QUANTITIES OF AGGREGATES USED FROM BORROWS AND QUARRIES

Month and Year	Removal Area	Quantity Removed (BCM m3)
Jan-13	All Areas	0
Feb-13	All Areas	0
Mar-13	All Areas	0
Apr-13	All Areas	0
May-13	Borrow Source No.1	468
Jun-13	Borrow Source No.1	568
Jun-13	Rock Quarry No. 2	484
Jun-13	Borrow Source No.3	176
Jul-13	Rock Quarry No. 1 (Q1 Quarry)	45981
Jul-13	Rock Quarry No. 2	34660
Jul-13	Rock Quarry No. 1 (Q1 Quarry)	26837
Jul-13	Rock Quarry QMR2	2191
Aug-13	Rock Quarry No. 2	18382
Aug-13	Rock Quarry No. 1 (Q1 Quarry)	29308
Aug-13	Rock Quarry QMR2	15982
Aug-13	Borrow Source No.3	3255
Sep-13	Rock Quarry No. 1 (Q1 Quarry)	9737
Sep-13	Rock Quarry QMR2	2839
Sep-13	Rock Quarry No. 2	13297
Sep-13	Borrow No. 2	138
Oct-13	Rock Quarry Q1	0
Oct-13	Rock Quarry QMR2	0
Oct-13	Tote Road Km98	72
Nov-13	Rock Quarry Q1	38200
Nov-13	Rock Quarry QMR2	0
Nov-13	Tote Road Km98	752
Dec-13	Rock Quarry Q1	3330
Dec-13	Rock Quarry QMR2	3370
Cumulative Total for 2013		***250027***

Note: The year 2013 is a transitional year between the new Commercial Lease No. Q13C301 entered into on September 6, 2013 and the expired Commercial Lease No. QI0C3001 that was in effect to September.

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TABLE 3.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT
BREAKDOWN OF MONTHLY AND ANNUAL QUANTITIES OF SPECIFED SUBSTANCES USED FROM BORROWS AND QUARRIES

Month and Year	Quarry / Borrow Area	Total Volume Material Removed (BCM)	Organic Soils (BCM)	Glacial Till (BCM)	Construction Stone (BCM)	Ice (BCM)
Sep-13	Rock Quarry No. 1 (Q1 Quarry)	9737	0	0	9737	0
Sep-13	Rock Quarry QMR2	2839	0	2839	0	0
Sep-13	Rock Quarry No. 2	13297	0	0	13297	0
Sep-13	Borrow No. 2	138	0	138	0	0
Oct-13	Rock Quarry Q1	0	0	0	0	0
Oct-13	Rock Quarry QMR2	0	0	0	0	0
Oct-13	Tote Road Km98	72	0	138	0	0
Nov-13	Rock Quarry Q1	38200	0	0	38200	0
Nov-13	Rock Quarry QMR2	0	0	0	0	0
Nov-13	Tote Road Km98	752	0	752	0	0
Dec-13	Rock Quarry Q1	3330	0	0	3330	0
Dec-13	Rock Quarry QMR2	3370	0	0	3370	0
Cumulative Total for 2013		*71735*	*0*	*3867*	*67934*	*0*

Note: As per conditons 6.4 d IV of Commercial Lease No. Q13C301 entered into on Septemebr 6, 2013

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TABLE 6.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

