

Notification of Drilling Waste Disposal

Sahtu Land & Water Board

Fax #: (867) 598-2325 Phone #: (867) 598-2413



Well Information

Company Name: _____
(Well Licensee)

SLWB Water Licence #: _____ Exploration Licence #: _____

Well I.D(s): _____ Sump I.D(s): _____

Well Location: Lat. _____ Long. _____
(deg. min. sec.) (deg. min. sec.)

Sump Location: Lat. _____ Long. _____
(If different than wellsite) (deg. min. sec.) (deg. min. sec.)

Date of Sampling: _____ Proposed Date of Disposal: _____
D/M/Y (48 Hrs Notice Required) D/M/Y

Operating Company: _____ Phone: () _____ - _____

Contact Name: _____ Fax: () _____ - _____

Sampling Company: _____ Phone: () _____ - _____

Name of Sampler: _____ Fax: () _____ - _____

Name of Lab Used: _____ Phone: () _____ - _____

Drilling Information

Mud System Type: _____
(Specify)

Additives Used: _____
(Specify: attach mud list)

Salt Zone Encountered: Yes No

Artesian Aquifer Encountered: Yes No
(If yes, see page 2)

Mix-Bury-Cover: Yes No*

* If no, all waste must be transported to an approved waste disposal facility.
(Please attach SLWB Drill Waste Shipping Notification Form)

On Lease Sump: Remote Sump:

Fluids Volume: _____ m³ Solids Volume: _____ m³ Total Waste Volume: _____ m³

This Form Completed By:

Name: _____ Company: _____

SLWB Water Licence #: _____

Notification of Drilling Waste Disposal

Artesian Aquifer Encountered

Volume of liquids to be disposed: _____ m³ Estimated Flow Rate: _____

Where is the produced water stored*: Sump Snow Bermed Area
 Other Self Contained Area _____
(Specify)

Results After 15 Minutes

Microtox Bioassay Test Pass EC50 (15) original: Yes No _____ %
Test Pass EC50 (15) Charcoal Treatment: Yes No _____ %

Parameter	As Received Sample
pH	
EC	ds/m
Sodium Adsorption Rate	
Total Suspended Solids	mg/L
Total Dissolved Solids	mg/L
Cadmium	mg/L
Calcium	mg/L
Chloride	mg/L
Chromium	mg/L
Copper	mg/L
Lead	mg/L
Magnesium	mg/L
Manganese	mg/L
Nickel	mg/L
Potassium	mg/L
Sodium	mg/L
Sulphate	mg/L
Zinc	mg/L
Hydrocarbons	mg/L

Please refer to the *CCME Canadian Water Quality Guidelines* for a comprehensive listing of water quality guidelines in Canada.

Proposed Disposal Method*: Sump Landspraying Other _____
(Specify)

Has the Artesian Aquifer been sealed *: Yes No

* Must be approved by the Water Licence Inspector
¹ If disposed in a sump it must meet the loading limit criteria for mix-bury-cover disposal method

SLWB Water Licence #: _____

Notification of Drilling Waste Disposal

Detailed Sump Sampling Information/ Mix-Bury-Cover

Sump Soil Texture: _____	Thickness of impermeable Layer: _____ m
Estimated Water Table Depth: _____ m	Estimated Depth to Permafrost Layer: _____ m (If present)
Intended Mix Ratio: _____ (must be a minimum of 3:1)	
Volume to be Disposed: _____ m ³	Microtox Bioassay Test Pass: <input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Post Disposal Values</u>	
Chlorides: _____ mg/kg	Oil: _____ %
Total Chlorides: _____ Kg	Total Nitrogen: _____ Kg
Other Sumps On-Lease: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach appropriate Notification of Drilling Waste Disposal Form	

Microtox Bioassay	Reading at 15 Minutes
EC50 (15) Original	%
EC50 (15) Charcoal Treated	%

Total Waste Sample Analysis	
pH	
EC	dS/m
Total Dissolved Solids	mg/L
Total Suspended Solids	mg/L
Chloride	mg/L
Sodium	mg/L
Nitrogen	mg/L
Calcium	mg/L
Magnesium	mg/L
Sodium Adsorption Rate	
Oil Content	% dry weight

- Chloride lifetime loading limit of 1600 kg per disposal site.
- Nitrogen lifetime loading limit of 400kg per disposal site.

Trace Element Analysis			
Analysis Threshold Kg	Concentration of Analyte mg/kg	Total Mass Kg	Maximum Application quantity Kg
Boron 2.5			10
Cadmium 0.75			3
Chromium 50			200
Copper 100			400
Lead 50			200
Nickel 12.5			50
Vanadium 50			200
Zinc 150			600
* Total and Dissolved Metals			

Revised: December 13, 2004

Additional Comments:

Wellsite Sketch as Cleaned Up

1. As built drawings of camp sumps and drill waste sumps shall be submitted to the Board within (90) days of being Mixed-Buried-Covered.
2. The drawings shall contain, but not limited to containing, the following information: sump depth, water table depth, permafrost classification, permafrost depth, soil classification, parent material type, sump design and dimensions, sump freeboard at time of mix-bury-cover, GPS location(s), and on-site or remote sump(s).
3. Photographs are not mandatory but are appreciated.

Compliance with the Terms and Conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable Federal, Territorial, and Municipal legislation.