

Indicate Laboratory Samples are submitted to: ☐ Kingston ☐ Ottawa ☐ Richmond Hill ☐ Windsor

Are any samples to be submitted intended for Human Consumption under any Drinking Water Regulations? ☐ **Yes** ☐ **No** (If yes, submit all drinking water samples on a drinking water Chain of Custody)

* Sample Matrix Legend: WW=Waste Water SW=Surface Water GW=Groundwater LS=Liquid Sludge SS=Solid Sludge S=Soil Sed=Sediment PC=Paint Chips F=Filter Oil = Oil

sample period
holding for best
or

1-DTG 1 Bed
2 DET
1M
1R
1H
12 PPLCS

Kimmirut

Licence 3BM-KIM0911

KIM-7	Enhanced Sewage Disposal Facility - Lower Lagoon Pump Discharge	<u>Volume</u> Monthly and Annually <u>Water Quality</u> Twice Annually – start and end of decanting	New (Volume and Water Quality)
KIM-8	Surface water at end of Wetland Area	<u>Water Quality</u> Monthly during periods of flow from spring to freezeup	New (Water Quality)

2. The Licensee shall confirm the locations and GPS coordinates for all monitoring stations referred to in Part H Item 1 with an Inspector.
3. The Licensee shall collect samples at Monitoring Program Stations KIM-2, KIM-3, KIM-4, KIM-5, KIM-6, KIM-7, and KIM-8 according to the frequency provided in Part H Item 1. Samples shall be analyzed for the following parameters:

<ul style="list-style-type: none"> ✓ Biochemical Oxygen Demand – BOD₅ ✓ Total Suspended Solids ✓ Conductivity ✓ Oil and Grease (visual) ✓ Magnesium ✓ Sodium ✓ Chloride ✓ Total Hardness ✓ Ammonia Nitrogen ✓ Total Cadmium ✓ Total Cobalt ✓ Total Chromium ✓ Total Copper ✓ Total Aluminum ✓ Total Mercury Total Petroleum Hydrocarbons (KIM-2 and KIM-13 only) 	<ul style="list-style-type: none"> ✓ Faecal Coliforms ✓ pH ✓ Nitrate-Nitrite ✓ Total Phenols ✓ Calcium ✓ Potassium ✓ Sulphate ✓ Total Alkalinity ✓ Total Zinc ✓ Total Iron ✓ Total Manganese ✓ Total Nickel ✓ Total Lead ✓ Total Arsenic ✓ Total Organic Carbon (TOC)
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4. The Licensee shall measure and record in cubic meters, the monthly and annual quantities of water pumped from Monitoring Program Station KIM-1 for all purposes and effluent pumped or discharged from Monitoring Program Stations KIM-3, KIM-4, KIM-5, KIM-6, and KIM-7.
5. The Licensee shall sample and analyse sludge in accordance with the approved Operations and Maintenance Manual referred to in Part F Item 2.