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Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Re: March 2013 – Monthly Monitoring Report for Water Licence 2AM-DOH0713

This report is comprised of monitoring requirements as set out in Schedule J of water license 2AM-DOH0713 and additional requirements from AANDC. License items include:

- Part D (Conditions Applying to Construction) Items 7 and 19;
- Part E (Conditions applying to Water Use) Item 1;
- Part G (Conditions Applying to Waste Management and Waste Management Plans) Items 3(e) and 3 (b), Item 21 (a) and 22 (e);
- Part J (Conditions Applying to General and Aquatic Effects Monitoring) Items 12 and 14.

Other monitoring requirements stipulated in the license refer to facilities that have not been constructed. Doris Camp was closed on October 12, 2012 for the winter, and was reopened on March 25th, 2013 to open the airstrips and bring drills and supplies in to site and prepare for compliance and drilling activities for the year.

A winter site inspection was conducted by the winter check crew prior to opening, and the results are summarized below. The full inspection is also attached to this report to comply with AANDC's request to see them.

Part D: Conditions Applying to Construction

Item 7. Construction Monitoring

Construction activities did not take place in this month.

Item 19. Surface Runoff Effluent Quality Limits

There was no runoff from construction areas, therefore, turbidity and total suspended solids samples were not collected.

Part E: Conditions Applying to Water Use

Item 1: Water Usage

There was no water usage from Doris Lake this month. However, water quality samples were collected and results are presented in Table 1. Water for camp use was instead withdrawn from Windy Lake. These quantities, along with Windy Lake water quality, are presented in the Windy monthly monitoring report for licence 2BE-HOP1222.

Table 1: Water Usage for Doris North (m³), March 2012

Parameters	Water Use
Water Source	Doris Lake
Geographical Coordinates	68°8'17.04" N, 106°36'52.68"W
Monthly Cumulative	0 m ³
Annual Cumulative	0 m ³
2AM-DOH0713 Permitted Water Volume (Total Annual)	480,000m ³

Schedule J: Water Quality Monitoring at Water Intake

Monthly compliance samples, in accordance with Schedule J requirements of the licence, were taken from monitoring station ST-7 (Table 2).

Table 2: Monthly Compliance Sample Results for SNP Monitoring Station ST-7, March 2013

Parameter	Units	ST7-20MAR13	ST7-28MAR13
ALS ID		L1281174-1	L1283677-1
Sample Date/Time		3/20/2013 10:00:00 AM	3/28/2013 9:00:00 AM
Conductivity (EC)	uS/cm	359	344
Hardness (as CaCO ₃)	mg/L	63.6	62.1
pH	pH	7.57	7.45
Total Suspended Solids	mg/L	<6.0	4
Ammonia, Total (as N)	mg/L	<0.050	<0.050
Nitrate (as N)	mg/L	<0.050	<0.050
Nitrite (as N)	mg/L	<0.050	<0.050
Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010
Phosphorus (P)-Total	mg/L	0.0093	0.031
Cyanide, Total	mg/L	<0.0050	<0.0050
Cyanide, Free	mg/L	<0.0050	<0.0050
Aluminum (Al)-Total	mg/L	<0.015	0.03
Antimony (Sb)-Total	mg/L	<0.00050	<0.00050
Arsenic (As)-Total	mg/L	<0.00050	<0.00050
Barium (Ba)-Total	mg/L	0.003	0.0037
Beryllium (Be)-Total	mg/L	<0.0025	<0.0025
Boron (B)-Total	mg/L	<0.050	<0.050
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	11.8	11.5
Chromium (Cr)-Total	mg/L	<0.0010	0.0013
Cobalt (Co)-Total	mg/L	<0.0020	<0.0020
Copper (Cu)-Total	mg/L	0.0024	0.0059
Iron (Fe)-Total	mg/L	<0.050	0.07
Lead (Pb)-Total	mg/L	<0.00025	<0.00025
Lithium (Li)-Total	mg/L	<0.025	<0.025
Magnesium (Mg)-Total	mg/L	8.48	8.11
Manganese (Mn)-Total	mg/L	0.0055	0.006
Mercury (Hg)-Total	mg/L	<0.000020	-
Molybdenum (Mo)-Total	mg/L	<0.0050	<0.0050
Nickel (Ni)-Total	mg/L	<0.0020	<0.0020
Potassium (K)-Total	mg/L	3.18	2.9
Selenium (Se)-Total	mg/L	<0.00050	<0.00050
Silver (Ag)-Total	mg/L	<0.000050	<0.000050

Parameter	Units	ST7-20MAR13	ST7-28MAR13
ALS ID		L1281174-1	L1283677-1
Sample Date/Time		3/20/2013 10:00:00 AM	3/28/2013 9:00:00 AM
Sodium (Na)-Total	mg/L	43.5	40
Thallium (Tl)-Total	mg/L	<0.00025	<0.00025
Tin (Sn)-Total	mg/L	<0.050	<0.050
Titanium (Ti)-Total	mg/L	<0.0015	<0.0015
Uranium (U)-Total	mg/L	<0.00010	<0.00010
Vanadium (V)-Total	mg/L	0.002	<0.0010
Zinc (Zn)-Total	mg/L	0.015	<0.015
Calcium (Ca)-Dissolved	mg/L	11.7	-
Magnesium (Mg)-Dissolved	mg/L	8.32	-
Oil and Grease	mg/L	<1.0	<1.0
Oil And Grease (Visible Sheen)		NO VISIBLE SHEEN	-
BOD	Mg/L	<2*	<2
Fecal Coliforms	CFU/100mL	<1*	<1

*presence of ice in sample.

