

Application Form - Summary of Information Submitted

The department of Community Government and Transportation (CG&T) is seeking a water license for the construction of a stream crossing on the Char River. The application that was submitted on 29 January 2002 contained a summary in both English and Inuktitut. The application also contained maps indicating the locations of the proposed undertaking, and provided topographic information helpful in assessing drainage patterns, as well as information pertaining to specific drainage features or watercourses on the proposed site. However, specific information on the engineered features of the control structures, monitoring sites and retaining structures was not provided.

1. Location of the Undertaking

CG&T is proposing to construct a 14.6 m steel span bridge on the Char River (Lat 6970201.0000; Long 543566.0000)

2. Site photo, site map or air photo detailing location

The application contains detailed topographical maps, with sufficient detail so as to effectively assess drainage and flow patterns in the Char river drainage basin.

3. General condition of the site

The application contains sufficient information of the following parameters so as to be able to complete an effective assessment of construction activities associated with the proposed undertaking on water resources and fisheries habitat.

- i. Slope of banks
- ii. Description of substrate
- iii. Expected flow rates during time of construction
- iv. Channel meander pattern

4. Existing Habitat

- i. Fish Community (species/common names) at and near the site
- ii. Use of impacted area as spawning, nursery, rearing, food supply or migration route

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| iii. | Presence of sensitive habitat |
| iv. | Assessment of impact to fish and fish habitat |

5. Construction Details

The application contains sufficient information of the following parameters so as to be able to complete an effective assessment of construction activities associated with the proposed undertaking on water resources and fisheries habitat.

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| i. | Bridge dimensions and type |
| ii. | Any structures (abutments, pilings, piers) that will be placed in the water, on a temporary or permanent basis |
| iii. | Anticipated changes to the existing channel/shoreline morphology as a result of the proposed works |
| iv. | Activities or structures that may cause a temporary or permanent barrier to movement of fish or flow of water |
| v. | Coffer dams, dewatering, temporary watercourse diversions, excavation and temporary crossings |
| vi. | Total area of impact (m ²) |
| vii. | Stabilization method and materials used at bridge abutments(include details of material size range) |
| viii. | Installation of baffles, rock weirs or other structures |

6. Monitoring During Construction Activities

The application does not contain sufficient information on monitoring activities which will be carried out during construction activities. The design diagrams indicate that effective sediment controls are built into the design, and that the implementation of these control procedures is the responsibility of the contractor.

- An effective monitoring program (both parameters so as to be able to complete an effective assessment of construction activities associated with the proposed undertaking on water resources and fisheries habitat. Bryan Purdy (Kivalliq Regional Engineer, CG&T) has been noticed that this will

be required. He indicated on 20 February 2003 that he anticipated that information would be provided within a week (approximate) by Dillon Consulting-Winnipeg Office.

Any questions with respect to this review can be directed to Jim Wall, Technical Advisor NWB at 867-360-6338 or fax 360-6369 or email nwbtech@polarnet.ca