

FW: Seasonal pH

Erica Janes <ejanes@mvlwb.com>

Wed 31-Jul-2024 9:41 AM

To: Meg McCluskie <mmcluskie@mvlwb.com>

Please post to MV2021L3-0003 – 5 Reports and Studies – Ops & Nots

“City of YK – Correspondence re EQC exceedances at SNP station 0032-F3”

From: Tim Morton <tmorton@yellowknife.ca>**Sent:** Tuesday, July 30, 2024 2:53 PM**To:** Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>; Nahum Lee <Nahum_Lee@gov.nt.ca>; Erica Janes <ejanes@mvlwb.com>; Heather Scott <heather.scott@mvlwb.com>**Subject:** RE: Seasonal pH

It is typical and has been present in the past. Our study of the Fiddler’s Lake Treatment System Study – pH Compliance Point Assessment explained that this was due to the photosynthesis at F3.

The pH at F1, F11, and 32-10 have consistently fallen within the EQC pH range and the July 17th sampling results show that the pH at F3 is 8.19 (meeting EQC).

Mársi | Kinanāskomitin | Thank you | Merci | Haj’ | Quana | ᑭᓄᓐᓂᓐᓂᓐ | Quyanainni | Máhsı | Máhsı | Mahsi

Tim Morton

Manager – Environmental Impact and Regulatory Affairs

Public Works and Engineering

City of Yellowknife

T: 867.920.5677

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yellowknife.ca**I acknowledge that I reside and work in Chief Drygeese territory.**

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From: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>**Sent:** July 30, 2024 2:43 PM**To:** Tim Morton <tmorton@yellowknife.ca>; Nahum Lee <Nahum_Lee@gov.nt.ca>; Erica Janes <ejanes@mvlwb.com>; Heather Scott <heather.scott@mvlwb.com>**Subject:** RE: Seasonal pH

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Thanks for keeping us in the loop Tim. Is this typical or potentially related to the low water levels?

Meg

From: Tim Morton <tmorton@yellowknife.ca>
Sent: July 25, 2024 11:01 AM
To: Meaghan MacIntyre-Newell <Meaghan_MacIntyre-Newell@gov.nt.ca>; Nahum Lee <Nahum_Lee@gov.nt.ca>; Erica Janes <ejanes@mvlwb.com>; Heather Scott <heather.scott@mvlwb.com>
Subject: Seasonal pH

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Good Afternoon Everyone,

We continue to see a slightly elevated pH at F3 with the July 9th samples having a pH of 9.29. All other EQC parameters are well below threshold. Note, the July 9th pH at F1 is 7.96.

Parameter	EQC	Result
CBOD (mg/L)	30	Non-Detect
Fecal Coliforms (FC/100ml)	400	2.0
Oil and Grease (mg/L)	5	Non-Detect
Total Ammonia (mg/L)	15	0.0839
Total Phosphorus (mg/L)	5.0	1.02
Total Suspended Solids (mg/L)	40	Non-Detect

Please let me know if you require any further information.

Mársı | Kinanāskomitin | Thank you | Merci | Haǰı' | Quana | ᑭᓄᓐᑭᓄᓐ | Quyanainni | Máhsı | Máhsı | Mahsi

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