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SLWB File: S13L1-007

Bonnie Bergsma
Sahtu Land and Water Board
Regulatory Specialist
P.O. Box 1
Fort Good Hope, NT
X0E 0H0

Re: Waste Facility Modification - Water Licence S13L1-007 –New Soil Washing Facility –

Dear Ms. Bergsma,

Imperial Oil N.W.T Limited (Imperial) is requesting SLWB approval pursuant to Water Licence S13L1-007, Part G, Item 1 of the plans to construct a soil washing facility. This new facility will be located east of the biocells on the Mainland portion of Imperial's lease (Attachment 1).

Currently all salt impacted material is shipped to approved facilities typically in Alberta for disposal. This new facility will allow for salt impacted material to be treated on site.

Project Description:

The proposed project will require the construction of a treatment pad, process water holding pond, a freshwater storage tank and access to freshwater (Attachment 2). The facility will function by actively irrigating salt impacted material using a freshwater leachate solution. The resulting material is laboratory tested and dependent on results will be deemed clean, or suitable for hydrocarbon treatment in the biocell. Process water resulting from this treatment will be taken to the F-31X Treatment and Injection facility via truck.

For the leachate solution a daily volume of approximately 100 m³ of freshwater is required. Imperial plans to divert freshwater from the Refinery Waterflood (Category B Location as per S13L1-007) to satisfy water requirements (Attachment 3). This strategy eliminates the need to withdraw directly from the Mackenzie River and operationally supports Imperial's Surface Water Runoff Facility management. Mode of transport from Source to Site will be either by truck or pipeline depending on accessibility and material availability. The annual freshwater requirements will amount to approximately 4000 m³ and will be withdrawn as needed, not at one time. This project will run in the spring/summer months, therefore, all water diversion will occur during these seasons. Under no circumstances will water will be removed in winter.

In preparation for construction some brushing will be required but will commence outside Environment Canada's prescribed window for protection of migratory birds.

Imperial is requesting a rushed approval in order to commence equipment mobilization in early August 2015, with construction to follow

Copies of construction as-built drawings will be submitted to the SLWB once the work has been completed.

If you have any questions regarding this project plan please contact me at 587-476-4536.

Sincerely,



Tobiah Newton, EIT
Environmental Services Project Manager

Circulate:	L. Hollands	Environment and Regulatory Advisor, Norman Wells
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