Part G: Conditions Applying to Waste Management and Waste Management Plans.

Item 1: Condition to Provide Notice of a Planned Discharge

A notification of initiation of discharge was submitted to AANDC and the NWB on March 20, 2013. However, camp loading has remained low and no discharge took place this month from any facilities.

Item 3(b): Conditions applying to sewage effluent quality

The sewage treatment plant started to receive wastewater in late March, but wastewater volumes were minimal and there was no effluent to test this month.

Item 3(e): Treated Sewage Effluent Release in cubic meters

The sewage treatment plant has not yet begun to produce effluent, and no effluent was released this month.

Item 21 (a) and Items 22 (c), (e): Sedimentation pond, land farm, and fuel containment sumps

Water was not discharged from any containment facilities this month.

Item 26, 27, 28 and Part J Item 8: Water Discharged from Tailing Impoundment Area

Water samples were not collected from TL-1, TL-2, TL-3, TL-4, and TL-10 as there was no discharge from the TIA this month.

Item 30: Tailings Impoundment Area Discharge Volume

No discharge occurred this month.

Schedule J: Tailings Impoundment Area Water Quality (TL-10)

Samples were not collected at station TL-10 during this month; discharge from the TIA ceased September 13, 2012 and has not yet resumed.

Part J: Conditions Applying to General and Aquatics Effects Monitoring

Item 12d Tonnages of Waste Rock Stored on the Temporary Waste Rock Pad

Underground mining is no longer occurring. Waste rock has not been removed from the pile. The total volume of rock on the temporary waste rock pad is 182 716 tonnes, as per the December 2011 survey.

Item 12g Tail Lake Ice Thickness

Tail Lake ice thickness was not measured this month.

Environmental Incident Reporting

There were no environmental incidents in this reporting period.

Winter Site Inspection

The Doris Site and was inspected on March 19, 2013 just prior to the opening of the camp.

There were 2 concerns noted on this inspection trip:

- 1) There evidence of entry of the Orbit Shop at Roberts Bay; the plywood was taken off the doorway and the door latch was pried off and a footprint was observed inside at the doorway. Equipment inside the facility was not tampered with. The doorway was re-boarded by the winter check crew.
- 2) There were 2 full drums of gas left outside the c-can located inside the 5 Million Liter Tank Berm at Roberts Bay. At least 1 full drum of gas had been taken.





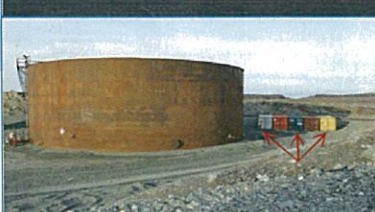


There were snowmobile trails from the previous site inspections. Water samples from Doris Lake and Windy Lake were taken on the morning of March 20, 2013 and brought to Cambridge Bay and shipped out on the First Air evening flight. The full inspection report, with accompanying photos, is attached.

Should there be any questions regarding this monthly report, please contact Katsky Venter, ESR Site Manager for TMAC Resources Inc. at (604) 358-7325 or Katsky.Venter@Newmont.com.

Yours sincerely,

Katsky Venter

Environmental and Social Responsibility Site Manager

		2012-2013 Hope Bay - Doris Care & Maintenance Inspection			
Inspected By: (Please Print)	1 <u>KEY EVALK</u> 3		Date(s) of Inspection (dd/mm/yy):	<u>19/03/13</u>	
2	4				
Area 1: KBL Waste Management - Office					
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No			
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No			
Area 2: KBL Waste Management - Incinerator					
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No			
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No			
Area 3: Kingland Ford Tent					
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No			
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No			
Area 4: 5 Million Litre Tank / Containers (Robert's Bay)					
1) Signs of damage to tank walls / valves	Yes	<input checked="" type="radio"/> No			
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No			
3) Containers are not leaking and are locked & secure	<input checked="" type="radio"/> Yes	No			
Area 5: Orbit Shop (Robert's Bay)					
1) Signs of entry (forced or wildlife)	<input checked="" type="radio"/> Yes	No			
2) Signs of damage to exterior	<input checked="" type="radio"/> Yes	No			
Area 6: Robert's Bay Tank Farm					
1) Signs of damage to tank walls / valves	Yes	<input checked="" type="radio"/> No			
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No			
3) Tank Readings: Tank #4: <u>02166</u> Tank #3: <u>05241</u> Tank #2: <u>01135</u>					
Area 7: Airstrip Tower and Fuel/Lube Containers					
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No			
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No			
3) Signs of leaks or spills (containers)	Yes	<input checked="" type="radio"/> No			

