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September 22, 1999

Doug Sitland  
Community Government and Transportation  
Government of Nunavut  
Iqaluit, NT  
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**Re: Hall Beach – Proposed Lagoon System Modifications – Review of  
Report by Dillon Consulting Ltd.**

On behalf of the Department of Fisheries and Oceans, Habitat Management, (DFO-HM)  
I have reviewed the above report submitted by Dillon Consulting Ltd.

The report indicates the proposed modifications to the existing sewage treatment system improve the effluent quality by providing secondary treatment. The incorporation of a wetlands treatment using two shallow ponds to the already existing lagoons should help reduce the existing nutrient in the sewage and increase the overall retention time. Doug, you had confirmed during our informal meeting on August 16, 1999 that the two ponds to be incorporated in the wetlands are non-fish bearing.

I do offer the following recommendations:

1. Network Surveillance Program stations be included to monitor the success/efficiency of the modifications.
2. The berms on the existing lagoons be inspected by a geotechnical engineer to ensure their structural integrity.
3. Raw sewage not be discharged directly into the new drainage ditches, but only into the two lagoons.
4. A long-term waste management plan be developed to meet the future needs of the community.

Please note that none of the foregoing should be taken as authorization of the undertaking in accordance with the Fisheries Act or any other legislation.

If you have any questions, concerns or comments with respect to the above, please do not hesitate to contact me.

Regards,

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Margaret Keast  
Habitat Management Biologist, Nunavut Area

cc. Gary Weber, Area Manager, DFO - Nunavut Area  
cc. Winston Fillatre, Fishery Officer, DFO – Nunavut Area  
dd. Dionne Filiatrault, Technical Advisor, Nunavut Water Board