

**From:** [Dave.Green1](#)  
**To:** [Kassandra DeFrancis](#)  
**Subject:** FW: Water Licence W2020L8-0001 - Activation of all Water Withdrawal Sources  
**Date:** May 8, 2024 6:26:57 PM  
**Attachments:** [image003.png](#)  
**Importance:** High

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Hi Kassandra

Please find attached request to GNWT-ECCC for activation of water withdrawal sources for the Tłı̄chq Hwy for your records.

Warm Regards

Dave

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**From:** Dave.Green1  
**Sent:** Wednesday, May 8, 2024 6:25 PM  
**To:** Meaghan MacIntyre-Newell <Meaghan\_MacIntyre-Newell@gov.nt.ca>; Nahum Lee <Nahum\_Lee@gov.nt.ca>  
**Cc:** Devon.Stephenson <Devon.Stephenson@kiewit.com>; Rafael.CastroQuiros <Rafael.CastroQuiros@kiewit.com>; Justin Grandjambe <JGrandjambe@tlichoc.com>; Leclerc-Beaulieu, Tatiana <Tatiana.Leclerc-Beaulieu@dfo-mpo.gc.ca>; Karine Gignac <Karine\_Gignac@gov.nt.ca>; Anneli Jokela (ajokela@wlwb.ca) <ajokela@wlwb.ca>  
**Subject:** Water Licence W2020L8-0001 - Activation of all Water Withdrawal Sources  
**Importance:** High

Hi Meaghan, Nahum

Further to your email on May 7, 2024 where you have accepted the use of the 2023 Instantaneous flow measurements to guide our water withdrawal limits, please accept this email as a formal request to activate water withdrawal from Duport River, James River and Whatı̄dee (LaMartre) for road preparation activities. Notification will be provided to yourself and WLWB at a later date and 10 days in advance of calcium chloride application as required (Part C-Condition 4). We fully understand that we are currently constrained to the 299m<sup>3</sup>/day until we initiate calcium chloride application where the withdrawal amount increases to 900m<sup>3</sup>/day for a maximum of 14 consecutive days as stipulated by Water Licence W2020L8-0001 (Part C – Condition 1,2).

As in previous years, NSI plans to install pumps in the previously approved locations on the southeast side of the LaMartre River (Whatı̄dee), the southeast side of James River and southeast side of Duport River, all equipped with suitable fish screens (Part C, Condition 14).

The LaMartre River discharge measurement (last calculated March 23, 2024) was measured at ~19m<sup>3</sup>/sec or **1,641,600m<sup>3</sup>/day** allowing for the withdrawal of 164,160 m<sup>3</sup>/day (Part C – Condition 9 10% of instantaneous flow). Clearly, the maximum daily withdrawal of 299m<sup>3</sup>/day or 900m<sup>3</sup>/day

permitted under this water licence is available from this source. However, it is acknowledged that there is a maximum withdrawal limit of 4000m<sup>3</sup>/year from Whatidee (LaMartre) under this license. It should be noted that the hydrometric station used for this assessment may not be reading accurately at this time (see below) but it is fully expected that the permissible water withdrawal more than surpasses the anticipated takings under the licence limits.



The Duport River instantaneous flow measurements completed in 2023 was **86,500m<sup>3</sup>/day**. With respect to Part C, Conditions 6 of WL 2020L8-000, this river would easily handle the withdrawal of 900m<sup>3</sup>/day as it is significantly less than the 10% (8,650m<sup>3</sup>/day) of allowable instantaneous flow.

The James River instantaneous flow measurement completed in 2023 was of **99,675<sup>3</sup>/day**. With respect to Part C, Conditions 6 of WL 2020L8-000, this river would easily handle the withdrawal of 900m<sup>3</sup>/day as it is significantly less than the 10% (9,967m<sup>3</sup>/day) of allowable instantaneous flow.

As in previous years, water volumes will be tracked using water truck/tanker load count sheets that will be reviewed daily during active withdrawals to ensure compliance with permit withdrawal limits. A summary of water withdrawals/source will be provided in the Water License Annual Report.

Should you require any additional information, please do not hesitate to contact me at anytime.

Thank you in advance

Regards

Dave



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