



Tyree Mullaney
Regulatory Specialist
Mackenzie Valley Land and Water Board
P.O. Box 1
Yellowknife, NT X1A 2P6

Dear Ms. Mullaney:

Annual Water Licence Report: MV2024L8-0004 Jean Marie River Bridge Replacement Project

As required by Water Licence MV2024L8-0004, please find the attached Annual Water Licence Report for 2024.

If you have any questions or require additional information, please contact Alexis Campbell (867)767-9083 ext. 31055 or via email at Alexis.Campbell@gov.nt.ca.

Sincerely,

Alexis Campbell

Alexis Campbell
Environmental Analyst
Design and Technical Services
Department of Infrastructure



MV2024L8-004 2024 Annual Report

This Report is for Water License MV2024L8-0004 -Jean Marie River Bridge Replacement Project, for the reporting year 2024.

The Board has approved Water License MV2024L8-0004 for a term of five years, effective September 6, 2024, and expiring September 5, 2029. This report is submitted as per Part B, General Condition 18 which states that Beginning March 31, 2025, and no later than every March 31 thereafter, the Licensee shall submit an Annual Water License Report to the Board and an Inspector. This Report has been prepared in accordance with the requirements of Schedule 1, Condition 1, for the previous calendar year - 2024.

A. Summary of Project activities

At the end of the reporting period (December 31, 2024) bridge replacement construction project activities have not yet begun. Project activities related to construction for the Jean Marie River Bridge project are expected to start in May 2025. In October 2024, GNWT-INF completed the Jean Marie River Bridge Replacement tender process for contractor selection which resulted in the GNWT selecting Formula Contractors Ltd. To replace the bridge. For the remainder of 2024 Formula Contractors Ltd. completed preconstruction submittals to GNWT and plans to mobilize to the site in May 2025.

B. Updated Project schedule

The overall project schedule is summarized in Table 1 below.



Table 1 Baseline Project Schedule from Formula Contractor Ltd.

Task	Proposed Dates (2025-2026)
Mobilization	May 2025
Site Setup Existing Structure Demolition Clearing, Grubbing and Stripping Detour Road and Temporary Bridge Approaches Excavation for existing roadway / bridge structure Temporary Bridge Construction Structural Backfill and Riprap Placement Abutment Piling Abutment Caps and Bearings Girder Erection Wingwalls & Diaphragms	May to October 2025
Winter Shutdown	November 2025 to April 2026
Embankment Construction Granular Base / Subbase Placement Culvert Installation Asphalt Surfacing Installation of Traffic Signage Deck Panels Sleeper Beams Approach Slabs Seeding and Site Reclamation Site Cleanup Demobilization	May to July 2026
Substantial Completion	August 2026

C. Monthly and annual quantities in cubic metres of fresh Water obtained from all sources, as required in Part B, Condition

The construction project has not started. There is no water use, and no fresh water has been obtained from any sources.

D. A summary of the calibration and status of the meters and devices referred to in Part B, Condition 17

The construction project has not started. There is no water use, and no fresh water has been obtained from any sources. Therefore, there are no calibration or status of meters to report as there are not any devices in use for which calibration is required.

E. A summary of engagement activities conducted in accordance with the approved Engagement Plan, referred to in Part B, Condition 19.

The GNWT- INF Department has committed to engaging with communities and gathering local knowledge, presenting plans, studies, and results; and gathering feedback throughout duration of the Project. Community engagement sessions have occurred in the communities of Jean Marie River and Fort Simpson.



As part of the GNWT tender process, contractors were encouraged to speak with the Affected Parties of the Jean Marie River Bridge Replacement Project. Details regarding engagement activities as part of the tender process, and engagement completed by the contractor during construction will be included in future annual water license report to follow-up on engagement outcomes.

F. A summary of how Traditional Knowledge was incorporated into decision making

The Project has integrated local knowledge into the detailed design of the Project by leveraging our knowledge and understanding of the people of the region's expectations, values, and interests, all the while seeking their feedback. Our technical staff have extensive experience explaining complex and nuanced technical information in simple, direct language that builds confidence in the project. In addition, our technical staff have effectively been capturing issues and concerns raised by community members in public meetings and private conversations using the GNWT INF processes. As an example, there was a preference noted by members of the communities for a bridge type that would minimize impacts to the river, and this preference was one of the main factors in making the decision to design and construct a single span bridge.

