

AlecSandra Macdonald
Regulatory Specialist
Gwich'in Land and Water Board
Alex Moses-Greenland Building | 105 Veterans Way
P.O. Box 2018 | Inuvik, NT | X0E 0T0

June 28, 2018

PN 60580899

Dear AlecSandra:

Regarding: Fort McPherson New Landfill – Project Description

AECOM Canada Ltd. (AECOM) has been retained by the Hamlet of Fort McPherson to provide engineering services for construction of a new landfill. This letter provides relevant technical information addressing the requirements of the Municipal Water License No. G03L3-001, Part H(1): *Construction of designed structures shall be carried out as approved by the Board.*

Attached are Engineering Drawings and two aerial images (circa 2005), illustrating the proposed project development.

Project Description

The site was utilized in the 1970's by the federal government for borrow fill material during the construction of the Dempster Highway. The pond to the west is one of the shale pits used for the highway construction. It is currently used by the Hamlet as a sewage lagoon. Municipal solid waste and hazardous waste are deposited along the lagoon's west bank. Appliances, tires and bulky items are deposited along the lagoon's east side. See Aerial Image 2.

The pond to the east is a second shale pit, currently not in use. A drainage channel leads out of this pit, under the highway and towards the Peel River.

The area to the east of the second pit is the site of the proposed new landfill. This area is currently bound to the:

- North and south by 2m high berms (which appear to have been formed from clearing and grubbing in the 1970's).
- East by a berm with fence built by the GNWT since the image was obtained.
- West by a shallow road embankment also built after the enclosed aerial image was obtained.

It is anticipated that construction will be tendered in summer 2018 and completed in 2 phases.

Phase 1 incorporates the temporary road to the east of the proposed development for municipal solid waste, the run-off pond and a new culvert leading out of the run-off pond, under the road to lower the water table. Phase 2 includes the balance of the proposed facility.

In conjunction with this project, it is proposed to add a new Surveillance Network Program station (SNP station) located at the outlet of the culvert under the highway. See Aerial Image 2.

We trust this information satisfies your requirements. Please call René Thibault at 780-732-9462 or by email at Rene.Thibault@aecom.com if you have any questions.

Sincerely,

AECOM Canada Ltd.



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ML:pm
Encl.