### YEAR BEING REPORTED: 2022

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water License # 3BM-GRI2025 issued to the Municipality of Grise Fiord.

 i) - iii) tabular summaries of all data generated under the "Monitoring Program"; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Attached are quantities of water used as reported in our On Tap Water Delivery System and the estimated discharge of sewage waste.

Month Reported	Quantity of Water Obtained from all sources (m³)	Quantity of Sewage Waste Discharged (Estimated)
January	480,628	Same
February	416,732	Same
March	460,233	Same
April	470,910	Same
Мау	453,718	Same
June	385,958	Same
July	366,799	Same
August	464,775	Same
September	426,054	Same
October	417,637	Same
November	436,221	Same
December	421,661	Same
ANNUAL TOTAL	5,201,326	Same

Note: The water consumption volume is considered equal to the sewage discharge volume because there is no meter at the end of the discharge pipe.

iv. A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;

During 2022 construction season, raw water Tank #3 foundation gravel pad and steel floor plate had been repaired. Tank #1 had been completely refurbished and reinstated back in service

v. A list of unauthorized discharges and summary of follow-up action taken;

No unauthorized discharges for the infrastructure under licence 3BM-GRI2025 occurred in 2022.

vi. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year.

No abandonment and restoration work were conducted during this reporting period.

vii. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;

Second planning contract to assess and prioritize the improvements to the current Solid Waste Site has been awarded and it is expected to be completed by the end of June 2023.

Contract for design of new Water Treatment Plant which will include new water intake and storage infrastructure has been awarded. Design is expected to be completed within fiscal year 2023/24.

viii. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

None

Ix Updates or revisions to the approved Operation and Maintenance Plans.
None

### ix. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

CGS will work with Municipality during summer 2023 to ensure all sampling requirements under the water license are met.

. Structural and steel inspection of the tank #2 was completed in February 2023. As per API 653 inspection report, pinholes in tank's floor need to be repaired. Steel floor repair work has been contracted. Tank #2 repairs are scheduled to be completed on time to meet freshwater resupply availability.

#### x. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

CGS will work with Municipality to correct items identified in CIRNAC's report as non-compliant or action required.

**Appendix A: GRI-4 Effluent Quality Limits** 

**Appendix B: Certificate of Analysis** 

**Appendix C: Hazardous Materials Spill Database, Grise Fiord 2022** 

**Appendix D: Grise Fiord 2022 CIRNAC Inspection Report** 

## **Appendix A**

### **GRI-4 Effluent Quality limits**

Parameter	Maximum Concentration of any Grab Sample	DATE
BOD₅	120 mg/L	
Total Suspended Solids	180 mg/L	
Fecal Coliform	1x10 <sup>6</sup> CFU/100 mL	
Oil and Grease	No visible sheen	
рН	Between 6 and 9	

Community did not use proper sampling bottles and no COC was sent along with bottles. CGS is going to try to ensure that proper sampling procedures are followed in 2023/24 fiscal year.

Please see email chain communication between CGS and CADUCEON in Appendix B

### Appendix B

Hey Kayla,

I was just going to message Marty. It took me a min to track down what happened to those samples.

It looks like the wrong bottles were used and no COC was sent along with the bottles. We called Grise and it was determined that the samples were to be thrown away and that they would resample.

I am so sorry it took me so long to find the information.

Thanks,

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice Sample Supply Surcharge Notice\*\*\*

Kristine Cavanagh | Client Services Representative Caduceon Environmental Laboratories
2378 Holly Lane | Ottawa, ON, Canada K1V 7P1

Tel: (613) 526-0123 | Cell: (819) 230-9605



From: Clouter, Kayla

Sent: Friday, November 4, 2022 11:08 AM

To: Kristine Cavanagh
Cc: Marinic, Gord

Subject: RE: Baffin - Summer water licence program

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

Hi Kristine,

I just want to follow up on one more thing. Grise Fiord had sent one round of wastewater and leachate samples to the lab on July 15th as per the attached email and it doesn't seem like anyone has any records of analysis. I know Marty had sent an email regarding the results yesterday, but I figured having the waybill number might help us get things figured out. It did take quite some time for the samples to get to the lab – they were collected and shipped on July 15<sup>th</sup> and weren't picked up from cargo until the 25<sup>th</sup> due to inconvenient flight schedules from Grise. I'm just wondering if time may have played a factor in the samples being analysed or if something else may have happened.

