1- Site of local area identifying areas of impact.
The area of impact is the Rankin Inlet Fuel Storage Facility and the sea hose connection pipeline, see attached appendix A.

2- Location of water source
Salt water from Rankin Inlet Beach located close to the sea hose connection

3-Total quantity of water to be withdrawn from source.
10000 cubic meters.

4-Method to minimize volumes of water sources.
The same water will be pumped from tank to tank.

5-Method of monitoring volumes of fresh water sources.
Saltwater from the Hudson Bay will be pumped into known tank volumes.

6-Amount, method of disposal and location of waste and sludge to be disposed of.
Prior to start filling, the tanks will be completely drained, cleaned using a pressure washer, and the dirty water used during the pressure washing will be stored in drums and considered as sludge. If hydrophobic pads or floor dry are used, they will be stored in drums. The drums will be shipped out by sealift to Montreal for proper disposal. We expect to have approximately 24 drums of waste.
Prior to discharge the water, a sample will be taken from the tank drain valve and sent to a laboratory for testing to ensure the water is not contaminated. Upon approval of the test result, the water will be directed through a solid particle collector as shown on Appendix C, then discharged into the Hudson Bay.

7- Provide a spill contingency action plan.
All the tanks are located in a containment dyke with an HDPE liner that can contain move volume then the biggest tank. In the event of a spill, the water will be immediately pumped back in the tank.

8-Details of work to be completed and restoration work required.
The project consists in building one new tank 3200cum vertical tank, relocate/refurbish two 947cum vertical tanks, and relocate two 92cum horizontal tanks. See attached Sketch 1 for the new tank farm layout. On completion all tanks will be hydrostatically tested. The tank containment will be enlarged, and a new HDPE Liner installed. New dispenser building and operator's shelter will be installed.

9-Waste disposal alternatives for contaminated liquid waste. Cleaning materials, absorbent material and sludge.

All will be packed in drums and sent by sealift to Montreal for proper disposal.

10- Location of sumps or holding cells in relation to existing water bodies.
Sumps and holding cell are located in the tank farm dyke.

11-Will these undertakings interfere with existing water users or waste depositors?

No.

Marc Losier
Technical Coordinator
Mosher Engineering Limited
71 Wright Ave, Dartmouth, NS, B3B 1H4
Ph: (902) 468-8792
Fax: (902) 468-8524
Cell (902) 483-4077