



WATER USE INSPECTION REPORT

Date: July 8 and 9, 2013	Licensee Rep. (Name/Title): Katsky Venter and Lea-Marie Bowes-Lyon
Licensee: TMAC Resources	Licence No.: 2AM-DOH0713 Crown Lease No.: 77A/3-1-2

WATER SUPPLY

Operator: Nuna Logistics

Source(s): Doris Lake / Windy Lake	Quantity used: 132 m ³ pumped from Windy for use at Doris Camp in June
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Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

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

Comments: Water is currently pumped from Windy Lake and trucked to Doris North for camp use.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Membrane Biological Reactor WWTP

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

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

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

Comments: WWTP is active and discharging to the tundra (authorized in the licence and by Inspector) as the current volume is insufficient to pump to Tail Lake. Water from the Sedimentation Pond is pumped into Tail Lake. Discharge from Tail Lake at TL-4 is ongoing.

Solid Waste:

Operator: KBL

Landfill: -	Burn: Open burn (A) Incinerator (A)	Other: Backhaul (A) Recycling (A)
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Comments: Solid waste management at Hope Bay is excellent. Waste segregation practices begin in the camp, where recyclables, aerosols, and other non-burnables are removed from the waste destined for the incinerator. Clear bags are used for further security. Waste is sorted again into clearly marked bags at the waste management facility at Robert’s Bay. The incinerator was operating at the time of the inspection and appeared to be burning cleanly (smokeless). Incinerator records were up to date. The burn pan was free of non-burnable materials. Waste for backhaul is being loaded into sea-cans for sealift. No manifests have yet been prepared for the 2013 season.

FUEL STORAGE:

Waste Oil Storage: A

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

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

Comments: All fuel and hazardous waste are found within secondary containment. Fuel for operations is currently being taken from the middle tank at Robert’s Bay. Pump stations are inactive. Barreled fuel is kept in sea-cans, and brought to heli-pad as needed. Lined berms have been constructed for fuel storage at the heli-pad as well as for refuelling the tidy-tanks for helicopter slinging.

Storage for Geotech Drilling at the lay-down area is well organized. The shop is lined. Drill additives and lubes stored in sea-cans. Liners are to be installed in sea-cans that are storing non-biodegradable oils and any hazardous materials.



GENERAL CONDITIONS

Ore & Waste Rock Stockpiles: A	Mine Water Discharge: A	Geotechnical Inspection: A
Erosion: A	Seepages: A	Records & Reporting: A
Restoration Activities: A	Chemical Storage: A	Spills: A
A&R Plan: A	Contingency Plan: A	

Comments: Some work is needed at Robert’s Bay Jetty (Crown Lease). Erosion is noted off the toe of the jetty. Geotextile is seen floating in the water, and some waste noted along the shore.

The fuel tank for the pump at the Frozen Core dam should be located >30m from the high water mark of the adjacent water body as per Part I item 5 of the licence.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected:		Owner /Operator: -	
		AANDC:.Doris Lake and TL-4	
Signs Posted	SNP: A		Warning: NI
Records & Reporting: A			

General Comments: Overall, Doris North looks great. Waste and water tracking are explicit and thorough. A lot of work was done to close down the site in 2012, and the result is a very clean and orderly site. Maintaining good waste, fuel, and site management protocols as the project grows will be to TMAC’s benefit.

Non-Compliance of Act or Licence: -

Part I item 5. All sumps and fuel caches located >30m from high water mark of any adjacent water body.

Action Required:

- Maintenance to Roberts Bay Jetty prior to sealift, and cleanup of debris seen in the water and on shore.
- Fuel tank at the Frozen Core Dam to be moved >30m from the water.

LÉA-MARIE ROWES-LYON
Licensee Representative’s Name


Licensee Representative’s Signature

July 10, 2013
Date


Inspector’s Name


Inspector’s Signature

July 10, 2013
Date