

CHANNEL REALIGNMENT

Information Requirements

GENERAL APPLICATION REQUIREMENTS

1. NWB Application Form
2. Application Fee \$30.00 dollars (c/o Receiver General for Canada)
3. Project Summary (English, Inuktitut and/or Inuinnaqtun)
4. Supplemental Information Requirements as outlined below

In accordance with the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSRTA or Act)* Section 48 (3), the Board may provide guidelines to the applicant respecting the information to be provided by the applicant in respect of any matter that the Board considers relevant, including the following:

(a) the description of the use of waters, deposit of waste or appurtenant undertaking;

1. Waterbody name and location (Lot & Conc., Municipality, Lat. & Long., local area of waterbody)
2. Site photos, site map, air photo, topographical map
3. General condition of channel (i.e. armored, slumping banks etc.)
4. Slope of banks
5. Channel gradient
6. Vegetation (on banks, overhanging, in-stream, to be removed)
7. Description of substrate material
8. Fish community (species/common names) at and near the site
9. Use of impacted area as spawning, nursery, rearing, food supply or migration route
10. Expected flow rates during time of construction
11. Watercourse/body potentially navigable? (contact the Canadian Coast Guard)

(b) the qualitative and quantitative effects of the use of waters or the deposit of waste on the drainage basin where the use is to be undertaken or the deposit is to be made, and the anticipated impact of the use or deposit on other users;

1. In-water work timing restrictions for cold +/- or warm water fishery
2. Proposed start and completion date of channel realignment and in-water construction
3. Length of realigned channel (before and after)
4. Plan for abandoned channel
5. Construction sequencing (i.e. construct in the dry, stabilize, vegetate, then open downstream plug first)
6. Dimensions / cross sections of new channel
7. Machinery proposed
8. Final gradient & gradient control
9. In-stream structure
10. Water flow conveyance measures
11. Fish transfer / water conveyance around the construction site

12. Monitoring during construction
13. Will explosives be used? (if so, how and where)
14. Assessment of impact to fish & fish habitat
15. Cumulative impacts to area (i.e. changes to channel length in other areas)

(c) the measure the applicant proposes to take to avoid or mitigate any adverse impact of the use of waters or the deposit of waste;

1. Sediment & erosion control plan
2. Other mitigation measures

(d) the measures the applicant proposes to take to compensate persons, including the designated Inuit organization, who are adversely affected by the use of waters or the deposit of waste;

1. Specify plans for fish habitat compensation (on-site/off-site)

(e) the program the applicant proposes to undertake to monitor the impact of the use of waters or the deposit of waste;

1. Natural channel design methodologies
2. Creation of in-stream fish habitat structure
3. Bank stabilization (size range of material)
4. Bank slopes and channel cross-section
5. Revegetation (timing of seeding and planting of live stakes, shrubs, seedlings, mature trees)
6. Substrate material in new channel (size range)
7. Proposed post-construction monitoring - The post-construction monitoring report should include photographs taken of the site before construction, during construction, and after construction. These photographs should be taken from the same reference point for easy comparison.

(f) the interests in and rights to lands and waters that the applicant has obtained or seeks to obtain; and

1. Regulatory agencies contacts/community consultation undertaken
2. Confirmation DFO contacted and application for authorization filed

(g) the options available for the use of waters or the deposit of waste.

1. Need for project
2. Alternatives investigated

Please note: Additional information requirements may be required by the NWB and other regulatory agencies consulted in the review of the application.