Thanks! Kayla

### Kayla Clouter, CET, EPt Pともこ

Tel: (867) 975-5476 E-mail: kclouter@gov.nu.ca

From: Kristine Cavanagh < kcavanagh@caduceonlabs.com >

**Sent:** November 1, 2022 9:15 AM

**To:** Clouter, Kayla < < <a href="MCIOUTER">KCIOUTER @GOV.NU.CA</a> <a href="MCIOUTER">Cc: Marinic, Gord < <a href="MCIOUTER">GMarinic@GOV.NU.CA</a> <a href="MCIOUTER">Commarinic@GOV.NU.CA</a>

Subject: RE: Baffin - Summer water licence program

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

No worries. Going forward for ANY (drinking water, bacteria, waste water & Leachates) you both will be on the distribution lists 
 I know it's a large program and lots of reports and communities you both are taking care of.

Speaking of distribution lists. I have been working on compiling the contacts we have for each community and updating with all the contacts that have been requested to be added in the last little bit. I will send over for review once I complete that as well.

Т	ha	ar	١k	S.

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice <a href="Sample Supply Surcharge Notice">Sample Supply Surcharge Notice</a>\*\*\*

### Kristine Cavanagh | Client Services Representative

**Caduceon Environmental Laboratories** 

2378 Holly Lane | Ottawa, ON, Canada K1V 7P1 Tel: (613) 526-0123 | Cell: (819) 230-9605



From: Clouter, Kayla

Sent: Tuesday, November 1, 2022 9:04 AM

To: Kristine Cavanagh
Cc: Marinic, Gord

Subject: RE: Baffin - Summer water licence program

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

Good morning,

Yes, please reissue the reports as we require them to be in compliance when we submit our annual reports.

So sorry again for all of the confusion!

Thanks, Kayla

### Kayla Clouter, CET, EPt

### **بر 4ر⊳**⊃

Tel: (867) 975-5476 E-mail: <u>kclouter@gov.nu.ca</u>

From: Kristine Cavanagh <a href="mailto:kcavanagh@caduceonlabs.com">kcavanagh@caduceonlabs.com</a>

**Sent:** November 1, 2022 8:52 AM

**To:** Clouter, Kayla < < <a href="mailto:KClouter@GOV.NU.CA">KC: Marinic, Gord < <a href="mailto:GMarinic@GOV.NU.CA">GMarinic@GOV.NU.CA</a>

Subject: RE: Baffin - Summer water licence program

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

Hi Gord & Kayla,

Would you like me to re-issue all the other reports?

Thanks,

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice <a href="Sample Supply Surcharge Notice">Sample Supply Surcharge Notice</a>\*\*\*

# Kristine Cavanagh | Client Services Representative Caduceon Environmental Laboratories

2378 Holly Lane | Ottawa, ON, Canada K1V 7P1

Tel: (613) 526-0123 | Cell: (819) 230-9605



From: Clouter, Kayla

Sent: Monday, October 31, 2022 4:14 PM

To: Kristine Cavanagh
Cc: Marinic, Gord

Subject: RE: Baffin - Summer water licence program

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

HI Kristine,

Apologies for all of the confusion. I've gone back through my own emails, as well as the shared email that was provided to Caduceon to receive reports for all communities beginning with the original bottle order I made in June.

I've searched using individual email addresses we commonly receive reports from, as well as any email containing "Caduceon" and the only reports I have for wastewater and leachate are as follows:

July 7: B22-19570 for Resolute Bay July 11: B22-20026 for Pangnirtung July 25: B22-22371 for Kinngait July 26: B22-22370 for Kinngait

Thanks, Kayla

### Kayla Clouter, CET, EPt

#### **بر وح⊳**⊃

From: Marinic, Gord < <a href="mailto:GMarinic@GOV.NU.CA">GMarinic@GOV.NU.CA</a>>

Sent: October 31, 2022 4:04 PM
To: kcavanagh@caduceonlabs.com

Cc: Clouter, Kayla < KClouter@GOV.NU.CA>

Subject: FW: Baffin - Summer water licence program

Hi Kristine,

Apologizing for trying to create more unnecessary work for you, I am including Kayla into our conversation.

Hope we can resolve obvious report submission glitch.

Cheers

G.

**From:** Kristine Cavanagh < kcavanagh@caduceonlabs.com >

Sent: October 31, 2022 3:57 PM

To: Marinic, Gord < GMarinic@GOV.NU.CA >

Subject: RE: Baffin - Summer water licence program

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

Hey Gord,

The distribution lists we asked for Kayla to update is for the bacteria reporting. Our Bacteria is currently the only parameter we are running using the new computer system.

