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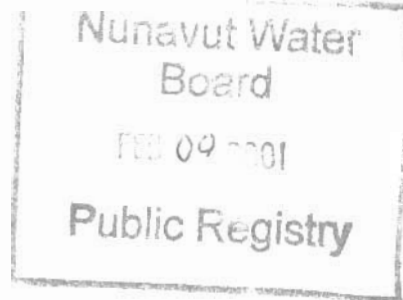
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NWB2HOP0002

February 1, 2001.

Hugh Wilson
Manager, Environmental Affairs
Miramar Mining Co., Hope Bay Joint Venture
311 West First Street
North Vancouver, BC V7M 1B5



July 12, 2000 Water Licence Inspection - Report

Firstly, I wish to thank Adrian Fleming, Dean McDonald, and yourself, for the much appreciated time and assistance provided during the visit of the Hope Bay belt. Attached for your records is the Industrial Water Use Inspection Report pertaining to the July 12, 2000 inspection of the Windy Lake camp, North Hope Bay; while the camp was unoccupied at the time of the inspection, a few considerations were nonetheless noted:

- **Sewage disposal:** The Inspector praises the Permittee's request, now duly approved by the Nunavut Water Board, to upgrade the sewage disposal system from latrines to a Rotodisk treatment unit. In light of the overall proximity of the campsite to Windy Lake (figure 1), such initiatives aimed at minimizing the impact of waste discharges to the receiving freshwater body are quite pertinent.
- **Solid waste disposal:** While the Inspector recognizes that the camp's general layout restricts potential site locations, the Permittee may wish to proactively consider relocating the combustible waste disposal area (figure 2) further away from the watermark.
- **Spills:** During the 2000 field season, eleven (11) spill reports (00-044, 00-082, 00-093, 00-110, 00-121, 00-122, 00-125, 00-146, 00-149, 00-217, and 00-260) have been filed in relation to the activities of the Windy Lake camp. While the Inspector acknowledges that most are relatively minor in gravity, and in fact commends the Permittee for reporting all instances of unauthorized discharges, this however represents a significant number of occurrences. As such, the Inspector supports the Permittee's intent to have its contractors embrace the same elevated level of environmental awareness as its own.

- **Fuel storage:** During the inspection, signs of fuel spillage in the vicinity of several housing units were observed (figure 3). Although it is understood that the Permittee has taken measures to mitigate these types of fuel spillage, the Inspector nevertheless encourages the Permittee to implement further measures/upgrades which will ultimately eliminate such spills.

Please feel free to contact me at (867) 975-4298 or lavalleep@inac.gc.ca should any questions/comments arise.

Sincerely,



Philippe Lavallée
Water Resources Officer
INAC, Nunavut District

- c.c.
- Nunavut Water Board, Gjoa Haven
 - KIA lands, Kugluktuk (Jack Kaniak)
 - DFO Habitat Management, Iqaluit (Jordan DeGroot)
 - EC Environmental Protection, Yellowknife (Anne Wilson)



Indian and Northern
Affairs Canada

Affaires Indiennes
et du Nord Canada

INDUSTRIAL WATER USE INSPECTION REPORT

Date: 2000/07/12 Company Rep. (Name/Title): Hugh Wilson / Manager, Environmental Affairs
Licensee: **Miramar Hope Bay Ltd. /**
Hope Bay Gold Corporation Inc. Licence No.: **NWB2HOP0002**

WATER SUPPLY

Source(s): Windy Lake Quantity used: camp inactive Meter Reading: none

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

Intake Facilities: A Storage Structure: A Treatment Systems: NA Recycling: NA

Flow Meas. Device: NA Conveyance Lines: A Pumping Stations: A Modifications: NA

Comments: Water supply facility to be redeployed prior to camp startup; intake is screened.

WASTE DISPOSAL

Tailings: NA Tailings Pond: Natural Lake: Underground:
Sewage: Sewage Treatment System: pending Tailings Pond: Natural Water Body:
Continuous Discharge: Intermittent Discharge:
Solid Waste: Open Dump: Landfill: Burn & Bury: Underground:

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

Discharge Quality: NA Decant Structure: NA Dyke Inspections: NA

Conveyance Lines: NA Pond Treatment: NA Runoff Diversion: NA

Discharge Meas. Device: NA Dams, Dykes: NA Erosion: NA

Freeboard: NA Seepages: NA Spills: U

Effluent Discharge Rate: NA Samples Collected: none

Comments: In the process of upgrading sewage disposal systems from latrines to a Rotodisk treatment unit. Incinerators not in ideal location, although likely further than 30m away from the watermark. Numerous, although relatively minor, spills have occurred during the current field season.

GENERAL CONDITIONS

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

Ore & Waste Rock Stockpiles: NA Records & Reporting: A SNP: NA

Geotechnical Inspection: NA Posting/Signage: NA Contingency Plan: A

Restoration Activities: NA New Construction: A Fuel Storage: U

Mine Water Discharge: NA Chemical Storage: NA Annual Report: A

Comments: Fuel spillage observed in the vicinity of several housing units.

Violations of Act or Licence: None noted.

General Comments: The general proximity of the campsite to Windy Lake mandates particular care on the Permittee's part, as discharges of waste are likely to reach a freshwater body.

Philippe Lavallée

Inspector's Name

Inspector's Signature



figure 1. Aerial view of Windy Lake camp; 2000/07/12.



figure 2. Combustible wastes disposal area; 2000/07/12.



figure 3. Housing units fuel supply system; 2000/07/12.