

From: [Tom Bradbury](#)
To: [Chris Petrovic](#)
Cc: [Gary Sodhi](#); [Erik Talbot](#); [Peters, Michelle](#); [Tran, Lisa](#); [Mensah-Yeboah, Felix](#); [Jacqueline Ho](#); [Jamie Steele](#)
Subject: RE: Snap Lake - WISP Discharge
Date: Thursday, September 14, 2023 3:02:32 PM

Hello Chris,

After reviewing the submitted information regarding the request to discharge to Snap Lake, De Beers is hereby authorized a one-time approval to temporarily discharge from the West Influent Storage Pond (WISP) to Snap Lake, until the desired drawdown of 23,000 cubic metres has been achieved, extending over a period of 17-21 days, with the following conditions:

- SNP station 02-17d, SNP 02-20j,k (mixing zone in the Northwest Arm) would become active. De Beers should request a SNP change to an active status. This would be an administrative update.
- De Beers is required to sample in accordance with the necessary SNP station conditions, meet EQC at SNP 02-17d, meet AEMP benchmark at SNP02-20j,k.
- De Beers would also present toxicity data to show the discharge is not acutely toxic in accordance with Part F, Condition 18 (EFFLUENT QUALITY – TOXICITY – WATER TREATMENT PLANTS, INFLUENT STORAGE PONDS).
- Updates to be submitted to the Inspector twice weekly, from commencement of discharge, providing the volume pumped to date, daily flow rate, and pictures of the discharge location to demonstrate no negative impacts to the receiving environment (cc jamie_steele@gov.nt.ca).

If you have any questions, please contact me at (867) 446-4487.

Kind Regards,

Tom Bradbury

Resource Management Officer III / Agente de gestion des ressources
Land & Water North Slave Region / Terre et eaux régional Slave Nord
Department of Environment and Climate Change / Ministère de l'environnement et changements
climatique
Government of Northwest Territories / Gouvernement des TNO
140 Bristol Avenue, Yellowknife, NT, X1A 3T2

Phone: 867-767-9187 ext. 24196

Cell: 867-446-4487

Email: tom_bradbury@gov.nt.ca

From: Chris Petrovic [mailto:Chris.Petrovic@nunagroup.com]
Sent: September 13, 2023 6:58 PM
To: Tom Bradbury
Cc: Gary Sodhi; Erik Talbot
Subject: FW: Snap Lake - WISP Discharge

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.

Hi Tom,

The Snap Lake Team is sending this email as an official request for approval on the temporary West Influent Storage Pond (WISP) discharge plan as discussed today on your site visit. MNJV is looking to reduce the amount of water in the WISP prior to 2023 freeze up and before the permanent WISP passive flow outlet is finished construction and approved by the board. The attached PDF provides information around the discharge plan discussed today.

The 4" Godwin pump will be connected to a 10" HDPE pipe as a control measure to eliminate the potential of ruptures or leaks.

The certificate of analysis from ALS labs of the confirmation sample taken at 02-17D (WISP) is attached to this email and a summary is provided in the table below. The sample passed all parameters in comparison to the EQC.

Can you please advise if this is acceptable and advise if you require any additional information.

Parameters	Effluent Quality Criteria	
	Max average concentration	Max grab concentration
Nitrate (mg/L)	60	80
Total Suspended Solids (mg/L)	15	25
Total Petroleum Hydrocarbons (mg/L)	-	5
Feecal Coliforms	10	20
pH	6.0	9.0

WISP (SNP 02-17d) laboratory measurement – September 5, 2023	
Parameters	
Nitrate (mg/L)	20.8
Total Suspended Solids (mg/L)	1.6
Total Petroleum Hydrocarbons (mg/L)	< 0.380
Feecal Coliforms (MPN/100 mL)	1
pH	7.97

Regards

Chris Petrovic
Senior Project Manager

Nuna Group of Companies
14, 6194 - 50 Street NW, Edmonton, AB T6B 2N7
E chris.petrovic@nunagroup.com | T 780.238.8121

NunaGroup.com | Building Beyond Boundaries

NOTE: My email address has changed - please update your records

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Nuna Group of Companies**