



WATER USE INSPECTION REPORT

Date: July 11, 2011	Licensee Rep. (Name/Title): Jill Turk
Licensee: Newmont/Hope Bay Mining Inc.	Licence No.: 2BB-BOS0712

WATER SUPPLY

<b>Source(s):</b> Aimaoktatuk (Spyder) Lake		<b>Quantity used:</b>	
<b>Owner:/Operator:</b> Same as above			
Indicate: <b>A</b> - Acceptable <b>U</b> - Unacceptable <b>NA</b> - Not Applicable <b>NI</b> - Not Inspected			
<b>Intake Facilities:</b> A	<b>Storage Structure:</b> A	<b>Treatment Systems:</b> A	<b>Chemical Storage:</b> NI
<b>Flow Meas. Device:</b> A	<b>Conveyance Lines:</b> NI	<b>Pumping Stations:</b> NI	<b>Screen :</b> NI

**Comments:** The water supply and treatment shack is well maintained and clean. Volumes of water are recorded using a flow meter. Good records are kept of water usage and were available upon the request of the inspector. A new meter had been installed 6-8 weeks prior to the inspection and it showed a reading of 331 m<sup>3</sup>. Approximately 10 m<sup>3</sup> of water is used per day for camp activities.

Water is also metered and recorded daily for the drill rigs, which is submitted to the camp manager at the end of each day.

WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): RBC Unit

Natural Water Body:	Continuous Discharge (land or water):	
Seasonal Discharge:	Wetlands Treatment:	Trench:
Indicate: <b>A</b> - Acceptable <b>U</b> - Unacceptable <b>NA</b> - Not Applicable <b>NI</b> - Not Inspected		
Discharge Quality:	Decant Structure: A	Erosion: NI
Discharge Meas. Device: A	Dyke Inspection: NA	Seepages: NI
Dams, Dykes: A	Freeboard: NA	Spills:
Construction: NA	O&M Plan:	A&R Plan:
Discharge:	Effluent Discharge Rate: ~ 600 Litres/Day	

**Comments:** There are approximately 57 people onsite during the inspection. An RBC unit is used to treat sewage and grey water and is designed to manage a camp of 65 people. Sludge is RBC unit and redirected to the digester for further treatment. When there is enough sludge produced, it will be shipped to the Doris camp for disposal.

Volumes of effluent discharge are recorded and were available upon the request of the inspector. A sample was taken at station BOS-4 as per licence requirements.

The portal at Boston is filled with water that has accumulated over the years from precipitation and snow melt. Newmont/Hope Bay will apply to the NWB and AANDC for approval to discharge this water.

The land farm at Boston is at capacity with contaminated soil (from Boston and Windy Camp) and sludge (~22 drums) produced from the Boston Camp. A plan to deal with the materials in the land farm is required and no more materials should be placed in there.

Solid Waste:

Owner/Operator:

Landfill: NA	Burn & Landfill: NA	Other: Incineration
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**Comments:** There is little garbage produced at the camp and area around the incinerator is kept tidy. Wood materials, paper products and food wastes are burned in the incinerator. The incinerator appeared to be working properly at the time of the inspection.

FUEL STORAGE:

Waste Oil Storage:

Owner/Operator:

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

Berms & Liners: A	Water within Berms:	Evidence of Leaks:
Drainage Pipes:	Pump Station & Catchments Berm:	
Pipeline Condition:	Condition of Tanks: A	

**Comments:** The fuel tanks look to be in good condition and there were a couple of minor fuel leaks noticed during the inspection. There are approximately 300,000 Litres of fuel onsite contained in six (77000 L) tanks which are 85% full and two (33000 L) tanks. There are two (55000 L) tanks onsite which are empty at the moment, but will be filled during the fuel re-supply.

Approximately 70 drums of waste oil are stored in the insta-berm. It is still unclear if the waste oil will be shipped to Doris site or South for recycling.

Water has accumulated in the bermed area containing two green tanks. This water should be removed from the area and properly disposed off.

MSDS sheets for the maintenance shack should be visible and near the entrance in case of an emergency.

**Drill Sites**

There are quite a few drill sites in the area are in poor conditions. Remediation of these drill sites is required.

- Drill casing must be cut off at ground level and capped.
- Coconut matting and wood blocks must be removed after drilling has ended.
- There are numerous signs that drill water and sedimentation was allowed to flow freely without any containment. This was noticed at a number of locations.
- Hydrocarbon contamination was noticed at most drill sites and should be cleaned up and disposed of appropriately.

**SURVEILLANCE NETWORK PROGRAM (SNP)**

Samples Collected		Owner /Operator:	
		INAC:.BOS-1, BOS-2, BOS-4, BOS-5	
Signs Posted	SNP: YES		Warning:
Records & Reporting:			
Geotechnical Inspection:			

**Non-Compliance of Act or Licence:**

- Drill sites are in poor condition and must be remediated as soon as possible.
- A general clean up of the camp and surrounding area is needed.
- Hydrocarbon contaminated soil should be cleaned up and disposed of appropriately.
- A plan to deal with the land farm is required.

Ian Rumbolt

Inspector’s Name

Sent by E-mail

Inspector’s Signature