Details regarding engagement activities as part of the tender process, and engagement completed by the contractor during construction will be included in future annual water license report to follow-up on traditional knowledge in decision making.

G. A summary of Construction activities conducted in accordance with Part E

As of December 31, 2024, bridge replacement construction project activities have not yet begun. Project activities related to construction for the Jean Marie River Bridge replacement project are expected to start in May 2025.

H. A summary of activities conducted in accordance with the approved Waste Management Plan, referred to in Part F, Condition 5, including:

As of December 31, 2024, bridge replacement construction project activities have not yet begun. Project activities related to construction for the Jean Marie River Bridge replacement project are expected to start in May 2025.

- i. A summary of approved updates or changes to the process or facilities required for the management of Waste:
 - There have been no changes to the Waste Management Plan (WMP).
- ii. Monthly and annual quantities, in cubic metres, of solid Waste disposed of, by location:
 - No production of disposal of wastewater.
- iii. Monthly and annual quantities liquid Waste disposed of;
 - No production of disposal of wastewater.
- iv. Monthly and annual quantities, in cubic metres, of Sewage solids and/or sludge removed; and
 - No production of disposal of wastewater of any kind.
- v. A map depicting the location of the Sumps.



- There are no sumps related to this project, and no sumps have been used for this project.

I. A summary of activities conducted in accordance with the approved Erosion and Sedimentation Management Plan, referred to in Part F, Condition 3, including:

As of December 31, 2024, bridge replacement construction project activities have not yet begun. Project activities related to construction for the Jean Marie River Bridge replacement project are expected to start in May 2025.

- i. A summary of approved updates or changes to the process or facilities required for the management of erosion and sedimentation:
 - A Temporary Erosion and Sediment Control (TESC) Plan has been prepared for the Project and includes the specific temporary erosion controls measures, emergency response procedures related to failure of ESC controls, the inspection procedures and monitoring requirements throughout project execution. The TESC is meant to supplement the Permanent Erosion and Sediment Control (PESC) Plan produced for the Project.
- ii. A description of any erosion susceptible areas encountered.
 - None. As of December 31, 2024, bridge replacement construction project activities have not yet begun
- iii. A summary of activities undertaken to prevent or mitigate erosion; and
 - None. As of December 31, 2024, bridge replacement construction project activities have not yet begun
- iv. A report of the performance of mitigations applied to each area
 - No mitigation required bridge replacement construction project activities have not yet begun.

J. A summary of activities conducted in accordance with the approved Spill Contingency Plan, referred to in Part H, Condition 2, including:

As of December 31, 2024, bridge replacement construction project activities have not yet begun.

- i. A list and description for all Spills and Unauthorized Releases, including the date, NWT spill number, volume, location, summary of the circumstances and follow-up actions taken, and status (i.e., open or closed), in accordance with the reporting requirements in Part H, Condition 3 of this License; and
 - None to report. As of December 31, 2024, bridge replacement construction project activities have not yet begun.
- ii. An outline of any spill training carried out.
 - The Formula Contractors Ltd. Superintendent and Project Manager have received spill training and are responsible for notifying the GNWT and Engineer of a reportable spill immediately. Formula understands that all spills are to be reported to the GNWT and Engineer whether they



are reportable to the Spill Line or not. Spill reporting shall be conducted in accordance with the Spill Contingency Plan prepared for the MVLWB for the Project

K. A summary of any Closure and Reclamation work completed.

None to report. As of December 31, 2024, bridge replacement construction project activities have not yet begun.

L. A list of any non-compliance(s) with the conditions of this License or any directive from the Board pursuant to the conditions of this License

None to report. As of December 31, 2024, bridge replacement construction project activities have not yet begun

M. A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector

None to report. As of December 31, 2024, bridge replacement construction project activities have not yet begun

N. Any other details requested by the Board by November 1 of the year being reported.

None to report.