



Aboriginal Affairs and
Northern Development Canada

Affaires autochtones et
Développement du Nord Canada

P.O. Box 1500
4923 52nd Street
Yellowknife, NT
X1A 2R3

January 2, 2015

Aboriginal Affairs and Northern Development Canada – CARD
P.O. Box 1500
4923 52nd Street
Yellowknife, NT
X1A 2R3

Attention: Mr. Adrian Paradis, Giant Mine Remediation Project

RE: Water Licence MV2012L8-0010 – Roaster Complex – Giant Mine – Inspection

Dear Mr. Paradis,

An inspection of the Roaster Decontamination and Deconstruction project was completed by Resource Management Officer Tim Morton and Water Resource Officer Nahum Lee on November 27th 2014. The inspection was conducted to ensure compliance with the terms and conditions of the water licence and approved management plans. The Inspectors were accompanied by Mr. Ken Hall (Detoncho/Nuna), Mr. Mike Borden (Detoncho/Nuna), Ms. Cathy Corrigan (AECOM), and Ms. Tara Kramers (AANDC – CARD).

Both inspectors were pleased with the results of the operation as no concerns were noted during inspection. The environmental inspection report is attached along with pictures of the site that were taken during the inspection. If you have any questions or concerns please contact me at (867) 669-2442.

Thank you,

Tim Morton
Resource Management Officer (Inspector)
Land and Resource Management Division
Aboriginal Affairs and Northern Development Canada

cc. MVLWB
AANDC/CARD – via email
Mike Borden – via email
Tyree Mullaney – via email
Tara Kramers – via email
Carolina Mora – via email



WATER LICENCE ENVIRONMENTAL INSPECTION REPORT

Licensee:	AANDC - CARD	Inspection Date – 27 November 2014
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Water Licence No.	MV2012L8-0010	Last Previous Inspection:	01 August 2014
Quantity of water not to be exceeded:	300 Cubic Meters / Day	Licence Expiry Date:	27 March 2016
Contractor:	PWGSC	Subcontractor:	Parsons

Location(s) Inspected:	Roaster Complex Deconstruction / Waste Management Area
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Current Stage of Operation:	Roaster Complex Deconstruction has been completed for 2014
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Program Modifications Approved:	N/A
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Compliance with Items: "A" - Acceptable "U" - Unacceptable "N/A" - Not Applicable

Part	Licence Items	Compliance with Items	Item # and Comments
A	Scope	A	
B	General Conditions	A	#1 – Semi annual report received on 14 February 2014 #2 - Compliant #3 – N/A #4 – Compliant #5 – Compliant #6 – Compliant #7 – Nov 1 st 2013 to April 30 th 2014 Semi Annual SSP Report submitted on July 31 st 2014
C	Conditions Applying to Water Use	A	#1 – Compliant #2- Compliant #3 - Compliant
D	Conditions Applying to Waste Disposal	A	#1 – Compliant #2 – Compliant #3 – Compliant #4 – Compliant #5 – N/A

			<p>#6 – Compliant</p> <p>#7 – Compliant (No water was being pumped during the onsite inspection)</p> <p>#8 – Compliant. The waste from the deconstruction of the roaster remains onsite in an temporary waste storage area.</p>
E	Conditions Applying to Modifications	N/A	
F	Conditions Applying to Contingency Planning	A	<p>#1 – Compliant. Spill NT/NU 2014 – 408 was immediately reported within the conditions of Part F.</p> <p>#2 – Compliant</p> <p>#3 – Compliant. No modifications to the plan have been made.</p>
G	Conditions Applying to Abandonment and Restoration	N/A	
H	Conditions Applying to Construction	A	<p>#1 – Compliant</p> <p>#2 - Compliant</p> <p>#3 – Compliant</p> <p>#4 – Compliant</p> <p>#5 – Compliant</p> <p>#6 – Compliant</p> <p>#7 – Compliant</p> <p>#8 - Compliant</p>
I	Conditions Applying to Operation and Maintenance	N/A	



ENVIRONMENTAL INSPECTION REPORT Pg. 2 (Continued)

Date: 27 November 2014	Licence #: MV2012L8-0010
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Explanatory Remarks	
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An inspection of the roaster deconstruction project was completed by Resource Management Officer Tim Morton and Water Resource Officer Nahum Lee. Accompanying the inspectors were Mr. Ken Hall (Detoncho/Nuna), Mr. Mike Borden (Detoncho/Nuna), Ms. Cathy Corrigan (AECOM), and Ms. Tara Kramers (AANDC – CARD). This inspection was conducted to ensure compliance with the applicable terms and conditions of the water licence and management plans.

At the time of the inspection the roaster deconstruction project had been completed for the 2014 season. There were no concerns noted during the course of the inspection by either officer. The majority of the work has been completed with only the final crushing of foundations, infill sumps, and a final scraping of the site (Photo 1). All of the associated waste has been removed from the roaster site and placed in an approved location (Photos 2 & 3).

During the inspection it was noted that there were approximately 600 mega bags of hazardous waste located in the waste storage area. These mega bags have been placed under a tarp and secured within the waste storage area. There has been a delay in receiving the final sea cans needed to store all of the remaining mega bags that are currently placed under the tarp in the waste storage area. The sea cans are expected to arrive in January 2015 with the remaining mega bags being placed in the sea cans in the summer of 2015.

NT/NU Spill Report 14-408

While onsite the officers followed up with the spill that occurred on Nov 12th 2014 of waste water from the pipeline that runs from the Northwest Pond. The pipeline was being used to pump water down from the Northwest Pond to access tailings for the paste backfill project. During the pumping, it was identified that there was a major blockage of ice in the line. A steam truck was called to steam the line which required that several holes be drilled into the line to allow for a complete removal of the blockage. These holes were not plugged and some of the waste water had spilled onto the ground near the Settling Pond. Samples from the discharge were taken which indicated Arsenic concentration of 0.825 mg/L and 0.701 mg/L. All of the water that was released either flowed into the settling pond (Photo 4).

Part F, Item 1(c) requires a detailed report on the occurrence that includes a summary of any clean up that has occurred and preventative measures to avoid similar discharges from happening.

Completed off Site
Representative's Signature

Tim Morton
Inspector


Inspector's Signature

Photo 1 – Overview of the Roaster site after the demobilization of the contractor for the 2014 season



Photo 2 – Non-hazardous scrap metal pile storage area



Photo 3 – Overview of the waste storage area. The remaining mega bags that are not in sea cans are located to the left side of the photo under the large black tarp.



Photo 4 – Location of Spill NT/NU 2014 – 408. Note that the pipeline had been cut to drain the water and remove the blockage. Also, note the proximity of the Settling Pond in the back of the photo to the location of the spill and the topography between the two.