All the waste water and leachates were run using our old/current computer system and the distribution lists for that are working amazing.

I can confirm that Kayla would have been sent all those reports as well.

Let me know if you would still like me to re-issue the reports to you.

Thanks,

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice <a href="Sample Supply Surcharge Notice">Sample Supply Surcharge Notice</a>\*\*\*

# Kristine Cavanagh | Client Services Representative Caduceon Environmental Laboratories

2378 Holly Lane | Ottawa, ON, Canada K1V 7P1





From: Marinic, Gord

Sent: Monday, October 31, 2022 3:49 PM

**To:** Kristine Cavanagh

Subject: RE: Baffin - Summer water licence program

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

Hi Kristine,

Megan is on leave-can not confirm whether she received the reports or not.

However, talking to Kayla, she mentioned that there is a new delivery system for lab reports and that she is working on compiling a list of emails for appropriate distribution of lab reports for each community. Perhaps she did not receive the reports due to this new system?

The only reports we have received are:

Kinngait: B22-22370 and B22-22371

Pangnirtung: B22-20026 Resolute Bay: B22-19570

Thank you Gord

From: Kristine Cavanagh < kcavanagh@caduceonlabs.com >

**Sent:** October 31, 2022 3:27 PM

To: Marinic, Gord < <a href="mailto:GMarinic@GOV.NU.CA">GMarinic@GOV.NU.CA</a>>

Subject: RE: Baffin - Summer water licence program

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

Hi Gord,

I can compile this for you. However, due to these already being issued out to multiple people I will need to charge 5\$ per report. I believe Kayla Clouter and Megan Lusty have been on all the distribution lists.

Let me know if this something you want to proceed with  $\bigcirc$ 



Thanks,

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice Sample Supply Surcharge Notice\*\*\*

**Kristine Cavanagh | Client Services Representative** 

**Caduceon Environmental Laboratories** 

2378 Holly Lane | Ottawa, ON, Canada K1V 7P1

Tel: (613) 526-0123 | Cell: (819) 230-9605



From: Marinic, Gord

Sent: Monday, October 31, 2022 3:16 PM

To: Kristine Cavanagh

Subject: RE: Baffin - Summer water licence program

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

Hi Kristine, Can you please forward me the reports? Thank you Gord

From: Kristine Cavanagh < kcavanagh@caduceonlabs.com >

Sent: October 31, 2022 2:46 PM

To: Marinic, Gord < GMarinic@GOV.NU.CA >

Subject: RE: Baffin - Summer water licence program

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

Hi Gord,

The totals for tests (Waste Water and Leachates) we completed for the communities is as follows:

Arctic Bay – 4 WW, 1 Leachate Clyde River – 5 WW, 1 Leachate Grise Fiord – Nothing Igloolik - 2 WW Kimmirut – 3 WW, 2 Leachate

Kinngait – 2 WW, 1 Leachate
Pangnitung – 2 WW, 3 Leachate
Pond Inlet – 2 WW 1 Leachate
Qikiqtarjuaq – 2 WW
Resolute Bay – 4 Leachate
Sanikiluaq – sends to ALS Winnipeg
Sanirajak – 3 WW

Let me know if there is anything else I can help with!

Thanks,

Kristine

\*\*\*Effective September 13, 2021, there will be an additional Sample Supply Surcharge of 5% applied to every invoice Sample Supply Surcharge Notice\*\*\*

Kristine Cavanagh | Client Services Representative Caduceon Environmental Laboratories
2378 Holly Lane | Ottawa, ON, Canada K1V 7P1

Tel: (613) 526-0123 | Cell: (819) 230-9605



# **Appendix C**

As per Environmental and Natural Resources Spills recorded data, there are no recorded Hazardous Materials Spills in Grise Fiord 2022

