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Tyree Mullaney
Mackenzie Valley Land and Water Board
PO BOX 2130 4922 48th Street - 7th Floor
Yellowknife, NT X1A 2P6

Via Email: tyree@mvlwb.com

Re: Type B Water Licence MV2021L1-0009 Annual Water Licence Report

Dear Tyree,

Imperial Oil Limited was issued Water Licence MV2021L1-0009 on November 21, 2021 by the Mackenzie Valley Land and Water Board for the Jean Marie B-48 well re-abandonment project.

This report will address the requirements of Schedule 1: Annual Water Licence Report as part of Part B, Condition 17 of the Water Licence.

Please reach out to the undersigned if you have any questions.

Regards,

Esther Choi

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Project Manager E&PS

cc: Kyle Christiansen, Inspector, GNWT-ENR
Jaclyn Mersereau, Imperial

- a) *A brief summary of Project activities;*
Due to OROGO's deferral of the abandonment program for the 2021/2022 winter season, no Project activities were executed.
- b) *An updated Project schedule;*
Due to OROGO's deferral, the Project fieldwork is planned to start December 2022 and be completed in March 2023 followed by a period of monitoring, if necessary.
- c) *The monthly and annual quantities in cubic meters of fresh Water obtained from all sources, as required in Part B, Condition 16 of this Licence;*
As no Project activities were executed, no fresh Water was obtained from the approved sources.
- d) *A summary of the calibration and status of the meters and devices referred to in Part B, Condition 16 of this Licence;*
No Project activities were executed for the 2021 reporting year, installation and calibration of meters and devices will be completed during 2022 Project execution.
- e) *A summary of engagement activities conducted in accordance with the approved Engagement Plan, referred to in Part B, Condition 18 of this Licence;*
Imperial provided an email update to all the communities in the Dehcho First Nations on November 22, 2021 informing them of the OROGO meeting that was held on November 19 that directed Imperial and other operators to defer well abandonment activities planned for the 2021/2022 season to the 2022/2023 winter season.

Imperial met virtually with JMRFN on November 30, 2021 to meet Chief Hardisty and provide background information and updates on the Jean Marie B-48 well abandonment project. It was agreed between Imperial and JMRFN that updates would be provided as needed since the abandonment execution was delayed and the post abandonment update scheduled for April 2022 would not be required. Imperial will engage JMRFN as detailed planning activities for field execution begins.

- f) *A summary of how Traditional Knowledge was incorporated into decision making;*
No Project activities were executed for the 2021 reporting year.
- g) *A summary of Construction activities conducted in accordance with Part E of this Licence*
No Project activities were executed for the 2021 reporting year.
- h) *A summary of major maintenance activities conducted in accordance with this Licence*
No Project activities were executed for the 2021 reporting year.
- i) *A summary of activities conducted in accordance with the approved Waste Management Plan, referred to in Part F, Condition 3 of this Licence, including:*
- i. *A summary of approved updates or changes to the process or facilities required for the management Waste;*
No updates or changes requested as no Project activities were executed for the 2021 reporting year.
 - ii. *Monthly and annual quantities/volumes by location of Waste managed under the plan;*
No Waste as no Project activities were executed for the 2021 reporting year.
- j) *A summary of activities conducted in accordance with the approved Waste Management Plan, referred to in Part F, Condition 3 of this Licence, including:*
- i. *A summary of approved updates or changes to the process or facilities required for the management of Waste; and*
No updates or changes requested as no Project activities were executed for the 2021 reporting year.
 - ii. *Monthly and annual quantities/volumes by location of Sewage and associated Waste and other materials managed under the Plan.*

No Sewage nor associated Waste as no Project activities were executed for the 2021 reporting year.

- k) *A description of any erosion susceptible areas encountered and a summary of activities to prevent or mitigate erosion;*
- i. *A report of the performance of erosion mitigation applied in previous years;*
No erosion susceptible areas encountered as no Project activities were executed for the 2021 reporting year.
- l) *A summary of activities conducted in accordance with the approved Spill Contingency Plan, referred to in Part H, Condition 2 of this Licence, including:*
- i. *A list and description for all Unauthorized Discharges, 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 2 of this Licence; and*
No Unauthorized Discharges as no Project activities were executed for the 2021 reporting year. Field personnel will review the Spill Contingency Plan and receive an orientation related to spill contingency and emergency response closer to field execution.
 - ii. *An outline of any spill training carried out.*
No Unauthorized Discharges as no Project activities were executed for the 2021 reporting year. Field personnel will review the Spill Contingency Plan and receive an orientation related to spill contingency and emergency response closer to field execution.
- m) *A summary of activities conducted in accordance with the Closure and Reclamation Plan, referred to in Part I, Condition 1 of this Licence, including:*
- i. *Details of any Progressive Reclamation undertaken;*
No Project activities were executed for the 2021 reporting year.
 - ii. *A discussion on whether planning and implementation remains on schedule, and a summary of any new scheduling setbacks;*
Project activities were delayed by one year due to Covid-19 concerns, setbacks are not anticipated for the 2022/2023 winter field season.
 - iii. *A summary of Reclamation Research completed;*
No changes to the current Closure and Reclamation Plan.
 - iv. *A summary of engagement conducted regarding Closure and Reclamation;*
None since issuance of the Water Licence. Engagement activities will begin once detailed planning for field execution begins.
 - v. *A list of any factors that would increase or decrease the Closure Cost Estimate the next time the Estimate is updated; and*
Changes to the Closure and Reclamation Plan are not expected, thus the Closure Cost Estimate is not expected to change.
 - vi. *Any other related information.*
N/A
- n) *A list of any non-compliance(s) with the conditions of this Licence or any directive from the Board pursuant to the conditions of this Licence;*
No non-compliances issued.
- o) *A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector;*
N/A, no reports filed by an Inspector as no Project activities were executed for the 2021 reporting year.
- p) *A table detailing all commitments related to Water use and the deposit of Waste made during the Environmental Screening, with descriptions of how each commitment is being or has been met; and;*
N/A, no Project activities were executed for the 2021 reporting year.
- q) *Any other details requested by the Board by November 30 of the year being reported.*
N/A