



Geoff Pearse
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October 23, 2015

SLWB File: S13L1-007

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

**RE: Water Licence S13L1-007
Approval for Island 6 to Bear Island Depth of Cover Repairs – January 2016**

Dear Ms. Bergsma,

Imperial Oil Resources N.W.T. Limited (Imperial) is submitting a project plan entitled "Design of Flowline Protection – Island 6 to Bear Island", which outlines the depth of cover repair work planned for the winter of 2016.

Imperial plans to complete repairs on an 80 meter stretch of the Island 6 to Bear Island flowline bundle, including additional padding and armouring. The width of this work will be 20m. The intent of this work is to increase depth of cover along the entire reach of the flowline bundle, providing optimum protection and enhancing the stability against ice movement.

The Island 6 to Bear Island flowline bundle is located in a relatively shallow area of the Mackenzie River, with significant deposition of silt, sand and gravel. Due to the shallow water depth in this area, Imperial anticipates the section of river where the work is to take place to be frozen to bottom with little to no inflow of water. If the river is not frozen to the bottom, Imperial will ensure that construction is completed without serious harm to fisheries. Included in the enclosed Project Plan are safety and environmental considerations, along with efforts to be made by Imperial to minimize impact on the Mackenzie River.

Imperial is requesting the Board's approval to complete this work, starting towards the end of January 2016. It is expected that the work will take approximately 3 weeks to complete. Imperial is also requesting approval from the National Energy Board (on behalf of NEB and Transport Canada) and making notification to the Department of Fisheries and Oceans Canada prior to commencing this work.

Please refer to the attached Project Plan for all details pertaining to the proposed work. Any additional questions or concerns please contact Lindsay Hollands at (867) 587-3215.

Sincerely,

A handwritten signature in blue ink that reads "Alana Phelps for".

Alana Phelps
Cold Lake & Conventional Environment and Regulatory Supervisor

Encl.: "Design of Flowline Protection – Island 6 to Bear Island" - Worley Parsons 2015
cc: J. Watson Operations Superintendent, Norman Wells Operation