# **Appendix D**



### WATER LICENCE INSPECTION FORM

Original Follow-Up Report

Licensee Licensee Represent			tative	
Hamlet of Grise Fiord Gord Marinic				
Licence No. / Expiry	icence No. / Expiry Representative's Title			
3BM-GRI2025		Regional Eng		
Land / Other Authorizations	L	and / Other Auth	orizations	
Date of Inspection		nspector		
July 5, 2022	J	oseph Mon	teith	
Activities Inspected  Camp  Drilling	Mining	☐ Constructi	on $\square$ Reclam	aation
	er Source, Waste Treatment	Other:	on Reciain	iation in the Storage
Facility, and Solid Wast	e Facility			
Conditions: A- Acceptable	<b>U-Unacceptable</b>	C-Concern	NI-Not Inspecte	ed NA- Not applicable
PART:			Condition	Observation No.*
A: SCOPE, DEFINITIONS AND ENFORCEME	NT		NA	
B: GENERAL CONDITIONS			А	
C: CONDITIONS APPLYING TO SECURITY			NI	
D: CONDITIONS APPLYING TO WATER USE			Α	1-9
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT			С	10-21
F: CONDITIONS APPLYING TO MODIFICATIONS			NI	22-24
G: CONDITIONS APPLYING TO CONSTRUCTION			Α	
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY			Α	
PLANNING				
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND			NI	
CLOSURE PLANNING				
J: CONDITIONS APPLYING TO MONITORING			Α	
SCHEDULES			Α	
*The item number corresponds with specific conditions within the licence and the observation number corresponds with specific				
comments provided below.				
	Location(s): N76 25 3	2.5 W82 54 31		
Samples taken by Inspector:				
☐ Yes ⊠ No				

SECTION 1	Comments (s)	Non-Compliance with Act or Licence (s)	Action Required (s)
			•

### **BACKGROUND**

The Hamlet of Grise Fiord is a small community located on the southern tip of Ellesmere Island at Latitude 76°25'N and Longitude 83° 01'W, within the Qikiqtani Region of Nunavut. The Community is located approximately 320 km NE of Resolute. The Community is situated on a narrow strip of beach near the mouth of Grise Fiord. Surface soils in the area consist of free-draining gravel deposits. The depth of the active layer of permafrost is approximately 0.6m.

The Hamlet is responsible for providing municipal services to its estimated 178 (2020) residents, including potable water supply, sewage treatment, and solid waste management, partly in the context of a water licence issued by the Nunavut Water Board (NWB or Board) to the Hamlet. The potable water source for the community is a stream of glacial runoff which lasts for about 45 to 50 days a year during the summer from mid-June to beginning of August, resupplying two storage tanks through gravity feed. These storage tanks were built in 1986 (Tank A) and 2002 (Tank B) and have a capacity of 4,000 m3 each. The Community has a secondary water source (Airport River) about 300 m away from these tanks.

The Hamlet of Grise Fiord is licenced to withdrawal 7,700 cubic metres per annum, and less than 300 cubic metres per day.

### **Inspector Statement**

On July 5, 2022, a water licence inspection by Water Resource Officer (WRO) Joseph Monteith was conducted at the Hamlet of Grise Fiord, Qikiqtani Region, Nunavut.

### **General Conditions**

On August 19, 2020, Richard Dwyer, Manager of Licensing, Nunavut Water Board emailed WRO Monteith with a copy of the Hamlet of Grise Fiord's 2020 Annual Report, satisfying the general conditions to submit an annual report.

WRO Monteith reviewed the Nunavut Water Board Public Registry and found the submission of the 2021 Annual Report.



Link migrates webpage to a blank page.

### **Water Use and Related Structures**

- 1. Water withdrawal is conducted from a glacier run-off stream that meanders down to the Hamlet of Grise Fiord from the mountain above Grise Fiord. A pond with walls that extend up approximately a metre and a half catches water run-off, and pools up. Fencing was being erected around the ponds at the time of the inspection. Due to the repairs to the storage tank, water truck withdrawal was required. No sign of fish mesh screen (photo 1,3,4).
- **2.** At the time of the inspection a yellow triangle sign was observed titledGRI-1. A monitoring station as listed in the water licence.
- **3.** The secondary water source at airport river was observed with a water pump and hose (photo 2). The hose from the water pump deposited the water in the water reservoir.
- **4.** A 4 inch HDPE piping with a Fish Mesh Screen extends into the pond through the pond walls.
- 5. The single walled piping from the water source to the water storage tank has multiple holes in the piping, patched only by screwing in screws with the rubber washers built into the screws. At the time of the inspection no signs of leaks in the pipes were noted. The length of piping from the pond to the water treatment facility is approximately 173 metres. The pipe changes into a flexible hose before it goes into water treatment facility. A green hose was observed.
- **6.** The Water Treatment Plant , and its inner pipes (photo 5,6,7,8).
- 7. Couldn't get flow meter readings in the water treatment plant. Got Totalizer amount on the community water truck (photo 9).
- **8.** On October 7, 2022 Daryl Dibblee, Hamlet of Grise Fiord, NU emailed WRO Monteith with the water usage typed into the body of the email (Photo 18). In the email it showed the Water Usage Record from January 1, 2022 to September 30, 2022 shows that the community withdrew 3,924,055 Litres. Below the authorized amount of 8000m<sup>3</sup>.
- **9.** Water Storage Tank under repair. Equipment outside of tank (photo 10,11).
- **10.** A bridge crossing was inspected within the community. No signs of erosion on the banks or sedimentation were observed in the fresh water. Buildup of sand was observed on the bridge. This buildup has the potential to spill over into the fresh water. A containment wall should be fixed onto the bridge, and maintained to prevent sedimentation into the river. (photo 17).