SUMMARY OF UNAUTHORIZED DISCHARGES

Date of Occurrence	Quantity	Product Spilled	Immediate Cause and Follow-up Actions	Approximate Location	Proximity to Water body?	Basic Cause, Corrective Actions Taken, and Follow-up	Spill Line ID No.
MILNE PORT							
22-May-13	<500 L	Treated Sewage Effluent	A malfunctioning float caused the Milne Inlet RBC unit to pump an excessive volume through the process, which fouled the filtering system, and overflowed out an access port onto the ground adjacent to the RBC. Due to the impermeability of the frozen ground, nearly all the spilled effluent was collected using a vacuum truck and transported to the PWSP facility.	17W 503472 7974837	>100 m	**Equipment failure issue, Preventive Maintanence Issue. Weather Conditions and Temperature Extremes.** - Soon after the spill, the floats in the unit were tested and any malfunctioning floats replaced. In addition, a work practice was put in place that requires the filtering system to be monitored daily for fouling and restricted flow. The RBC is no longer in operation and has been replaced by a new MBR unit in October 2013. - Although the spilled effluent did not meet the Water License discharge criteria (marginally), the cleanup was successful in collecting most of the spilled effluent making unlikely that residual effluent will pose a risk to the receiving environment during the spring melt.	13-166
22-May-13	approx 1000L	Untreated Sewage	While cleaning up the previous Milne Inlet RBC spill (above), untreated sewage influent was detected migrating under the snow. The main discharge line from the Shanco Camp was cleared of snow and the pipe was observed to be split and leaking. During the clean-up around 10 m^3 of contaminated snow was removed from the area and transported to the PWSP facility.	17W 503472 7974837	>100 m	**Equipment failure issue, Preventive Maintanence Issue. Weather Conditions and Temperature Extremes.** - The spill had resulted from historical wear and tear of the plumbing at the Shanco complex and the inability to inspect the piping due to the deep snow drifts and the potential damage that can result from snow removal at difficult locations. However, since that time, all visible piping and fittings have been inspected. The RBC and Shanco complex are no longer in service and will be demobilzed in 2014. - Although the spilled effluent most likely did not meet the Water License discharge criteria for Milne Inlet, the cleanup was successful in removing most of the contaminated snow caused by the spill. The small volume of residual contaminated snow remaining poses negligible risk to the receiving environment during the spring melt.	13-165
21-Sep-13	205 L	Gasoline	A fork lift operator inadvertently punctured a gasoline drum at its base which resulted in the release of the contents of the drum, i.e. 205 L. An area of approximately 4 m^2 was contaminated within less than a minute. Approximately 7 m^3 of contaminated soil was excavated from the site stored in lined and secure areas. The soil will be deposited in the planned landfarm for treatment. The limits of the excavation were based on the extent of the contamination subject to visual and olfactory observations.	17 W 503315 7976386	50 m to Milne Inlet (high water mark)	**Equipment failure issue, Design Issue, Procedure not Adequate.** - During the investigation the supervisor and operator were interviewed. The basic finding was that the gasoline drums pallet failed to support the load. The middle portion of the pallet collapsed, and it was difficult to observe the forks in relation to drum clearance. As the forks were passing through the pallet, the bottom of one of the drums was pierced. In future, Project Buyers will reiterate the need for pallets that are sturdy enough to support loads. In addition, the equipment operators will be reminded that they need to be vigilant in their identification of potentially suspect pallets. - On September 27, ten samples were taken to assess potential soil contamination. Samples were collected from the walls and floor of the excavation. Results show that the results of soil samples collected were below applicable guideline criteria and that the area was successfully remediated.	13-321
29-Oct-13	500 L	Untreated Sewage	A leak of untreated sewage effluent was detected at the main lift station of the newly constructed accommodations facility at the Milne Port location. The breech was located about 12" from the top of the enclosed tank and was approximately four inches in diameter. Personnel immediately acquired vacuum truck services to empty the tank. The primary lift station and the dorm lift stations were also cleaned out to ensure no further issues occurred throughout the night. Approximately 500 L was discharged to the adjacent land surface, with an approximate impacted area of 10 m^2. Frozen ground conditions limited the depth of soil contamination. The contaminated snow and untreated sewage effluent were transferred to the PWSP facility.	17 W 503933 7975985	>100 m	**Equipment Failure Issue, Defective Equipment.** - The tank was monitored regularly until thoroughly inspected and repaired to ensure no further leakage. - The area is within the camp pad area and well away from any water body. The small volume of residual contaminated material poses negligible risk to the receiving environment during the spring melt.	13-367

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TABLE 6.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

