

Executive Summary of the Hamlet of Pangnirtung Duval River Water Licence # 1BM-DUV 1520.

The Hamlet of Pangnirtung is located at Latitude 66°09'00"N and Longitude 65°40'34"W on the Eastern shore of Baffin Island. The population of this community in 1019 is 1,634. Duval River divides this community into two sections. These two sections are connected by a steel bridge built over the river. This is a single lane bridge.

The Duval River crossing and associated drainage redirection structure was constructed in October 2009 by Fisheries and Oceans Canada to facilitate the construction of the Pangnirtung Small Craft Harbour Project. This crossing is located at Latitude 69°9'2.87" and Longitude 65°41'30.01". The Duval River crossing consists of metal culverts and rock fill. This crossing is required for transportation of the heavy equipment. Construction of the Harbour was completed in September 2013. This facility was handed over to the Hamlet since they needed.

The Hamlet of Pangnirtung will continue to use the Duval River crossing to access the municipal quarry. This process will reduce the traffic jam on the steel bridge next to this crossing and also minimize heavy loading on the bridge as well.

Considering this benefit, a decision was made to keep the crossing active and transferred the Licence # 1BW-DUV 1214 to the Hamlet of Pangnirtung on April 24, 2014.

The Hamlet of Pangnirtung will be monitoring erosion status upstream and downstream of this crossing. Hamlet also monitors surface water quality in summer to satisfy the requirements of the water licence.

Since Hamlet is the beneficiary and licensee of this facility, they will be looking after the operation and maintenance of this facility.

The Hamlet conducts summer sampling and submits annual report on time. Therefore, a 10 (ten) year term for renewal of the licence is recommended. The time period of five year is expected to provide a realistic opportunity for the licensee to meet the long term requirements of the Licence and establish a consistent compliance record.