

## Review Comment Table

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| <b>Board:</b>                          | WLWB  |
| <b>Review Item:</b>                    | GNWT-INF - Tlichó All-Season Road (TASR) - Type A Permit Amendment and Type B Licence Application re Quarry at km 80 (W2016E0004/W2021L8-0001)  |
| <b>File(s):</b>                        | <a href="#">W2016E0004</a><br><a href="#">W2021L8-0001</a>  |
| <b>Proponent:</b>                      | GNWT - INF (Infrastructure)   |
| <b>Document(s):</b>                    | <a href="#">Amendment Request and Type B WL Application</a> (790 KB)<br><a href="#">Quarry Operations Plan - Version 5.0</a> (26388 KB)<br><a href="#">Engagement Record</a> (2004 KB)<br><a href="#">DRAFT Licence</a> (338 KB)<br><a href="#">Quarry Operations Plan - Version 5.0 - AIA</a> (5104 KB)  |
| <b>Item For Review Distributed On:</b> | May 20 at 14:21 <a href="#">Distribution List</a><br>May 20 at 14:25 <a href="#">Distribution List</a>  |
| <b>Reviewer Comments Due By:</b>       | June 10, 2021   |
| <b>Proponent Responses Due By:</b>     | June 15, 2021   |
| <b>Item Description:</b>               | <p>The Government of the Northwest Territories Department of Infrastructure (GNWT-INF or the Applicant) submitted a complete request to amend its W2016E0004 Permit and a complete application for a new type B water licence (W2021L8-0001) for the construction and use of a quarry at km 80 of the Tlichó All-Season Road (TASR). The purpose is to support the construction of the TASR through the use of a quarry that is not currently included in the TASR Water Licence and Permit, and which has not been previously screened. GNWT-INF has also submitted:</p> <ul style="list-style-type: none"> <li>Version 5.0 of its Quarry Operations Plan, which is also for Board consideration.</li> </ul> <p><b>Using the Online Review System (ORS), reviewers are invited to submit comments and recommendations on the documents linked below by the review comment deadline specified. Reviewers may also wish to consider providing an overarching recommendation regarding whether the Board should approve the submission, to provide context for the comments and recommendations and assist the Board with its decision. Notices of intent to file a claim for water compensation must also be submitted by the review comment deadline. If reviewers seek</b></p> |

clarification on the submission, they are encouraged to correspond directly with the Applicant prior to submitting comments and recommendations.

**Preliminary Screening (Part 5 of the MVRMA):** Under the Preliminary Screening Requirement Regulations, the Board must conduct a preliminary screening for a proposed development, unless it is exempt from preliminary screening in accordance with the Exemption List Regulations. Reviewers are encouraged to provide comments and recommendations (e.g., on impacts and mitigation measures) to assist with the Board's preliminary screening determination.

Under the Tlicho Wenek'e or the Tlicho Land Use Plan (TLUP), the Board must confirm the Application conforms with the TLUP. Reviewers are encouraged to provide comments and recommendations on conformity with the TLUP.

**Draft Permit/Licence:** A draft Licence has been developed by Board staff. These draft materials are not intended to limit in any way the scope of reviewers' comments. The Board is not bound by the contents of the draft Licence and will make its decision at the close of the proceeding on the basis of all the evidence and arguments filed by all parties. No draft permit is being circulated for review as the amendment request did not require wording changes to permit conditions.

**Wildlife and Wildlife Habitat:** Please be advised that comments made by reviewers regarding impacts of this project to wildlife and wildlife habitat in this preliminary screening will inform the GNWT Minister of Environment and Natural Resources' determination regarding whether a Wildlife Management and Monitoring Plan will be required for this Project as per section 95 of the Wildlife Act.

All documents that have been uploaded to this review are also available on our public Registry. If you have any questions or comments about the ORS or this review, please contact Board staff identified below.

**\*UPDATE (June 4, 2021)\*:** As per PWNHC comment 1, the AIA submitted with Version 5.0 of the QOP has been revised and re-posted to remove sensitive information.

