

November 27, 2019

David B. MacDonald
Project Manager
Government of the Northwest Territories
Department of Infrastructure
P.O. Box 1320
5015 – 49 Street, Yellowknife, NT X1A 2L9

Dear Mr. MacDonald:

RE: N5L1-1843 – GOVERNMENT OF THE NORTHWEST TERRITORIES, DEPARTMENT OF INFRASTRUCTURE (GNWT-INF) – GUNGHI CREEK CULVERT REPLACEMENT WITH OPEN BOTTOM CONCRETE ARCH BRIDGE - WATER LICENCE APPLICATION

The Inuvialuit Water Board (IWB) acknowledges receipt of the proposed Gunghi Creek culvert replacement project water licence application package on November 20, 2019. The IWB has completed an initial review of the application package and as a result, additional information is required for the IWB to deem the application complete.

Please provide the following information:

1. A decision document from Environmental Impact Screening Committee (EISC).
2. Schedule C, section 11 – functions of the contractors and sub-contractors; number of field crew and number of each type of equipment to be used.
3. Schedule C, section 13 – this section has been completed and signed by Wood Environment & Infrastructure Solutions. This section should be completed and signed by the applicant (i.e. GNWT – INF) or provide a letter that authorizes Wood Environment & Infrastructure Solutions to sign Schedule C and for submitting all other associated documents on behalf of the GNWT - INF.
4. Appendix A – Design Drawings: All design drawings must be signed and stamped by a professional engineer registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG).
5. Appendix D, Page 2, Section 3.0 - Erosion and Sediment Control Plan:
 - a. Purpose and scope of plan;
 - b. Primary contact information;
 - c. Procedures of erosion and sediment control measures;
 - d. The footprint (embankments, rip rap placement, bank reshaping) in m² below the high-water mark of the concrete arch bridge installation;
 - e. A tabular summary of project activities, potential effects, and proposed mitigation measures; and
 - f. Work site schedule.
6. Appendix D, Page 3, Section 5.0 - Waste Management Plan:
 - a. Purpose and scope of plan;
 - b. Primary contact information;
 - c. On site sewage and solid waste storage methods prior to transporting to a licenced waste disposal facility;
 - d. Page 4, Table 2, col 3: estimate quantities of each waste type (e.g. sewage, solid waste, hazardous waste, recyclable waste, scrap culvert);

- e. Location, quantity, timing and frequency of transportation of each waste type (e.g. sewage, solid waste, hazardous waste, recyclable waste, scrap culvert) to the licenced facility.
 - f. A copy of each agreement(s) or letters between the applicant and third parties where the third party has agreed to store, transport or dispose of each waste type (e.g. Solid waste, sewage, recyclable, hazardous waste, scrap culvert) including:
 - i. quantities of waste type; and
 - ii. disposal location(s) and proof of acceptance from third parties.
7. Appendix D, Page 4, Section 6.0 - Wildlife Management Plan:
- a. Purpose and scope of plan;
 - b. Primary contact information;
 - c. Expected wildlife species; and
 - d. Species of conservation concern (ie: Species of Risk).
8. Appendix D, Page 5, Section 7.0 - Spill Contingency Plan:
- a. Purpose and scope of plan;
 - b. Company name, site name, site location;
 - c. Effective date of plan;
 - d. Distribution list of plan;
 - e. Company environmental policies related to regulatory compliance, environmental protection, safety, spill response and clean-up;
 - f. Details on how to obtain additional copies of the plan;
 - g. Map(s) showing the following:
 - i. buildings, roads, culverts, airstrips and other infrastructure;
 - ii. all surface water bodies and direction of water flow including catchment basins;
 - iii. storage locations of each hazardous material;
 - iv. probable spill locations and direction of flow on land and in water;
 - v. locations of all emergency response and spill equipment;
 - vi. environmentally sensitive areas;
 - vii. any approved disposal sites;
 - viii. topography; and
 - ix. any other important on or off-site features;
 - h. List of type and amount of hazardous materials normally stored on-site including the storage capacity and the type and number of storage containers. The storage locations for each of these materials should appear on the map of the site. Material Safety Data Sheets (MSDS) for each hazardous material should be included in the Appendix;
 - i. Contact information for media and public enquiries;
 - j. Identify personnel, their duties, on or off-site work locations and contact information, including 24-hour telephone numbers for those responsible for activating the plan;
 - k. Flow chart to depict communication lines and the response duties of each member of the response team;
 - l. Summary of available communication equipment at the site during construction;
 - m. Potential spill sizes and sources;
 - n. Potential impacts related to that spill;
 - o. Description of the worst-case scenario for the site;
 - p. Procedure for initial response action;
 - q. Telephone number of company officials, off-site response contractors and government officials who can provide technical assistance;
 - r. If the public may be impacted by a spill, include notification procedures to alert the public;
 - s. Procedures for containing and cleaning up the spill on water, snow/ice and land;

- t. Procedures for transferring, storing, and managing spill-related wastes;
 - u. On-site and off-site resources;
 - v. Outline of the company's training programs including description of training materials and simulation exercises; and
 - w. Description of the record keeping procedures that document which employees have received training and when training was received.
9. Appendix D, Page 8, Section 8.0 - Aquatic Effects Monitoring Plan
- a. Purpose and scope of plan;
 - b. Primary contact information;
 - c. The footprint (embankments, rip rap placement, bank reshaping) in m² below the high-water mark of the concrete arch bridge installation;
 - d. A description of measures to be implemented for fish and fish habitat protection; and
 - e. A description of Contaminants of Potential Concern (CoPC) such as TSS, Turbidity, pH, Metals, Total Petroleum Hydrocarbon etc., and their monitoring provisions (i.e. Surveillance Network Program, SNP) upstream and downstream of the construction site.
10. Appendix D, Page 11, Section 10.0 - Site Closure and Reclamation Plan
- a. Purpose and scope of plan;
 - b. Primary contact information;
 - c. Demobilization details for the removal of construction equipment and trailer after project completion;
 - d. Reclamation of banks and beds of the water course impacted due to construction activities and the temporary detour; and
 - e. Reclamation of impacted vegetation due to temporary detour and construction activities.
11. Consultation records, including summary, with Hunters and Trappers Committee (HTC) and Community Corporation (CC) of Tuktoyaktuk and Inuvik.
12. A project schedule – activities to be conducted and their timeline.

Please submit two (2) hard copies and two (2) CDs or USBs of the information requested for the IWB to continue processing the application in a timely manner. The submitted documentation, including all related IWB correspondence, will be placed on the IWB Public Register.

Should you have any questions regarding this letter, contact me 867-678-8610 or adhikarib@inuvwb.ca or Mardy Semmler, Executive Director at 867-678-8609 or semmlerm@inuvwb.ca.

Sincerely,



Bijaya Adhikari, PhD
IWB Science and Regulatory Coordinator

cc: Jessica Parker, Environmental Biologist – Wood Environment & Infrastructure Solutions