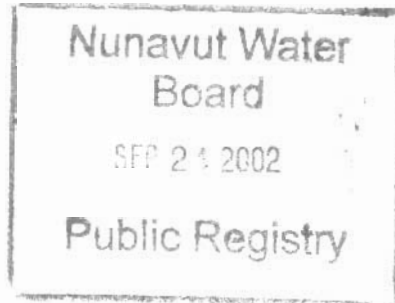


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Sept. 20, 2002

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**Re: Coral Harbour Water Licence Application Additional Information - NWB3COR**

On behalf of Environment Canada (EC) I have reviewed the additional information received in respect of the above water licence application, and offer the following comments:

The designs for the sewage and solid waste system improvements include installation of a rock wall sewage drop-off facility, construction of a sewage deflection berm, and expansion of the solid waste site with a containment berm and fencing. These will effectively achieve separation of the two waste streams, and manage leachate from the solid waste site.

I spoke this morning with Jean Corbeil of Community Government and Transportation in Rankin Inlet to clarify concerns with drainage management. From the drawings provided by Dillon Consulting Ltd., and the file photographs, it appears that the sewage deflection berm will intercept the drainage from the main pond towards the south, and that ponding behind the berm could be a concern at freshet or with heavy rain events. Depending on the substrate, this could create problems with thermal erosion below the ponded area. To allow the drainage to disperse, Mr. Corbeil suggested excavation of a drainage ditch along the north edge of the berm from the original course, to the east end of the berm. This will redirect flow and should prevent standing water from being a concern.

The other issue was with the small pond which lies on the east margin within the solid waste expansion site. Water from the solid waste site would drain towards the pond, and be discharged periodically via a culvert which has a valve for containment or control of the flow from the site. Given that leachate quality has presented problems in the past, minimizing the amount of standing or surface water on the site is recommended. By filling in the pond, there will be less water to manage or be in eventual contact with wastes. Use of the pond by waterfowl will be prevented, eliminating exposure to any contaminants associated with runoff within the solid waste site. EC recommends that

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the Surveillance Network Program which will be developed for this licence include a station at the culvert control point.

Environment Canada would like to commend the initiatives taken to improve the site infrastructure and management of Coral Harbour's municipal wastes.

Please do not hesitate to contact me at (867) 669-4735 or by email at [anne.wilson@ec.gc.ca](mailto:anne.wilson@ec.gc.ca) with any questions or comments regarding the foregoing.

Yours truly,

Anne Wilson  
Water Pollution Specialist

cc: Steve Harbicht (Head, Assessment & Monitoring, EPB)  
Ed Collins (Head, Environmental Engineering, EPB)  
Paula Pacholek (Assessment Coordinator, EPB)  
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