SUMMARY OF UNAUTHORIZED DISCHARGES

Date of Occurrence	Quantity	Product Spilled	Immediate Cause and Follow-up Actions	Approximate Location	Proximity to Water body?	Basic Cause, Corrective Actions Taken, and Follow-up	Spill Line ID No.
30-Oct-13	1000 L	Untreated Sewage	A spill occurred at the Milne Port Sewage Treatment Facility during offloading of a truck transferring waste sewage effluent. During off-loading into the camp's main lift station, the lift station's pump engaged and pumped the contents of the tank over to the Sewage Treatment Plant. The influent screening equipment at the STP overflowed as a result of hydraulic overloading. The line from the lift station to the STP was immediately closed and resources were deployed to clean up the spill. A conservative estimate of 1000 L was discharged to the adjacent ground surface. Due to snow cover conditions, much of the effluent was absorbed by the snow which limited the impact area to 15 m^2 and allowed for easy clean up. The contaminated snow and effluent was transferred to the PWSP facility.	17 W 503798 7975986	>100 m	**Equipment Failure Issue, Design Failure.** - It was determined that the lift station pump moves higher volumes than the respective pumps in the sewage treatment facility. With this in mind, the floats in the lift station have been moved closer together to pump less volume, although on a more frequent cycle. - The area is within the camp pad area and well away from any water body. The small volume of residual contaminated material poses negligible risk to the receiving environment during the spring melt.	13-371
8-Nov-13	700 L	Untreated Sewage	A leak of untreated sewage effluent was detected at the SE lift station of the Shanco Camp at the Milne Port Location. The discharge sewage line had frozen causing the lift station to overflow and spill approx 700 L. All facilities in the Shanco Camp were locked out immediately and the system was depressurized. Sewage in and around the lift station was removed using the vacuum truck onsite. The contaminated snow, ice and remaining untreated sewage effluent were transferred to the PWSP facility.	17 W 503420 7975788	>100 m	**Procedural Issue, No Procedure** - The cause of the frozen sewage line appears to have been caused by the heat trace being inadvertently powered off during a fire alarm in the camp the previous night. Personnel with responsibility for the site electrical system have been advised of the incident and, in future, there will be a procedure or checklist in place to prevent this situation from occurring again.	13-377
MARY RIVER MINE SITE							
6-Mar-13	2000 L	Treated Sewage Effluent	Failed pressure fit coupling. Thermal contraction causing the RBC discharge pipe to pull out of the coupling. The impacted ice and snow was scraped up wherever possible and placed into the PWSP facility.	17W 558248 7914367	>100 m	**Equipment Failure Issue, Design Issue, Temperature Extremes.** - The discharge line repaired. In the interim, the treated effluent was transported from the WWTP to the PWSP via Vacuum Truck. - The small quantity of frozen sewage effluent does not pose an environmental or health and safety risk, as it meets Water Licence effluent criteria and there are no detectable faecal coliforms.	13-080
14-Jul-13	50-75 L	Oily Stormwater	During the routine treatment and discharge of oily storm water in the Mary River Bulk Fuel Storage Facility (MRY-6), contaminated water was pumped down below the level that allowed for efficient treatment. Free phase residual product (fuel), was inadvertently pumped through the treatment system, which overwhelmed the system's capacity to fully treat the water. Initial estimates of free phase oily product released to the environment ranges between 50 and 75 litres. Upon noticing the problem the operator shut the system down and stopped the treatment and discharge system process. Absorbent materials were used to contain the free phase product. A vacuum truck was used to remove the free phase product / contaminated water from the area.	17 W 559341 7914513	>100 m	**Procedural Issue, Error in Procedure** - An effective work practice was developed and implemented that included collecting and removing free product from the secondary containment prior to treatment plant operation. A longer term recommendation is to design a physical oil water separator at the front end of the existing treatment system to minimize the opportunity for free product to foul the treatment system. - The discharge from the treatment system was to a small isolated pool of standing water located immediately adjacent to the fuel farm berm. This area is normally dry, however due to the recent pumping activities and rainfall events; standing water has accumulated in this area. Based on field reconnaissance, and sampling there is no flow or impact from this pool to downstream water bodies.	13-253
6-Aug-13	125 L	Jet A Diesel	A worker had completed loading a tanker truck with Jet A fuel. A secondary valve on the truck was not fully closed and while disconnecting the hose, the fuel splashed and spilled into the lined berm area of the refueling station. The release lasted for several seconds until the operator closed the valve. The hard packed, sand surface allowed the spill of approximately 125L to spread rapidly. Valve was closed and spill pads were used to mop up the product, but there was some saturation into the hard packed sand. The stained soil was left to aerate for several days and cleaned material has been applied to the area. There was no release to the surrounding land or water. The spill pads were disposed in a lined quatrex bag.	17 W 558274 7914421	>100 m	**Procedural Issue, Error in Procedure** **Training Issue, Insufficient Training.** - The worker had been trained verbally on site with regard to the procedure, however, the specific procedure was not current for the particular tanker truck in question. The contractor developed a procedure for all employees/contractors involved in offloading with this type of tanker truck. Training is now better formalized and recorded . - The spill was completely within engineered containment and there was no release ot the receiving environment.	13-276

