

SAHTU LAND AND WATER BOARD

LICENSEE: Charter Community of Deline
LICENCE NUMBER: S12L3-006
EFFECTIVE DATE OF LICENCE ISSUANCE: December 5, 2012

SURVEILLANCE NETWORK PROGRAM

A. Location of Surveillance Stations

<u>Station Number</u>	<u>Status</u>	<u>Description</u>
0555-1	Active	Effluent at point of discharge from the secondary sewage lagoon.
0555-2	Active	Effluent at point of entry of seepage from the sewage lagoon at Airplane Lake.
0555-3	Active	Runoff from the solid waste disposal site.
0555-4	Active	Effluent at point of discharge to the wetland. Lat/Long: 65° 13' 37.045" N, 123° 25' 32.367" W
0555-5	Active	Effluent at 2,000m downstream from discharge Lat/Long: 65° 13' 20.343" N, 123° 25' 32.367" W
0555-6	Active	West drainage from solid waste disposal site (commissioned 2013) Lat/Long: 65° 13' 47.913" N, 123° 25' 52.946" W
0555-7	Active	East drainage from solid waste disposal site (commissioned 2013) Lat/Long: 65° 13' 45.421" N, 123° 25' 40.150" W

B. Sampling and Analysis Requirements

1. Effluent at Station Number 0555-1 shall be sampled at the beginning, and every three days thereafter during periods of decant, and shall not exceed the following criteria:

PARAMETER CONCENTRATION	MAX.
Faecal Coliforms	10,000 FC/100 ml
BOD ₅	80 mg/L
Total Suspended Solids (TSS)	100 mg/L

All analyses shall be performed in a laboratory approved by the Analyst

2. Water at Station Number 0555-2 shall be sampled at the request of an Inspector.
3. Station No. 0555-3, 0555-6, and 0555-7 shall be sampled monthly during periods of flow and analyzed for the following parameters:

pH	Sodium
Suspended Solids	Total Phosphate
Magnesium	Sulphate
Potassium	Total Arsenic
Fecal Coliform	Total Lead
BOD ₅	Total Nickel
Total Organic Carbon	Total Chromium
Nitrate and Nitrogen	Total Cadmium
Ammonia Nitrogen	Total Iron
Total Petroleum	Total Mercury
Hydrocarbons	
Total Phenols	Total Zinc
Conductivity	Total Copper
Calcium	

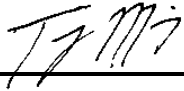
4. Effluent at station number 0555-4 and 0555-5 shall be sampled monthly during periods of flow, and shall not exceed the following criteria:

PARAMETER	MAX. CONCENTRATION
Faecal Coliform	10,000 FC/ 100ml
BOD ₅	80 mg/L
Total Suspended Solids (TSS)	100 mg/L

5. More frequent sampling or additional sampling locations may be required at the request of an Inspector.
6. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of "Standard Methods for the Examination of Water and Wastewater", or by such other methods approved by an Analyst.
7. All analyses shall be performed in a laboratory accredited by the Canadian Association of Environmental Analytical Laboratories (CAEAL) for the specific analyses to be performed or as approved by an Analyst.

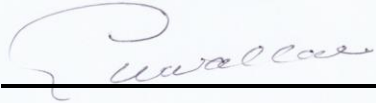
C. Reports

1. The Licensee shall, unless otherwise requested by an Inspector, include all of the data and information required by the "Surveillance Network Program" in the Licensee's Annual Report, which shall be submitted to the Sahtu Land and Water Board on or before March 31st of the year following the calendar year being reported.



Witness

SAHTU LAND AND WATER BOARD



Chairman