

Kassandra DeFrancis

To: Anneli Jokela
Subject: RE: WL#2020L8-0001 - Tlicho Highway Water Withdrawal Activation Request for James River and Duport River

From: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>
Sent: Thursday, June 8, 2023 2:49 PM
To: Dave.Green1 <Dave.Green1@kiewit.com>; Meg McCluskie <Meg_McCluskie@gov.nt.ca>
Cc: Caroline.Walmsley <Caroline.Walmsley@kiewit.com>; Devon.Stephenson <Devon.Stephenson@kiewit.com>; Clint Ambrose <Clint_Ambrose@gov.nt.ca>; Paul Vecsei <Paul.Vecsei@tlicho.ca>; Violet Camsell-Blondin <Violet.CamsellBlondin@tlicho.ca>; Lands <lands@tlicho.ca>; Brett Wheler (brett.wheler@tlicho.ca) <brett.wheler@tlicho.ca>; Anneli Jokela <ajokela@wlwb.ca>; Leclerc-Beaulieu, Tatiana <Tatiana.Leclerc-Beaulieu@dfo-mpo.gc.ca>; Beattie, Alasdair <Alasdair.Beattie@dfo-mpo.gc.ca>; Rafael.CastroQuiros <Rafael.CastroQuiros@kiewit.com>; Blair Baldwin <bbaldwin@nrsti.on.ca>; Phil Anderson <panderson@nrsti.on.ca>
Subject: RE: WL#2020L8-0001 - Tlicho Highway Water Withdrawal Activation Request for James River and Duport River

Hi Dave,

Thank you for the update. You have our approval to begin withdrawing water from Whatìdèè (La Martre River), James River, and Duport River. The updated hydraulic assessment must be submitted prior to 1700 hours MST on June 30th, 2023.

Mársı | Kinanāskomitin | Thank you | Merci | Hą́ı' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Meaghan MacIntyre-Newell

Pronouns: she/her

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From: Dave.Green1 <Dave.Green1@kiewit.com>
Sent: June 8, 2023 4:05 AM
To: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>; Meg McCluskie <Meg_McCluskie@gov.nt.ca>
Cc: Caroline.Walmsley <Caroline.Walmsley@kiewit.com>; Devon.Stephenson <Devon.Stephenson@kiewit.com>; Clint

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Hello All

Further to my email yesterday ...

I am happy to report that our consultants will be collecting flow data at James River and Duport River on June 9th, 2023 barring any unforeseen delays, after finally receiving the Notification of Research from GNWT. It is our intention to provide the results of the flow measurements as soon as practical after the collection of data. In the interest of ensuring no delays in the calcium chloride application scheduled for June 12th, 2023 we would still appreciate an interim approval to commence water withdrawals from these sources if possible.

Thank you again to all for the assistance we have received in getting this program underway.

Regards

Dave

From: Dave.Green1

Sent: Wednesday, June 7, 2023 6:29 AM

To: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>; Meg McCluskie <Meg_McCluskie@gov.nt.ca>

Cc: Caroline.Walmsley <Caroline.Walmsley@kiewit.com>; Devon.Stephenson <Devon.Stephenson@kiewit.com>; Clint Ambrose <clint_ambrose@gov.nt.ca>; Paul Vecsei <Paul.Vecsei@tlichoc.ca>; Violet Camsell-Blondin <Violet.CamsellBlondin@tlichoc.ca>; Lands <lands@tlichoc.ca>; Brett Wheler (brett.wheler@tlichoc.ca) <brett.wheler@tlichoc.ca>; Anneli Jokela (ajokela@wlwb.ca) <ajokela@wlwb.ca>; Leclerc-Beaulieu, Tatiana <Tatiana.Leclerc-Beaulieu@dfo-mpo.gc.ca>; Beattie, Alasdair <Alasdair.Beattie@dfo-mpo.gc.ca>; Rafael.CastroQuiros <Rafael.CastroQuiros@kiewit.com>

Subject: WL#2020L8-0001 - Tlichoc Highway Water Withdrawal Activation Request for James River and Duport River
Importance: High

Hi Meg et al.

As we discussed yesterday, NSI is looking to commence calcium chloride application on June 12, 2023 and requires the activation of the water sources at James River and Duport River. We respectfully request your approval based on the 2020 flow measurement data which will be updated in 2023 immediately before or shortly after our withdrawal commences. Our consultant has finally secured the necessary licence to collect this flow data after a significant delay resulting from unforeseen engagement challenges. I will update you on their anticipated arrival date to collect the 2023 flow measurements. The results of this flow monitoring will be circulated to all parties within days of the date of the data collection. It is also recognized that we may have fallen a little short of the "formal" 10 day notification requirement (Part C, Condition 4). However it is hoped that the earlier activation of the LaMartre River water withdrawal and described plan on May 22, 2023 satisfied the intent of this condition.

Our previously collected flow measurements (attached) from Duport River conducted in June of 2020 provided us with an instantaneous flow measurement of 52,444m³/day which translates to **5,244m³/day** of water that is permissible

under the ecological flow protections (10%). As you are aware, with the amendment of the current water licence, we are able to again withdrawal a maximum of 900m³/day (from all sources) for dust suppression activities (Part C, Condition 2). Similarly, the flow information collected at James River in June 2020 (attached) provided an instantaneous flow measurement of 249,350m³/day which translates to **24,935m³/day** of water that is permissible under the ecological flow protections (10%). We fully expect that there is enough water at Duport River and in James River in 2023 that the 900m³/day (even if taken all from one of the sources) and we will still not come close to the ecological protection thresholds.

Appropriate fish screen will be installed on the intake lines at James River and Duport River as required per DFO Interim Code of Practice/Guidelines and other permit requirements. As noted in the 2023 LaMartre River water withdrawal activation request, it is our intention to track water withdrawal volumes using water truck load counts from all sources and we will ensure that the 900m³/day permissible under the water licence for dust suppression is not exceeded. Water withdrawals will be fully documented in the Water Licence Annual Report.

~Duport River Intake Location - 11V 508205 6955498

~James River Intake Location - 11V 523833 6928659

Should you require additional information to support this request, please don't hesitate to reach out to myself or Caroline in my absence.

Thank you in advance,

Dave



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