

Kassandra DeFrancis

Subject: FW: WL#2020L8-0001 - Tlich Highway Water Withdrawal Activation Request for James River and Duport River

From: Meg McCluskie <Meg_McCluskie@gov.nt.ca>

Sent: Tuesday, June 13, 2023 2:06 PM

To: Dave.Green1 <Dave.Green1@kiewit.com>; Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@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@tlich.ca>; Violet Camsell-Blondin <Violet.CamsellBlondin@tlich.ca>; Lands <lands@tlich.ca>; Brett Wheler (brett.wheler@tlich.ca)

<brett.wheler@tlich.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@nrsi.on.ca>; Phil Anderson <panderson@nrsi.on.ca>

Subject: RE: WL#2020L8-0001 - Tlich Highway Water Withdrawal Activation Request for James River and Duport River

Thanks the measurements, Dave. Much appreciated.

Meg

From: Dave.Green1 [<mailto:Dave.Green1@kiewit.com>]

Sent: June 10, 2023 3:31 AM

To: Meaghan MacIntyre-Newell; Meg McCluskie

Cc: Caroline.Walmsley; Devon.Stephenson; Clint Ambrose; Paul Vecsei; Violet Camsell-Blondin; Lands; Brett Wheler (brett.wheler@tlich.ca); Anneli Jokela (ajokela@wlwb.ca); Leclerc-Beaulieu, Tatiana; Beattie, Alasdair;

Rafael.CastroQuiros; Blair Baldwin; Phil Anderson

Subject: RE: WL#2020L8-0001 - Tlich Highway Water Withdrawal Activation Request for James River and Duport River

Hi Meg

Thank you for this. As an update, our consultant has completed the instantaneous flow measurements on June 9, 2023. I have received their report and provided only minor comments back for them to address. At this time I can share that the instantaneous flow at Duport River was measured at **86,499m³/day** and James River had an instaneous flow of **99,706m³/day**. Considering our permitted and allowable water withdrawal in terms of permit limit and restriction of 10% of the instaneous flow, these flows do not change our ability to withdrawal sufficient water for dust suppression activities and should not change your decision to allow for withdrawal. I will provide the updated report as soon as it is available.

However, should the flow data collected in 2023 concern you in any way, please contact me at your convenience to discuss.

Regards

Dave

From: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>

Sent: Thursday, June 8, 2023 4:49 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) <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@nr.si.on.ca>; Phil Anderson <panderson@nr.si.on.ca>
Subject: [EXTERNAL] 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.

Mársi | Kinanāskomitin | Thank you | Merci | Hą́ı́' | Quana | Qujannamiik | Quyanainni | Máhsı́ | Máhsı́ | Mahsi

Meaghan MacIntyre-Newell

Pronouns: she/her

Water Resource Officer

North Slave Region

Department of Environment and Climate Change

Government of the Northwest Territories

140 Bristol Avenue

Yellowknife, NT X1A 3T2

Office: 867-767-9187 ext. 24193

Mobile: 867-446-1247

Fax: 867-873-9754

www.gov.nt.ca

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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 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) <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@nr.si.on.ca>; Phil Anderson <panderson@nr.si.on.ca>

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

EXTERNAL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender's name and email address and know the content is safe.

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.wheeler@tlichoc.ca) <brett.wheeler@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 respectively 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



DAVE GREEN, R.T. Biol., R.B. Tech,
Sr. Environmental Manager, North Star Infrastructure
Cell (416)738-7869
Yellowknife Tłı̄chǫ Government Office
4308-50th Avenue, Yellowknife, NT X1A1B5