### **Waste Water Treatment Facility**

- **11.** The amount of waste deposited at the sewage lagoon should match the amount withdrawn from the potable water source, but doesn't take into account the amount water use such as dust suppression, which cannot be calculated as the same amount discharged at the sewage lagoon waste water. At the time of the inspection no record of waste deposited at the lagoon was observed (photo 13).
- **12.** The walls of the sewage lagoon appeared to be working as intended, with no signs of erosion or leaks. The freeboard was above the 1 metre freeboard on the south wall (photo 13).
- **13.** Two yellow triangle signs titled GRI-3 and GRI-4 was observed. GRI-3 was observed at the sewage lagoon. GRI-4 was observed down slope of the sewage lagoon indicating monitoring sites.
- **14.** Notification of intention for decanting was emailed to WRO Monteith on June 29, 2022. No sample results were provided. A spill report is required for unauthorized discharge of waste.

### **Solid Waste Facility**

- **15.** The Solid Waste Facility was loosely segregated into Woods, Metals, Hazardous Wastes and Burnable Wastes (photo 14).
- **16.** The burnable waste is open pit burned, pushed off the end of that section then capped with soil. No fencing around the burnable waste.
- **17.** The bulk metals contain white waste, and metal from construction. Hazardous Waste was observed at this site (photo 16).
- **18.** Wood waste was segregated, probably for the purpose of allowing the community help themselves to the wood wastes (photo 15).
- **19.** The Hazardous Waste sea can is mixed with the bulk metal waste. Lots of hazardous waste observed within the bulk metals (photo 16).
- **20.** A yellow triangle sign titled GRI-2 was observed, which indicated a monitoring site. No Samples were taken on this inspection.

### Spill Report 2018-088

- **21.** A follow up on Spill Report 2018-088 is still listed as "Open" and is led by the Government of Nunavut. The spill occurrence of 3100 Litres from the Qulliq Energy Corp. power station happened on March 16, 2018. The GN is the lead due to it being outside any of the facilities of the water license. The spill had migrated to a fresh water pond then out to the ocean. A follow up with the GN, on their investigation will determine our course of action.
- 22. A spill was observed adjacent to the repair of the water storage tank. It is unknown whether the spill is



within the property of facilities authorized by this water license. The spill isn't in close proximity to a water body (photo 12).

Non-Compliance with Act or Licence **SECTION 2** Comments

The following information is a summary of the actions Required by the licensee to promote and ensure compliance:

- Consolidate Hazardous Waste from Solid Waste Facility and deposit into Hazardous Waste section (photo 9).
- Build a containment wall on the bridge to mitigate the amount of soil falling into the river and causing. sedimentation (photo 5).
- Erect fencing around the open pit burning section of the Solid Waste Facility to manage wind-blown litter (photo
- Separate bulk metals, bulk wood, domestic waste, and hazardous waste to be in line with National Standards for the management of Solid Waste Facilities.
- Consider a plan to divert surface water run off away from Solid Waste Facility to mitigate the amount of wastes migrating to the receiving marine environment.
- Email joseph.monteith@rcaanc-cirnac.gc.ca notifying the inspector the intent to decant the sewage lagoon.
- Send WRO Monteith sample results ahead of a decant of the sewage lagoon.
- Verify whether there is Fish Mesh Screen on the intake hose at Airport River secondary water source, and the water source with the green hose.

Non-Compliance with Act or Licence **SECTION 3** Comments **Action Required** 

### Part C: Conditions Applying to Water Use

Item 5. The Licensee shall implement sediment and erosion control measures, prior to and during operations, to prevent entry of sediment into Water.

### Part D: Conditions Applying to Waste Disposal

Item 2. The Licensee shall provide a minimum of ten (10) days' notice to an Inspector prior to initiating any decant of the Sewage Disposal Facility.