**Contact Information:**

Anneli Jokela 867-765-4588  
Jessica Pacunayen 867-765-4591

## Comment Summary

| Environment and Climate Change Canada: Victoria Shore |   |  |  |  |
|---|---|--|--|--|
| ID  | Topic   | Reviewer Comment/Recommendation  | Proponent Response   |  |
| 1   | Ammonia Management<br>Reference: Quarry<br>Operations Plan, ver 5.0 | <p><b>Comment</b> Using explosives to blast for road construction material has the potential to introduce ammonia and nitrates into nearby water bodies. These potential impacts can be mitigated through source control and collection of runoff; however, if left unaddressed may have potential for toxicity, nutrient increases and eutrophication in a water body.</p> <p><b>Recommendation</b> ECCC recommends that Section 4.3 (Ammonia Management) of the Quarry Operations Plan be updated to specify that:           <ul style="list-style-type: none"> <li>&lt;li&gt;Nitrogen-based explosives will be stored, transported, handled, used, and managed in such a location and manner to prevent discharge of ammonia/nitrate to fish-bearing waters;&lt;/li&gt;</li> <li>&lt;li&gt;Explosives storage sites will be monitored for spills, and any spills will be managed and reported appropriately; and&lt;/li&gt;</li> <li>&lt;li&gt;Surface water will be directed away from explosives storage sites to prevent/mitigate mobilization of nitrogen.&lt;/li&gt;</li> </ul> </p> | <p><b>June 14:</b> The Quarry Prospect #80 is a sand and gravel pit and there is no intention to conduct blasting operations to facilitate aggregate extraction. While the ECCC comment and request to update the Quarry Operations Plan is appreciated, there is no further blasting anticipated during the 2021 construction season as part of any quarry development or expansions. The approved Fish and Fish Habitat Protection Plan (V 1.1) Section 6.2, has and continues to afford sufficient protection of aquatic resources from blasting activities on the TASR construction project.</p> |  |
| GNWT - Lands - North Slave Region: Clint Ambrose      |   |  |  |  |
| ID  | Topic   | Reviewer Comment/Recommendation  | Proponent Response   |  |
| 1   | Land Use Permit<br>Operating Conditions                             | <p><b>Comment</b> The amendment request to add a new quarry at Km 80 of the Tlicho All Season Road (TASR) has been reviewed.</p> <p><b>Recommendation</b> The existing operating</p>   | <p><b>June 14:</b> GNWT-INF thanks Lands for their comment and support</p>   |  |

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|  |  | conditions annexed to the land use permit are sufficient to mitigate potential environmental concerns from arising. Therefore no new conditions are required for the addition of the Km 80 quarry. |  |  |
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**GNWT - PWNHC (Prince of Wales Northern Heritage Centre (w/in ECE)): Naomi Smethurst**

| ID | Topic  | Reviewer Comment/Recommendation   | Proponent Response  |  |
|----|--|---|---|--|
| 1  | Protection of Historical, Archaeological, and Burial Sites | <p><b>Comment</b> The draft Archaeological Impact Assessment (AIA) report is posted on the WLWB Public Registry. As per ECE's License Agreement for access to archaeological data, maps showing archaeological site locations are not to be made available to the general public unless the scale is 1:2,000,000 or smaller.</p> <p><b>Recommendation</b> Please remove the AIA report from the Registry or omit figures displaying archaeological and fossil site locations.</p> | <p><b>June 14:</b> The WLWB removed the AIA Report as directed by PWNHC</p> |  |

**Wek' eezhii Renewable Resources Board: Randi Jennings**

| ID | Topic  | Reviewer Comment/Recommendation   | Proponent Response  |  |
|----|--|---|---|--|
| 1  | GNWT-INF - Tlichó All-Season Road (TASR) - Type A Permit Amendment and Type B Licence Application re Quarry at km 80 (W2016E0004/W2021L8-0001) | <p><b>Comment</b> The WRRB have no comments at this time.</p> <p><b>Recommendation</b> The WRRB have no recommendations at this time.</p> | <p><b>June 14:</b> GNWT-INF thanks the WRRB for their comment and support</p> |  |

**WLWB: Jessica Pacunayen**

| ID | Topic | Reviewer Comment/Recommendation | Proponent Response |  |
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| 1 | Representative Sample | <p><b>Comment</b> The June 4, 2020 Decision Letter for the Quarry Operations Plan (QOP) Version 4.0 states that the Board “requires GNWT-INF to include details of how representative samples are generated and to provide a map of locations where testing occurred” in future versions of the QOP to assist with the interpretation of results. One sample was taken to support the use of the Quarry in Version 5.0 of the QOP; however, it does not appear that supporting information of where and how a representative sample was generated was included.</p> <p><b>Recommendation</b> Please provide the location of where testing occurred and details of how the representative sample was generated.</p> | <p><b>June 14:</b> Consistent with the collection of all ARD/ML samples gathered from the previously approved aggregate sources on the TASR project, one representative aggregate sample (per 100,000m<sup>3</sup>) for the source location was taken. In this case from within the TASR RoW at ~ Station 80+100. The map provided in Quarry Operation Plan 5.0 provides the sampling station location identified as the Pit Centre and the analysis report identifies the sampling location as Station 80+100. A representative sample, following industry standard sampling procedures, was collected using a shovel from the source material sand and gravel from the slopes exposed during the initial road and ditch construction through this section of RoW. Alberta Standard Specifications for Highway Construction (2013) and Northwest Territory Transportation (1996) specifications do not specifically detail ARD/ML testing requirements. However, ARD/ML testing is required under the Project Agreement and therefore BC Guidelines for Metal Leaching and Acid Rock Drainage at Minesites in British Columbia (Price and Errington, 1998) have provided the current guidance for sampling and testing.</p> |  |
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## Distribution List

### GNWT-INF - Tlicho All-Season Road (TASR) - Type A Permit Amendment and Type B Licence Application re Quarry at km 80 (W2016E0004/W2021L8-0001)

**File(s):** W2016E0004 W2021L8-0001

**Proponent:** GNWT - INF (Infrastructure)

**Reviewer Comments Due By:** June 10, 2021

**Proponent Comments Due By:** June 15, 2021

#### Document(s)

Amendment Request and Type B WL Application

Quarry Operations Plan - Version 5.0

Quarry Operations Plan - Version 5.0 - AIA

Engagement Record

DRAFT Licence

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