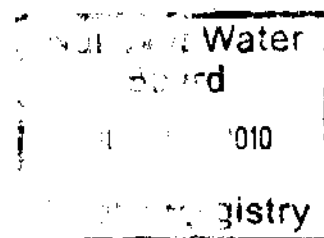


APPENDIX A
(EXECUTIVE SUMMARIES FOR RENEWAL APPLICATION)



Executive Summary
Renewal Application for Water License
Environment Canada
High Arctic Weather Station
Eureka, Nunavut

The Eureka High Arctic Weather Station (HAWS) is located on the north side of Slidre Fiord, at the north-western tip of Fosheim Peninsula, Ellesmere Island. Eureka station coordinates are 79.59.41N and 85.48.48W

The Eureka HAWS site occupies a federal DIAND land reserve No. 1021 of area 1125 ha. The station has been operated by Environment Canada since April 7th 1947. Environment Canada recently celebrated the sixtieth anniversary of the Station and plans to continue operations there for the foreseeable future.

The primary purpose of the Eureka station is to collect weather information in order to produce public weather forecasts. In addition, the Eureka station provides support to the Arctic aviation community. Eureka also serves as a staging location for other science based activities in the High Arctic.

Environment Canada provides the entire necessary infrastructure to support its activities at Eureka. This includes accommodations, electrical power, transportation, aircraft landing strip, mess operations, and water and sewage services.

This application is submitted by Environment Canada for approval to continue to pump water from Station Creek, once per year to replenish the Eureka weather station water reservoir. Included in the application is a request to continue using a sewage lagoon. Approximately 10,000 m3 of water is diverted annually to the water reservoir while 3000 m3 of waste water is returned from the sewage lagoon to Slidre Fiord.

