

August 3, 2017

Fred Behrens
Senior Administrative Officer
Hamlet of Aklavik
PO Box 88
Aklavik, NT X0E 0A0

Dear Mr. Behrens:

**RE: N3L1-1839 – HAMLET OF AKLAVIK – BRIDGE CONSTRUCTION AND
CULVERT INSTALLATION - WATER LICENCE APPLICATION**

The Inuvialuit Water Board (IWB) acknowledges receipt of the proposed bridge construction and culvert installation water licence application submitted on July 21, 2017, on your behalf by Nehtruh-EBA Consulting (Tetra Tech Canada Inc.). The IWB has completed an initial review of the application and as a result of the review, additional information is required for the IWB to deem the application complete.

The IWB note that the project description submitted was completed in September 2014 and information in the document is outdated. Please revise the "Project Description Report for the Design and Construction of the Proposed Aklavik Bridge" with:

- a. Page 1, section 3.0, bullet 3: replace "...NWT Water Board" with "...Inuvialuit Water Board (IWB)";
- b. Page 5, section 6.0: development timetable is outdated, include an updated bridge construction timetable;
- c. Pages 15 and 16: "Figure 4" is not included;
- d. Page 16, paragraph 2, line 2: the statement ".... every 10 years..." is misleading since a 10-year return period event has a 10% chance of occurring in a given year, therefore for clarity, revise the statement to ".....water level of a 10-year return period"; and
- e. Replace "Appendix A - Bridge Concept" with a final drawing of the bridge signed and stamped by a professional engineer registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientist.

The IWB also require the following information:

1. An environmental screening decision letter from the EISC for the proposed Aklavik bridge construction and culvert installation project. The IWB note that a decision letter from EISC from 2014 is for the bridge construction project only and does not include the culvert installation;

2. Schedule C – Application for Licence #11: include number of field crew, number and type of construction equipment to be used; and
3. Schedule C – Application for Licence #11: include name, address and functions of the contractors and sub-contractors.
4. A project description report for the proposed culvert installation is not included, please provide the following information:
 - a. a description of the existing bed and banks of the watercourse at the proposed culvert installation site;
 - b. a plan of the crossing showing cross-sections and elevations at the proposed culvert installation site;
 - c. the available data on the water flow of the watercourse at the proposed culvert installation site;
 - d. a construction timetable;
 - e. number of field crew, number and type of equipment to be used;
 - f. name, address and functions of the contractors and sub-contractors; and
 - g. a drawing of culvert signed and stamped by a professional engineer registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientist.
5. Revise the “Aklavik Bridge and Culvert, Waste Management Plan” to include:
 - a. an estimated amount of garbage generation (kg/day) and composition during the bridge and culvert construction activities;
 - b. an estimated amount of domestic sewage generation (L/day) during bridge and culvert construction field activities; and
 - c. frequency of the waste (garbage and domestic sewage) collection and transportation to the Aklavik waste disposal facilities for disposal.
6. Revise the “Aklavik Bridge and Culvert, Spill Contingency Plan” to include:
 - a. The environmental policy of the Hamlet related to regulatory compliance, environmental protection, safety, spill response and clean-up;
 - b. Identification of:
 - i. potentially impacted communities,
 - ii. traditional use areas,
 - iii. other developments and environmentally sensitive areas,
 - iv. resource harvesting areas,
 - v. animal migration routes, etc.;
 - c. Map(s) showing fuel storage locations, probable spill locations and direction of flow on land and in water, locations of all response equipment and any other important on or off-site features;
 - d. A list of type and amount of hazardous materials normally stored on-site, the storage capacity and type and number of storage containers. Storage locations for each of these materials should appear on the map of the site;
 - e. The name and contact information of the person responsible for media and public enquiries;
 - f. Spill preventive measures;
 - g. A flow chart to depict communication lines and the response duties of each member of the response team;

- h. Potential spill sizes, impacts and worst-case scenario for the site;
 - i. Procedures for transferring, storing, and managing spill-related wastes;
 - j. Procedures for restoring affected areas;
 - k. Figure 1 indicates locations EBA, 2003; EBA, 2012; and EBA, 2005; but does not identify what these locations are? If these are reference materials, include with the list of references.
7. An "Erosion and Sediment Control Plan" for the bridge construction and culvert installation sites. This Plan should include measures to prevent erosion during construction and throughout the lifetime of the proposed bridge and culvert project.
8. A "Fish and Fish Habitat Protection Plan" for the proposed bridge construction and culvert installation sites that will implement avoidance and mitigation measures as identified in the Fisheries and Oceans Canada document "Measures to Avoid Causing Harm to Fish and Fish Habitat"; and
9. Consultation summary and records with the Aklavik Hunters and Trappers Committee of project updates, including project goals and how they will be achieved and to seek their advice on avoiding disturbance of any traditional harvest activities that may be occurring in the project areas.

Please submit two (2) hard copies and two (2) CDs of the additional information, documents and plans in order for the IWB to continue processing the application in timely manner. Should you have any questions regarding this letter, contact me at 867-678-8610 or adhikarib@inuvwb.ca or Mardy Semmler, Executive Director, at 867-678-8609 or semmlerm@inuvwb.ca.

Sincerely,



Bijaya Adhikari, PhD
Science and Regulatory Coordinator

cc. Alesha McKinnon, Civil Engineer – Nehtruh-EBA Consulting (Tetra Tech Canada Inc.)