

January 09, 2010

Addendum 1 - Water License Application for Rankin Inlet Fuel Storage Facility Upgrade and Expansion Project, Rankin Inlet NU.

By: Mosher Engineering Limited
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Halifax NS, B3J 1S9

1. Water used during the hydrostatic testing and cleaning of the tanks will be analyzed for total petroleum hydrocarbons. Samples of the effluent will be taken twice per tanks. Once at the beginning and at 75% complete discharge. Also samples at the ditch prior to, mid way and following completion of annual discharge activities. The following are sample testing parameters:

Parameter	Maximum Concentration of Any Grab Sample
Benzene (µg/L)	370
Toluene (µg/L)	2
Ethylbenzene (µg/L)	90
Lead (dissolved) (µg/L)	1
Oil and Grease (mg/L)	15 and no visible sheen
Total Suspended Solids (mg/L)	15
pH	6.0 – 10.5

2. All contaminated wastes/sludge that are collected in drums will be removed from the site and sent to Montreal QC by sealift to an approved waste disposal site.
3. Spill Contingency/Prevention Plan is attached.
4. Below are the Archaeological and Paleontological Resources Terms and Conditions for Land Use Permit Holders to be adhere to:
 - a. The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
 - b. The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
 - c. The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.
 - d. The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological site encountered during the course of a land use operation, until permitted to proceed with the authorization of the Department of Culture, Language, Elders and Youth, Government of Nunavut.
 - e. The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.
 - f. The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.

- h. The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and artifacts, and palaeontological sites and fossils.
- i. The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.
- j. The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:
 - i. survey
 - ii. inventory and documentation of the archaeological or palaeontological resources of the land use area
 - iii. assessment of potential for damage to archaeological or palaeontological sites
 - iv. mitigation
 - v. marking boundaries of archaeological or palaeontological sites
 - vi. site restoration