



Via Email

Mr. Joseph Mackenzie
Chair
Wek'èezhì Land and Water Board
1-4905 48 STREET
YELLOWKNIFE NT X1A 3S3

SEP 09 2020

Dear Mr. Mackenzie:

Tłchọ All Season Road Type A Water Licence Proceeding - Information Request Response

The Government of the Northwest Territories' Department of Infrastructure (GNWT-INF) is pleased to submit the attached Information Request Response (IRR) for the Tłchọ All Season Road (W2020L8-0001). The IRR is being submitted in response to the Wek'èezhì Land and Water Board's September 3, 2020 Information Request regarding clarifications on the Type A Water Licence application.

Should you have any questions or concerns please contact me at (867) 767-9086 ext. 31117 or by email at Ziaur_Rahman@gov.nt.ca at your earliest convenience.

Sincerely,

Ziaur Rahman
Manager, Surface Design and
Construction
Department of Infrastructure

Attachment

Response to the WLWB Information Request

Mislabeled Water Source Capacities

The Type A Application proposes an increase in water use for the Project. The water to be used would be withdrawn from the Water Sources authorized under Water Licence W2016L8-0001. These Water Sources (with the exception of the groundwater source) were included in Section 7 of the Type A Application, along with the water source capacities for two of them (i.e., 'Unnamed Lake 1' and 'Unnamed Lake 2') and states that all others will be determined in the future.

Meanwhile, the approved Fish and Fish Habitat Protection Plan (FFHPP) Version 1.1 provides the same total lake volumes for 'Peanut Lake' and 'Shallow Lake' as those provided for 'Unnamed Lake 1' and 'Unnamed Lake 2' in the Type A Application. The location of 'Peanut Lake' and 'Shallow Lake' appear to be consistent with the locations of 'Unnamed Lake 3' (Water source ID-8) and 'Unnamed Lake 4' (Water source ID-9), as defined by Water Licence W2016L8-0001. There appears to be a discrepancy between the water capacities/volumes provided in the Type A Application and the approved FFHPP Version 1.1.

1. Please clarify the discrepancy between the water capacity volumes provided in the Type A Application and the approved FFHPP (Version 1.1).

Response:

The volumes provided in the Type A Water Licence Application that are listed under Lake 1 and Lake 2 are incorrect and will be reassigned to Lake 3 (Shallow Lake= 920381.4 m³) and Lake 4 (Peanut Lake = 219369.7 m³). This error occurred due to the original bathymetric survey that was conducted using naming conventions that pre-dated the complete selection of all other approved sources that are listed in the FFHPP.

Withdrawal Location of Water Source ID-9 and ID-13

Unnamed Lake 4 (i.e., Water Sources ID-9) and Unnamed Lake 8 (i.e., Water Source ID-13) of Appendix B of Version 1.1 of the FFHPP and the Licence are listed as two different waterbodies. However, based on the map provided in Appendix C of the FFHPP Version 1.1, it appears that Water Sources ID-9 and ID-13 are located within the same waterbody. Based on the coordinates provided in Appendix E, this waterbody appears to also be referred to as Peanut Lake and has a total lake volume of 219369.7 m³.

2. Please confirm whether 'Unnamed Lake 4' (Water Source ID-9) and 'Unnamed Lake 8' (Water Source ID-13) are the same waterbody (i.e., both Peanut Lake). If not, please explain how these two are different and clarify which Unnamed Lake (i.e., Unnamed Lake 4 or Unnamed Lake 8) the bathymetry data provided for Peanut Lake in Appendix E applies to.

Response:

Yes, Unnamed Lake 4 and Unnamed Lake 8 are both Peanut Lake. The bathymetric data collected supports withdrawal from Unnamed Lake 4 (Water Source ID 9 and 13) (or as the Golder Bathymetry report states, Lake 1). When the original survey was done by Golder it pre-dated the current approved water source list and the naming convention for the approved water sources evolved over time. The two data points in Peanut Lake originally identified as the "lake" and the location of a potential withdrawal site. Moving forward, Peanut Lake will be recognized as Unnamed Lake 4 (Water Source ID-9) and Unnamed Lake 8 will be abandoned.