Area 8: Washbay Emergency Shelter with Tank			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	
Area 9: Explosives Washbay			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 10: West Arc Shop			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 11: Geotech Shop			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 12: Batch Plant and Seacan Storage Area			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
3) Seacan doors open (to North of Batch Plant)	Yes	<input checked="" type="radio"/> No	
Area 13: 7.5 Million Litre Tank Farm - Doris Camp			
1) Signs of damage to tank walls	Yes	<input checked="" type="radio"/> No	
2) Signs of leaks or spills (tanks are identified with numbers)	Yes	<input checked="" type="radio"/> No	
3) Tank Readings: Tank #1: <u>00617</u> Tank #2: <u>04009</u> Tank #3: <u>00804</u> Tank #4: <u>04105</u> Tank #5: <u>00786</u>			
Area 14: Doris Fuel Module			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	
Area 15: Doris Camp Main Power House & Day Tanks			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	
Area 16: Portal Entrance and White Weatherhaven south of Portal			
1) Signs of entry - Portal & Weatherhaven (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Locks still intact on screen	<u>FOX TRACKS @ PORTAL</u> Yes	<input checked="" type="radio"/> No	

Area 17: Vent Raise / Modules and Fuel Tank			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
3) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	
Area 18: Camp Admin Area and Mine Dry			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 19: Geology Admin Area			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 20: ERT Building			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 21: Newmont Warehouse (1) / Core Shack (2)			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 22: Construction Powerhouse - Doris Camp			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
3) Signs of leaks or spills (fuel tank NE of Powerhouse)	Yes	<input checked="" type="radio"/> No	
Area 23: Main Camp (Wings, recreation area, kitchen, offices, security & cabins)			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of damage to exterior	Yes	<input checked="" type="radio"/> No	
Area 24: Heli Pad Emergency Shelter and Tanks			
1) Signs of entry (forced or wildlife)	<input checked="" type="radio"/> Yes	No	
2) Signs of damage to exterior	<input checked="" type="radio"/> Yes	No	
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	
Area 25: Emergency Power House and Pumphouse - Doris Lake			
1) Signs of entry (forced or wildlife)	Yes	<input checked="" type="radio"/> No	
2) Signs of leaks or spills	Yes	<input checked="" type="radio"/> No	

Inspection Review & Summary

(Please report any findings or concerns)

Area: ORBIT SHOP (ROBERTS BAY)

Findings or concerns (provide photos):

FORCED ENTRY @ ENTRANCE BY PRYING DOOR LATCH
RE-BOARDED ENTRANCE

Area: 5 MILLION LITRE TANK/CONTAINERS

Findings or concerns (provide photos):

2 FULL DRUMS OF GAS WERE OUTSIDE CONTAINER
33 DRUMS IN ALL IN CONTAINER - POSSIBLY MISSING 1 FULL DRUM

Area: HELIPAD EMERGENCY SHELTER

Findings or concerns (provide photos):


PATCHED HOLE ACROSS STOVE (SEE PICTURE)

General notes on snow conditions (may provide photos):

SNOWDRIFTS FROM LAYDOWN TO MAIN CAMP
AIRSTRIP CLEAR OF SNOW
DORIS LAKE - SMALL SNOWDRIFTS

Additional comments (e.g. wildlife sightings, photographs taken):

FOX TRACKS @ PORTAL
OLD WILDLIFE TRACKS ON ROAD TO WINDY CAMP
NO SNOW BUILDUP ON ROAD TO WINDY CAMP EXCEPT @ THE
2 BRIDGES

Signatures	Inspector #1		Inspector #3	
	Inspector #2		Inspector #4	
	Primary Contact or designate:		Date Reviewed:	

Doris Winter Check Inspection – March 19th, 2013 Photographs

	
Roberts Bay Tank Farm	Roberts Bay Tank #4 Meter
	
Roberts Bay Tank # 3 Meter	Roberts Bay Tank # 2 Meter
	
5M Litre Tank/Containers (Roberts Bay)	5M Litre Tank/Containers (Roberts Bay)
	
Orbit Shop @ Roberts Bay	Orbit Shop @ Roberts Bay
	
Footprint Inside Orbit Shop @ Roberts Bay	Portal Entrance

	
Vent Raise/Modules	Main Camp
	
Main Camp	Heli-Pad Emergency Shelter
	
Patch Inside Heli-Pad Emergency Shelter	Patch Outside Heli-Pad Emergency Shelter
	
Doris Camp Tank # 1 Meter	Doris Camp Tank # 2 Meter
	
Doris Camp Tank # 3 Meter	Doris Camp Tank # 4 Meter