



Gwich'in Renewable Resources Board

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<http://www.grrb.nt.ca>

July 18, 2018

Re: GRRB comment to GLWB_G03L3-001_ land permit_ construction of new solid waste facility for Fort McPherson

The staff of the GRRB have reviewed this application and offer the following comments and recommendations on matters within its jurisdiction.

- Relevant legislation includes:
 - Migratory Birds Convention Act <http://laws.justice.gc.ca/eng/acts/M-7.01/>
 - NWT Wildlife Act <https://www.justice.gov.nt.ca/en/files/legislation/wildlife/wildlife.a.pdf>
 - NWT Wildlife Act Plain language Summary
http://www.enr.gov.nt.ca/sites/enr/files/resources/wildlife_act_plain_language_summary_january_2018.pdf
 - NWT Species at Risk Act <http://www.nwtspeciesatrisk.ca/sites/default/files/SpeciesatRisk.pdf>
 - Federal Species at Risk Act <http://laws-lois.justice.gc.ca/eng/acts/S-15.3/index.html>
 - Fisheries Act <https://www.canlii.org/en/ca/laws/stat/rsc-1985-c-f-14/latest/rsc-1985-c-f-14.html>
 - Gwichin Land Use Plan <http://www.gwichinplanning.nt.ca/landUsePlan.html>
- The proponent shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish and to report all spills regardless of product and amount.
- GRRB staff recommend that a closure and reclamation plan for the old solid waste facility be submitted as a condition of the land use permit as per water license Part G: *Conditions Applying to Abandonment and Restoration*. A closure plan describes how the facility would be shut down and designed to prevent or minimize impacts to the receiving environment. For more information:
<https://mvlwb.com/resources/policy-and-guidelines>
- Impacts to wildlife
 - Landfills are known bear attractants. This creates a hazard for people and increases mortality to bears that may become habituated to this source of food and are then killed by wildlife officers. Grizzlies were assessed as a species of *Special Concern* under the federal Species at Risk Act in 2012. Are there measures in the site design to deter bears (ex. Enclosed perimeter, electric fencing) to reduce the probability of bear encounters with personnel?
 - Staff have concerns about the potential for waterfowl to land on water retention or leachate ponds and become fouled with contaminants, particularly if there are hydrocarbon contaminated soils on the site. Are there measures in the site design to deter use of these ponds by waterfowl or to mitigate impacts?
- Water drainage management on landfarm cells –There is a proposed new landfarm cell in addition to the existing landfarm cell. GRRB staff would like to know how the water drainage from the landfarm cells will be managed. Staff would also like more information concerning the integrity of the plastic liner currently in use. Are there plans to replace the liner to ensure drainage from contaminated soil doesn't escape into the environment? Are the plastics used adequate to the temperature stress of our winters and UV stress of the summer sun?

- Fencing – The fencing height, materials or purpose is not specified. Staff would like more information. For example, it is not clear if the fencing is sufficiently high to trap wind blown litter, or if it is for some other purpose.

If you have further questions concerning this application, please contact me by email: GRRBReviews@grrb.nt.ca or by phone at (867) 777-6600 ext 5

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Gwich'in Renewable Resources Board