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TABLE 6.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

SUMMARY OF UNAUTHORIZED DISCHARGES

Date of Occurrence	Quantity	Product Spilled	Immediate Cause and Follow-up Actions	Approximate Location	Proximity to Water body?	Basic Cause, Corrective Actions Taken, and Follow-up	Spill Line ID No.
MILNE INLET TOTE ROAD							
9-Nov-13	1 m^3	Ammonium Nitrate	A tractor trailer unit loaded with two sea-cans of ammonium nitrate (AN) lost traction climbing the hill at Km 10 on the Milne Inlet Tote Road. The operator backed the unit down the hill approximately 100 m and in doing so caused the trailer to slip over the embankment on the right hand side of the road. Both sea-cans of AN broke loose from the trailer. The trailer became disengaged from the tractor and turned over. One of the sea-cans ruptured and spilled approximately 1 m^3 of AN onto the ground. The tractor remained upright on the shoulder of the road and did not have any damage other than damage to the fifth wheel. There were no fluids leaks from the tractor. The Tote road was closed to all traffic and the incident scene was secured. During the day following the incident, the tractor and trailer were recovered, the spilt AN was transferred into a Quatrex bag in secondary containment and the sea-cans were relocated to the side of the road. Subsequently the seacans were transported back to camp and AN transfered to secure storage for future use.	17 W 508149 7969711	>30 m	**Procedural Issue, Insufficent Procedure.** **Training Issue, Insufficient Training.** - The incident was caused by transporting a load too heavy for the road conditions. To prevent similar incidents from occurring, tractor trailers should be loaded with the appropriate weight for the current road conditions at the time of transport. Tote Road procedures were subsequently enhanced to address this issue. - During the spring when the ice and snow are melted, the area will be reexamined for residual AN materials.	13-378

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TABLE 10.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANUAL REPORT

