Technical Summary of Environmental Facilities Hamlet of Clyde River

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Clyde River is a community located on Patricia Bay on the east coast of Baffin Region of Nunavut. Its geographical coordinates are 70°27'N latitude and 68°33'W longitude. Its current population is about 937. The Present Water License No.3BM-CLY 0909 was issued on March 18, 2009 and will be expired on November 13, 2009.

Presently the annual average wastewater discharge volume of this community is about 36,636 cubic meters. The existing wastewater treatment facility is undersized to satisfy the present demand of the community. Therefore following the condition assessment study done by Dillon Consulting Ltd in 2003, a new lagoon has been designed by Trow Associates Inc. which will operate jointly with the existing facility. The both lagoons will function as storage cell lagoons with the capacity of existing cell being 11,600 cubic meters and the capacity of new lagoon being 46,900 cubic meters. The lagoons will work in conjunction with a vast area of wetlands of 23.5 ha. The life time of the project has been designed for 20 years. The design of these facilities was already approved by NWB.

The construction of the new cell began in late June 2009 and has been substantially completed. The remaining construction of the new cell as well as the rehabilitation of the existing cell will be completed in summer 2010. A Standard O&M manual will be updated for efficient operation of these lagoons.

Trow Associates Inc. has also been hired recently for designing solid waste management facility. This facility will accommodate all different types of domestic wastes and metal wastes. The design will be submitted to NWB once completed. This facility is scheduled for construction in 2011. A standard O&M manual will be guided for efficient operation of this facility.

The current drinking water supply system is functioning satisfactorily. This facility is unchanged during the life time of the current water license.

Finally the hamlet is in the process to bring all the facilities into compliance under the water license.



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diopoCDdio buol: ベハロ アロム, M.A.Sc., P.Eng, MPE, GN-CGS

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