
From: Roy, Bhabesh <BRoy@gov.nu.ca>
Date: Mon, Dec 14, 2015 at 8:23 PM
Subject: RE: 3BM-IGL1520
To: Cynthia Ene <cynthia.ene@nwb-oen.ca>

fyi

From: Cynthia Ene [cynthia.ene@nwb-oen.ca]
Sent: December 14, 2015 9:39 AM
To: Roy, Bhabesh
Subject: Fwd: 3BM-IGL1520

Good Morning Bhabesh,

1) Section 23 of the submitted Water Licence Amendment Application Form and Section 3.3 of the Design Brief make reference to a geotechnical investigation report that was prepared by Exp Services Inc in 2010 and included in the application. However, a copy of 5 this report cannot be found on the NWB public registry. Rather, a geotechnical investigation report for proposed sewage lagoon upgrades in Hall Beach has been provided.

Please provide a copy of the geotechnical investigation report specific to its planned sewage lagoon upgrades to the NWB for review.

[You will receive in the next e-mail.](#)

2) Section 4.4 of the Design Brief describes the need for the new and rehabilitated lagoons to be designed in a way that will allow for the storage of sludge (settled solids) to ensure that this sludge will not be released to the environment during decanting operations. The document recommends that these lagoons allow 0.5 m of depth for sludge storage. The storage requirements provided in Sections 4.1 and 5 of the Design Brief do not include dedicated volumes for sludge storage within the lagoons (i.e., 124,220 m3 of total storage: 111,570 m3 for effluent storage and 12,650 m3 for precipitation and evaporation).

Please confirm whether the storage of sludge has been considered in the design of the new and rehabilitated sewage lagoons (the operation of a dedicated lagoon cell for excavated sludge is a separate issue)?

[In future operation, the sludge will be remained at the bed and total depth of the new and rehabilitated lagoon are designed considering extra depth of 0.50m.](#)

3) Can you confirm whether the Licensee will rehabilitate an existing sewage lagoon cell to manage sludge during the rehabilitation of the existing lagoons and throughout the operation of an expanded and rehabilitated sewage treatment system. Will you be depositing sludge into a dedicated lagoon cell for long-term, what about the use of a Landfill?

The sludge from the bed of the existing three cells which are proposed to be rehabilitated will be removed prior to construction start and stored in the 4th cell which is called emergency cell and contained there.

Landfill is also called dump site. This will be used for waste management.

Thanks,