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April 15, 2024

File: MV2024L8-0005

Dane Cruickshank
Government of the Northwest Territories – Department of Infrastructure
Box 1320
Yellowknife, NT X1A 2L9

Sent by e-mail

Dear Dane Cruickshank,

Re: Jean Marie River Bridge Project– Water Licence – New Application – Incomplete – Miscellaneous – Jean Marie River, NT

On April 8, 2024, Mackenzie Valley Land and Water (Board) staff received the Application Package (Application) for a new Water Licence (Licence) MV2024L8-0005¹ for the Jean Marie River Bridge Project (Project) from the Government of the Northwest Territories – Department of Infrastructure.

Board staff have reviewed the Application and identified missing information required for the Board to process the Application. For the Application to be considered complete, refer to the Application Form² and the Land and Water Board (LWB) *Guide to the Water Licensing Process* (Guide)³ and submit the following information to the Board's office:

1. Engagement Plan: An Engagement Plan must be included with the Application.
2. Camp Information: Please put the potential camp information and lay down areas in a separate document, not imbedded in the Waste Management Plan – Include water use requirements.
3. Waste Management Plan: Please provide confirmation of acceptance of waste from Fort Simpson.

¹ See the MVLWB Online Registry www.mvlwb.com for [MV2024L8-0004](#)

² See the MVLWB Apply for Permit/Licence webpage for the Water Licence [Application Form](#) / [Application Form](#).

³ See the MVLWB Policies and Guidelines webpage for the LWB [Guide to the Water Licensing Process](#).

4. Design and Construction: A Design and Construction Plan including, but not be limited to, the following:


- a) Information regarding the design of the facilities:
 - Relevant background information for the area beneath the footprint of the facilities, as deemed adequate by the Professional Engineer responsible for the design, including:
 - the results and data from geotechnical and geochemical investigations; hydrogeological investigations; and programs to characterize soil, rock, Groundwater, ground ice, and ground temperature conditions to the depth expected to be affected by the facilities; and
 - any other relevant information.
 - A design alternatives analysis;
 - Design specifications and performance parameters [if required by this Licence, enter: and quantifiable performance objectives as established by the Engineer of Record];
 - Stability analyses;
 - A description of how the design has been optimized for Closure and Reclamation;
 - A description of how climate change projections and considerations have been incorporated into the design;
 - A description of any instrumentation that will be installed as part of the facilities, including locations and rationale; and
 - A description of any operations and maintenance requirements associated with the design of the facilities.
- b) Information regarding the Construction of the facilities:
 - A Construction schedule, including sequencing information;
 - A description of the materials required for Construction, including, but not limited to:
 - sources;
 - quantities;
 - physical characteristics; and
 - geochemical characteristics.
 - A description of any potential effects on the Receiving Environment associated with Construction of the facilities; and
 - A description of any mitigation measures that will be undertaken to minimize the potential impacts identified above.
- c) Information regarding monitoring during Construction [and operation], including:
 - A description of any monitoring that will be conducted to detect potential impacts to the Receiving Environment and evaluate the effectiveness of the mitigation measures described above, including, but not limited to:
 - locations;
 - parameters;
 - frequencies; and
 - rationale.
 - Linkages to other monitoring programs
- d) Information regarding responses to monitoring results during Construction, including:

- Definitions, with rationale, for Action Levels applicable to the performance of the mitigation measures; and
 - For each Action Level, a description of how exceedances of the Action Level will be assessed and, generally, which types of actions may be taken by the Licensee if the Action Level is exceeded.
- e) A Quality Control Plan stamped by a Professional Engineer, a component of which includes a plan for a Professional Engineer to supervise and field check Construction activities.
5. Land Use Permit: Is a separate Land Use Permit required or can the work be completed under the current Operations and maintenance Permit held by the GNWT. Please consider reviewing and ensure that the fuel requirements are not exceeded.
6. Contact with other Regulators: Has there been engagement with the Department of Fisheries and Oceans and Transport Canada?

Upon receipt of this information, the Board will review the Application in accordance with the *Waters Act*. Unless GNWT - INF requests additional time, if this information is not provided within 90 days of the date of this letter, the Board will consider the Application withdrawn.

Please contact Tyree Mullaney via [email](#) or at (867) 766-7464 with any questions or concerns regarding this letter.

Yours sincerely,



Tyree Mullaney
Regulatory Specialist

BCC'd to: Chuck Shewen – Jacobs
 Azita Azarnejad - Jacobs
 Wendy Bidwell – Inspector, GNWT-ECC
 Rick Walbourne – Director, Regulatory and Permitting, GNWT-ECC