MEETINGS WITH PUBLIC, GOVERNMENT AND INUIT ORGANIZATIONS

Date	Group	Location	Description
January 8, 2013	Environment Canada, DFO, Canadian Transport Agency, NIRB, Nunavut Water Board, CANNOR	Teleconference	Early Revenue Phase (ERP) communication
January 9, 2013	AANDC - Land Administration	Teleconference	Early Revenue Phase (ERP) communication
January 9, 2013	Public	Pond Inlet	Baffinland Executive High Arctic Community Tour and Early Revenue Phase (ERP) presentation
January 10, 2013	Public	Igloolik	Baffinland Execuitive High Arctic Community Tour and Early Revenue Phase (ERP) presentation
January 11, 2013	Public	Hall Beach	Baffinland Executive High Arctic Community Tour and Early Revenue Phase (ERP) presentation
January 16-17, 2013	Public	Pond Inlet	Technical Meetings, Pre-Hearing Conference and community meeting regarding the Type A Water Licence with NWB. Company update on ERP
January 24, 2013	Environment Canada	Teleconference	Discussion regarding Aquatic Effects Monitoring Program framework
February 12, 2013	EC, QIA, DFO, AANDC	Teleconference	Development of Aquatic Effects Monitoring Program framework
February 20-21, 2013	Public	Pond Inlet	Project update on status of approvals and next steps for ERP permitting
February 20, 2013	Hamlet of Pond Inlet	Pond Inlet	General updates to the Project including the next steps for ERP permitting
February 20, 2013	Arctic College	Pond Inlet	Discussion on future Baffinland program needs which can be delivered at the Pond Inlet Campus
February 20, 2013	MLA for Pond Inlet	Pond Inlet	Expressed support for the Project and indicted communit is supportive of the ERP. Community needs to understand the scope of shipping requirements.
February 20, 2013	Local Business Community	Pond Inlet	Local business interested in getting involved in the Projec through one of his joint venture companies
February 21, 2013	GN - Health Services Department	Teleconference	Notes distributed to attendees with action items
February 25, 2013	NRCan, QIA, EC, NWB, AANDC	Ottawa	Provide an update on Waste Rock Characterization program and geochemistry - potential closure issues
February 27, 2013	CANNOR, AANDC, EC, NRCAN, TC, DFO	Teleconference	Provide an update on the status of 2013 Work Program, ERP and Amendment to Class B Water Licence
March 4-5, 2013	EC, QIA, CANNOR, GN	Iqaluit	Terrestrial Environment Working Group - Meeting #1
March 6-7, 2013	DFO, QIA, EC, GN, CANNOR, Makivik	Iqaluit	Marine Environment Working Group - Meeting #1
March 13, 2013	NWB, AANDC, NRCan, DFO	Mississauga	Review of 2013 closure cost estimate prior to comments due on Class A Water Licence
March 18-19, 2013	Public	Clyde River	Community consultation and open house (planned but cancelled due to weather)
March 20-21, 2013	Mary River Working Group	Pond Inlet	Project update including discussion of ERP
March 20-21, 2013	Public	Pond Inlet	Community consulation and open house
March 21, 2013	QIA	Mississauga	Review of 2013 closure cost estimate prior to comments due on Class A Water Licence
April 4, 2013	Public, Municipality of Igloolik, Mary River Working Group	Igloolik	Project update including discussion of ERP
April 5-6, 2013	Public	Arctiv Bay	Project update including discussion of ERP
April 5-6, 2013	Hamlet of Arctic Bay	Arctiv Bay	Project update including discussion of ERP
April 5-6, 2013	Mary River Working Group	Arctiv Bay	Project update including discussion of ERP
April 10, 2013	GN, Gov of Canada, QIA	Iqaluit	Mary River Socio Economic Working Group Meeting
April 23-25, 2013	Nunavut Water Board	Pond Inlet	NWB Hearings. Community Update on ERP
April 23-25, 2013	Public	Pond Inlet	Type A Water Licence Application Final Hearings, including and update on the ERP
May 13, 2013	Public	Igloolik	Consultation on ERP and fisheries authorization application (cancelled due to community incident)
May 21-22, 2013	EC, QIA, GN, CANNOR	Iqaluit	Terrestrial Environment Working Group - Meeting #2
May 23, 2013	EC, QIA, GN, DFO, Makivik	Iqaluit	Marine Environment Working Group - Meeting #2
May 22-23, 2013	TC, PC, Canadian Marine Advisory Council (CMAC)	Ottawa	Baffinland Addendum to FIES and ERP Update
May 23, 2013	Transport Canada	Ottawa	Marine Facility Operator Requirements for Marine Facility Operators
May 24, 2013	CANNOR and Federal Family	Ottawa	2013 Workplan Status Update, ERP Update, Water Licencing Update
Aug 20-22, 2013	NIRB	Mary River site	NIRB tour of Mary River/Milne
September 23-24, 2013	Public	Clyde River	Community consultation and open house
September 23-24, 2013	Public	Pond Inlet	Community Consultion and open house
October 11, 2013	Arctic College	Arctiv Bay	Attended College graduation
October 22, 2013	EC, QIA, GN, Cannor	Iqaluit	Terrestrial Environment Working Group - Meeting #3, including relevant ERP topics
October 23, 2013	EC, QIA, GN, DFO	Iqaluit	Marine Environment Working Group - Meeting #3, including relevant ERP topics
November 21, 2013	EC, NWB, AANDC, DFO, QIA	Teleconference	Development of Aquatic Effects Monitoring Program framework
Nov 26-28, 13	Federal Agencies/ NIRB	Iqaluit	Technical meetings / NIRB / Gov't Agencies
December 4, 2013	GN, Gov of Canada, QIA	Cape Dorset	Mary River Socio Economic Working Group Meeting
December 16-18, 2013	Public	Pond Inlet	Community consultation and open house
December 16-18, 2013	Mitimatillik Hunters and Trappers Organization	Pond Inlet	Update on activity at site as well as updates on environmental effects and monitroing

TABLE 10.2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2013 QIA AND NWB ANNUAL REPORT

STAKEHOLDER SITE VISITS TO MARY RIVER

Date	Organization or Group
May 4 and 5, 2013	AANDC - Water Resources Officers
May 6 and 7, 2013	WSCC Mines Inspector
July 16 to 18, 2013	WSCC Mines Inspector
August 13 to 18, 2013	QIA - Auditors
August 15 to 17, 2013	AANDC - Water Resources Officers
August 15 to 17, 2013	GN - Environmental Health Inspector
August 20 to 22, 2013	NIRB Inspection
September 20 to 22, 2013	QIA Environmental Inspectors
October 22 to 24, 2013	WSCC Mines Inspector
November 12 to 14, 2013	AANDC - Water Resources Officers