

From: Jim Wall [Tech1@nwb.nunavut.ca]
Sent: Friday, September 10, 2004 8:57 AM
To: NWB Licensing Administrator; Stephanie Hawkins; Meloche, Colette [Iqa]; Derek Moggy
Subject: Fw: Responses to the commentary from the submissions - Cape Dorset Dillon # 04-3584

----- Original Message -----

From: "Gary Strong" <gstrong@dillon.ca>
To: <Tech1@nwb.nunavut.ca>
Cc: <AJoshi@GOV.NU.CA>; <NPisco@GOV.NU.CA>
Sent: Thursday, September 09, 2004 2:41 PM
Subject: Responses to the commentary from the submissions - Cape Dorset Dillon # 04-3584

We are responding to the comments received from the various agencies.

Environment Canada

EC recommends the use of 1.0 m of free board - this was the design intent 1.0 m freeboard will be used.

SNP are required for both old and new lagoons. We respectfully suggest that the NWB establish these as part of the licence amendment.

An O&M Manual is to be developed as part of the project works - this is agreed to, and forms part of the Dillon contractual agreement with the GN.

Installation of silt fences during construction. This will be completed in locations where there is the risk of erosion and for that erosion entering into the water bodies.

EC requests the height of the raised berms at the old cell. For clarity, we are proposing the construction of new berms, not to raise the existing berms. The old berms will be abandoned and the material reused where the material is suitable for the new construction. The height of the berms will vary, because the surrounding ground profile varies. We are proposing to construct the new berms to the elevation of 32.00 m. The design liquid level is 31.00 meters.

Quarrying permits are being completed in accordance with the required regulations. No quarrying will occur within 30 m of the high water mark.

The existing lagoon (3 - cell) modifications are being addressed by the GN C&GS. They are currently reviewing this site, and providing direction to the hamlet on the needed repairs. They will verify that the site is ready to receive additional sewage this fall. (See also below for further discussion of this issue)

INAC

1. The Hamlet has passed a motion to accept the proposed modifications. The letter has been forwarded to the NWB.

2. Attached

3. The finalized version is attached.

4. Road usage - the road is to signed to show that it is not a public road. It is only an access road to the landfill and lagoon sites. Only Hamlet vehicles are to be using the road. The vehicles would include; sewage trucks; garbage trucks; front end loaders; dozers; and = ton trucks. Service vehicle use will be limited to normal operation. It is expected that the total traffic counts to be less than 50 per day.

5. See figure 1.pdf The area drainage entering the site is limited to a small area directly up gradient of the site. The drainage away from the site to toward the tidal bridge marine area.

6. The existing 3-cell system will be in use during the construction of the proposed works. After the proposed work are completed, the 3 cell system is not required. By the completion of the proposed works, it is expected that approximately 1 months sewage will be in the 3 cell system (cell 1). This will be retained over the winter, and discharged as part of the annual system discharge new year. The 3 cell system will be repaired (as noted earlier) and can be used as a back-up to the proposed site. The long term fate of the 3 cell system is to be decommissioned as a sewage treatment system.

7. The total volume of the proposed system was shown as 48,500m³. However, we have now completed the site specific survey, and also assessed the impact of removing the material related to the existing road and berm works. This results in a total storage capacity of 55,000m³.

We trust that these responses meet your needs. Please call if additional information is required.

Regards

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