



**Mackenzie Valley Land and Water Board**  
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**Staff Report**

<b>Applicant:</b> Indigenous and Northern Affairs Canada	
<b>Location:</b> Giant Mine Site, NT	<b>File Number:</b> MV2017L8-0006
<b>Date Prepared:</b> Mau 27, 2019	<b>Date of Board Meeting:</b> June 6, 2019
<b>Subject:</b> 2018 Annual Water Licence Report – Information Update	

**1. Purpose**

The purpose of this Report is to present to the Mackenzie Valley Land and Water Board (MVLWB/the Board) an update on the Indigenous and Northern Affairs Canada (DIAND-Giant) UBC Bridge operation at the Giant Mine Site, as per the Annual Reporting requirements in Water Licence (Licence) MV20171L8-0006.

**2. Background**

- March 29, 2019 – DIAND-Giant submits the 2018 Annual Report covering Licence MV20171L8-0006;
- April 3, 2019 – 2018 Annual Report review commenced;
- April 23, 2019 – Reviewer comments and recommendations due;
- April 30, 2019 – Responses due; and
- **June 6, 2019 – 2018 Annual Report presented to the Board for notification.**

**3. Discussion**

In 2014, it was observed that both abutment pile caps of the UBC Bridge, constructed in 2006 in response to realignment of Reach 4, had moved. It was recommended that the foundations be replaced with new abutments with increased capacities to resist the lateral earth pressures on both ends of the bridge. To carry out the planned work, DIAND-Giant applied for Water Licence MV2017L8-0006.

Part B, condition 8 of Licence MV20171L8-0006 requires DIAND-Giant to submit an Annual Water Licence Report by March 31, listing the requirements of the annual report submission. The 2018 Annual Report was submitted on March 29, 2019 (attached). Work on the bridge was completed in 2018 and a close-out report (attached) has been submitted with the 2018 Annual WL Report.

Annual reports are not specifically for Board approval since their purpose is to report on the information collected and activities conducted during that year, including the results of monitoring activities. Since the Giant Mine Remediation Project has recently submitted its Post-EA Information Package for Type A Licence MV2007L8-0031, the 2018 Annual Report Staff was distributed for public review.

#### 4. Comments

##### Analysis of Adequacy of the 2018 Annual Report

The table of contents in the 2018 Annual Report outlines where each of the required Licence components are addressed. Table 1 below lists these components and details the adequacy of the submission.

**Table 1: 2018 Annual Report Completeness**

Topic Location	Components of the Annual Report: Schedule 1 of Licence	Board staff analysis of the adequacy of the Annual Report in addressing the Components
8. a)	A summary of engagement activities conducted in accordance with the approved <b>Engagement Plan</b> , required in Part B of this Licence, and shall include a brief description of activities planned for the forthcoming year.	DIAND-Giant summarized 2018 engagement activities associated with the UBC Bridge specifically. Work was completed in 2018 and a close-out report has been submitted with the 2018 Annual WL Report.  Adequate.
8. b)	A summary of <b>Construction</b> activities conducted in accordance with Part C of this Licence.	DIAND-Giant provided an outline of all work completed to tender and complete bridge construction in 2018. As-Built Drawings were submitted with the close-out report  Adequate.
8. c)	A summary of <b>Modifications</b> conducted in accordance with Part D of this Licence, and/or major maintenance work carried out.	No modifications were made in relation to the UBC Bridge in 2018. There may be modifications to the railing heights on the bridge in future based on ongoing discussions with Worker's Safety and Compensation Commission.  Adequate.
8. d)	A summary of activities conducted in accordance with the approved <b>Waste Management Plan</b> , required in Part E of this Licence	Waste management practices were compliant with required plans and conditions.  Adequate.
8. e)	A summary of activities conducted in accordance with the approved <b>Spill Contingency Plan</b> , required in Part F of this Licence, including: i. A list and description for all Unauthorized Discharges that occurred during the previous calendar year, 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 I of this Licence; and ii. An outline of any spill training and communications exercises carried out during the previous calendar year.	No unauthorized discharges occurred in relation to the UBC Bridge repair work. A small spill (~0.8 L) of hydraulic oil occurred on April 7, 2018, and another small spill from the piston of an excavator occurred on May 20 (<0.5 L). Both spills were cleaned up as required. Training for spill prevention and spill response specific to the work site location was provided for all contractor workers as part of site orientation prior to commencement of construction. Spill training continued throughout the bridge repair.  Adequate.
8. f)	A summary of Closure and Reclamation activities conducted in accordance with Part G of this Licence.	No closure or reclamation activities occurred in relation to the UBC Bridge repair work under this Licence in 2018. The UBC Bridge will continue to be used in support of Site remediation activities.  Adequate.

8. g)	A summary of activities pertaining to <b>Watercourses</b> , conducted in accordance with Part H of this Licence.	DIANT-Giant has included a table summarizing the activities that occurred in/around water. Daily inspections of creek banks were conducted as well as installation of silt curtains to mitigate any migration of soils or sediment towards Baker Creek. No elevated levels of total suspended solids or turbidity were reported during freshet 2018.  Adequate.
8. h)	A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector	No non-conformances or deficiencies identified in any reports filed by an Inspector  Adequate.
8. i)	Any other details requested by the Board by November 1st of the year being reported.	No other items were requested by the MVLWB.  Adequate.

## 5. Public Review

No comments were received by April 23, 2019, or thereafter.

## 6. Security

Since the proponent is the Federal Government, there is no security required under this Licence.

## 7. Recommendation

Board staff recommend the Board **acknowledge the 2018 Annual Water Licence Report**, as submitted to fulfill Part B, condition 8 of Water Licence MV20171L8-0006.

A draft acknowledgement letter is attached.

## 8. Attachments

- [2018 Annual Report](#)
- [UBC ridge Close-Out Report](#)
- Draft Acknowledgement Letter from the Board

Respectfully submitted,



Shannon Allerston  
Regulatory Specialist