



WATER USE INSPECTION REPORT

Date: Mar 16 <sup>th</sup> , 2011	Licensee Rep. (Name/Title): Jill Turk/Angela Holzapfel
Licensee: Newmont/Hope Bay Mining Inc.	Licence No.: 2AM-DOH0712

WATER SUPPLY

Source(s): Doris Lake	Quantity used: 357147 Gal
Owner:/Operator: Same as above	

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

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

**Comments:** The water supply pump house and storage container 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. However, MSDS should be visible and in an easy to access location.

Average raw water use for the camp per day is 30 m<sup>3</sup>

WASTE DISPOSAL

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

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

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

Discharge Quality: NI	Decant Structure:	Erosion:
Discharge Meas. Device: A	Dyke Inspection:	Seepages:
Dams, Dykes:	Freeboard:	Spills:
Construction:	O&M Plan:	A&R Plan:
Discharge:	Effluent Discharge Rate: 9173 m3	

**Comments:** Volumes of effluent discharge are recorded and were available upon the request of the inspector. To date the recorded sewage effluent was 9173 m3. The system seem to be working fine during the inspection, however no MSDS could be located for the chemicals stored in the plant. An updated MSDS binder should be placed in the plant and should be easily located if needed.

Solid Waste:

**Owner/Operator:**

Landfill:	Burn & Landfill:	Other:
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**Comments:** There is no landfill used on-site. An application has been submitted to the KitIA, but no approvals as of yet. Clean wood and cardboard are burned in a steel burn shed. Metals and wires were found burned and placed outside of the burn shed, this is not permitted. The company is aware of the issue and will monitor the situation so it doesn't happen again.

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:** There are 5 new tanks in the fuel storage and containment area (approved amendment no. 2). Only 2 have been filled with fuel so far, the others will be filled when the fuel is off loaded from the tanker Primula which has been frozen in the bay. Fuel will be transferred from the tanker by truck and this is planned for the upcoming weeks.

There are fuel storage areas for various companies working onsite. It was noticed that a couple of the bermed areas were filled with snow and one also had a gas can (open cap/funnel) placed there. It is recommended that the bermed areas be shovelled out to avoid dealing with possible contaminated water when the snow melts. Gas cans should be capped properly and not stored in the bermed area designated for diesel storage.

Waste oil from the site is stored in the waste management storage facility where it is separated from other hazardous wastes. The waste oil is used in the waste oil burner to heat the waste management building.

Other materials (glycols, acids etc) are stored or packaged and shipped out. The facility seems to be well organized and disposing off waste appropriately. Waste manifest should be available for next inspection.

**Contractors:**

Swick - fuel tank located outside of their building and within a secondary containment berm/liner, however the liner is not properly constructed and the sides of the liner are sticking out. There is a low end in the liner next to the pipes that should be dealt with also, so fuel is contained in the event of a spill.

McCaw North – waste oil should be properly stored or removed from the shack. This waste oil must be disposed off properly. MSDS are required for the shack and should be available if needed.

Geotech – Waste oil scattered throughout the warehouse. This should be properly stored or removed for proper disposal. MSDS are required for the warehouse.

**SURVEILLANCE NETWORK PROGRAM (SNP)**

Samples Collected		Owner /Operator:	
NIL		INAC:	
Signs Posted	SNP: YES		Warning:
Records & Reporting:			
Geotechnical Inspection:			

**Comments:** No water samples were taken during this inspection. Sampling will be conducted during the summer inspection.

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

It seems that the company is making an effort to keep the camp site clean and well maintained. A few minor issues with waste oil storage need to be addressed as well as general clean up of wood materials around the site. Burning of metals, wires, plastics etc are not permitted in the burn shed. These materials should be separated and removed before burning.

Ian Rumbolt

Inspector’s Name

Sent by E-mail

Inspector’s Signature