

INAC, Nunavut District
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January 30, 2001.

Brian Alexander
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Cumberland Resources Ltd.
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NWB2MEA0002



August 30, 2000 Water Licence Inspection - Report

Firstly, I wish to thank yourself for the much appreciated time and assistance provided during the tour of the campsite. Attached for your records is the Industrial Water Use Inspection Report pertaining to the August 30, 2000 inspection; generally, the camp appeared well-kept and adequately managed. Nonetheless, the following considerations were noted:

- **Water Supply:** At the time of the inspection, water consumption was roughly estimated according to the average amount of daily storage tank refills. While the Inspector recognizes that the needs of the modest camp (figure 1) more than likely fall within the permitted water usage, the Permittee should nevertheless endeavour to more accurately record domestic and total water use.
- **Greywater disposal:** Greywater from the kitchen facilities is directed to a natural depression converted into a sump (figure 2). While this setup proves satisfactory, a break along the discharge line was noted during the inspection (figure 3). Accordingly, the Permittee assured that this minor concern would promptly be addressed.
- **Solid waste disposal:** The Inspector acknowledges that the Permittee has responsibly deployed the incinerator at the location of the old burn barrel site (figure 4), thus minimizing the footprint of the combustible wastes disposal site.
- **Fuel storage:** The Inspector commends the Permittee for its diligent approach to fuel storage. Indeed, the housing units fuel supply system (figure 5), and in particular the bulk fuel storage site (figure 6), constitute above average practices in northern exploration camps.

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, Ranking Inlet (Luis Manzo)
 - DFO Habitat Management, Iqaluit (Jordan DeGroot)
 - EC Environment Protection, Yellowknife (Anne Wilson)



INDUSTRIAL WATER USE INSPECTION REPORT

Date: 2000/08/30 Company Rep. (Name/Title): Brian Alexander / Project Manager
Licensee: Cumberland Resources Ltd., Meadowbank Licence No.: NWB2MEA0002

WATER SUPPLY

Source(s): Third Portage Lake Quantity used: 100 m³ daily max. allowable 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: Domestic water consumption is not measured, but is roughly estimated according to the amount of storage tank refills.

WASTE DISPOSAL

Tailings: NA Tailings Pond: Natural Lake: Underground:
Sewage: Sewage Treatment System: 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: none reported
Effluent Discharge Rate: NA Samples Collected: none

Comments: A break was noted along the greywater discharge line. Honeybucket bags from the two latrines are incinerated, as are all combustible wastes. Incinerator deployed on the old burn barrel site. Incineration ashes and non-combustible wastes are hauled to Baker Lake's solid waste disposal facility.

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: A New Construction: NA Fuel Storage: A
Mine Water Discharge: NA Chemical Storage: A Annual Report: A
Comments: Excess empty drums to be crushed and backhauled this summer. Bulk fuel storage recently upgraded to 50 000 L double-walled tanks. Minimal quantity of chemicals on-site.

Violations of Act or Licence: None, although Permittee should endeavour to assess domestic and total water use more accurately.

General Comments: Generally well-kept and adequately managed camp.

Philippe Lavallée
Inspector's Name


Inspector's Signature



figure 1. Aerial view of camp; 2000/08/30.



figure 2. Greywater sump; 2000/08/30.



figure 3. Break in greywater discharge line; 2000/08/30.



figure 4. Combustible wastes disposal site; 2000/08/30.



figure 5. Housing units fuel supply system; 2000/08/30.

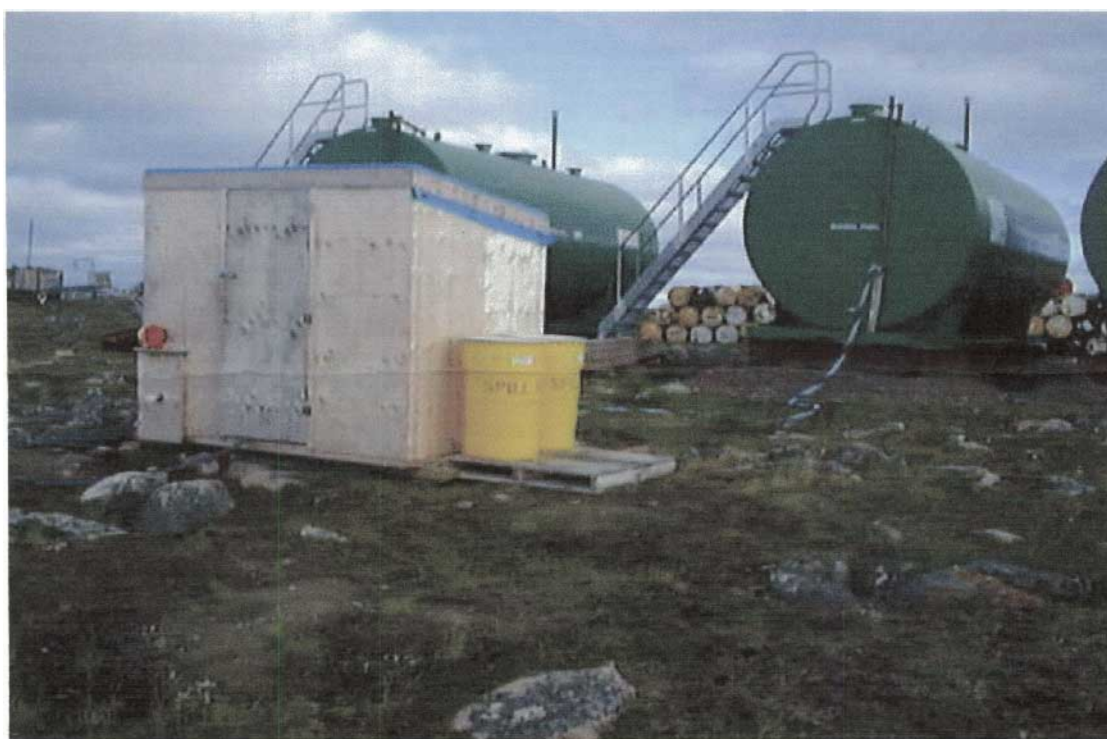


figure 6. Camp's bulk fuel storage site; 2000/08/30.