



Nunavut Water Board
Application Review Board
Eureka Facility Water Licence Renewal
Licence No: 3BC-EUR0611-TYPE "B"

October 2010

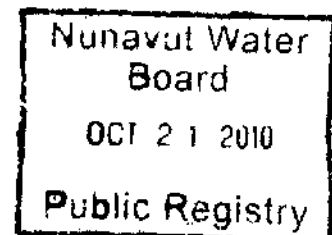
Please find enclosed the application for renewal of the water license for the Eureka High Arctic Weather Station (HAWS) on behalf of Environment Canada. The Water License Renewal Supplemental information containing the recent studies and reports undertaken to date is enclosed with this application in CD format.

This application, prepared by Property Management District 3 of Environment Canada, is requesting approval to continue to withdraw water from Station Creek once per year to fill the fresh water reservoir. Included in the application is a request to continue to employ a sewage lagoon. Approximately 5700 – 8000 cubic meters of water is withdrawn from Station Creek and approximately 3000 cubic meters of treated effluent is decanted into Slidre Fiord annually. A Surveillance Network Program (SNP) is in use to monitor water and effluent quality as per the current license. There will be updates made to the current SNP which will be submitted before December 15th 2010, as per the recommendations received from the Nunavut Water Board entitled EUR06-11 Annual Reports and Plan Submissions Letter dated September 13, 2010.

The Eureka HAWS site occupies a portion of INAC reserve No. 1021 lands. The station has been operated by Environment Canada since 1947, and will continue operation into the foreseeable future.

The primary purpose of the Eureka HAWS is to collect weather information in order to produce public weather forecasts. It additionally serves as support to the Arctic aviation community and as a staging location for various High Arctic scientific activities.

Environment Canada provides infrastructure support for the Station's activities including staff necessities, electrical power, transportation services and water and sewage services.



During the last period of the licence there have been several studies and reports that have been undertaken. Notably that of the Eureka HAWS Geophysical investigation which aided in delineating some of the parameters for the Eureka Phase III Environmental Site Assessment (ESA) study which has just recently been completed. A meeting in October of 2010 is scheduled to review the findings and formulate an action plan to address the issues identified from these reports. The outcome of these meetings and findings will also be forwarded to the Nunavut Water Board. The Golder Eureka Wastewater Treatment Options study has identified various options for the renewal of the wastewater treatment system in Eureka. This study, in combination with the current Geotechnical study by Worley Parsons which is to identify the local availability of resources required in order to implement various options for the renewal of the wastewater treatment system as well as the resources required for future recapitalization of the Eureka runway, water lagoon, and fuel storage facilities, will identify the feasibility of the options proposed.

The Nunavut Water Board will be notified as to the findings and preferred actions to the studies in order to obtain approvals prior to the projects progressing from their planning phase to that of the engineering & design phase.

Should you require clarification or additional information please do not hesitate to contact me via email at carl.carroll@ec.gc.ca.

Sincerely,



Carl Carroll FMA/SMA

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