Item 4. The Licensee shall maintain at all times, a Freeboard of at least 1.0 metre, or as recommended by a qualified Geotechnical Engineer and as approved by the Board in writing, for all dams, dykes or other structures intended to contain, withhold, divert or retain Water or Waste.

Item 6. The Licensee shall manage all solid Waste disposed of at the Solid Waste Disposal Facility in accordance with acceptable standard and practices.

Item 8. The Licensee shall segregate and store all hazardous materials and/or hazardous Waste within the Solid Waste Disposal Facility in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility.

### Part F: Conditions Applying Operation and Maintenance

Item 6. The Licensee shall, during the term of this Licence, undertake the following activities in addition to any other required action should an unauthorized discharge of waste occur or if such a discharge is foreseeable:

- a. Employ the appropriate contingency measures as approved under the Spill Contingency Plan for the Hamlet of Grise Fiord;
- b. Report the incident immediately via the NWT/NU 24-Hour Spill Reporting Line at (867) 920-8130 and to the Inspector at (867) 975-4295; and
- c. Submit to the Inspector, a detailed report on each occurrence, not later than thirty (30) days after initially reporting the event, that provides the necessary information on the location (including the GPS coordinates), initial response action, remediation/clean-up, status of response (ongoing, complete), proposed disposal options for dealing with contaminated materials and preventative measures to be implemented.

Licensee or Representative	Inspector's Name
Gord Marinic	Joseph Monteith
Signature	Signature
	Just Martill.
Date	Date
	December 14, 2022

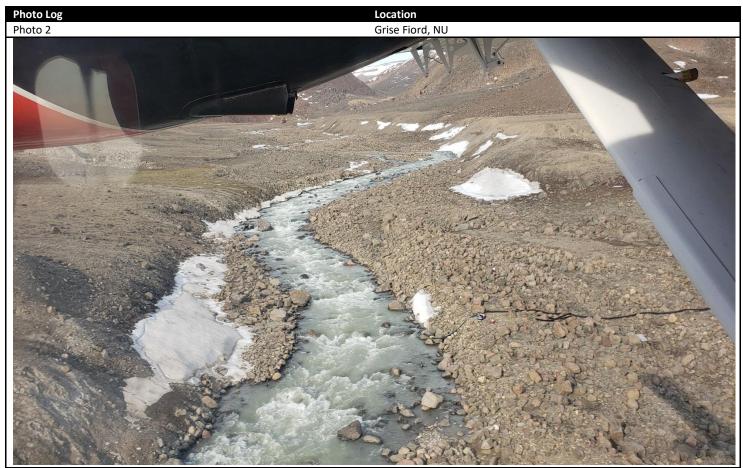
CC: Licensing Department, NWB

Jeremy Fraser, Manager of Field Operations, CIRNAC



### PHOTO LOG

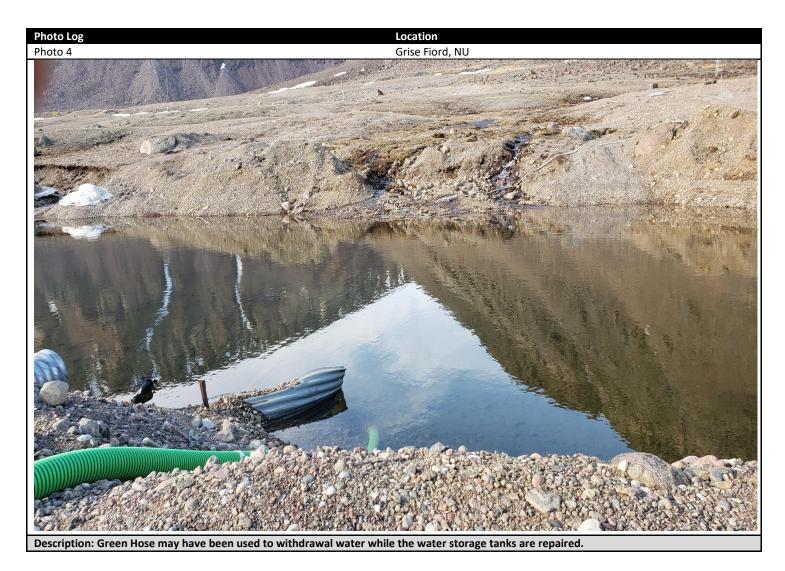




Description: Secondary Water Withdrawal from Airport River. Water pumps and hoses observed in place. Hose goes from Water pump to Water Reservoir.



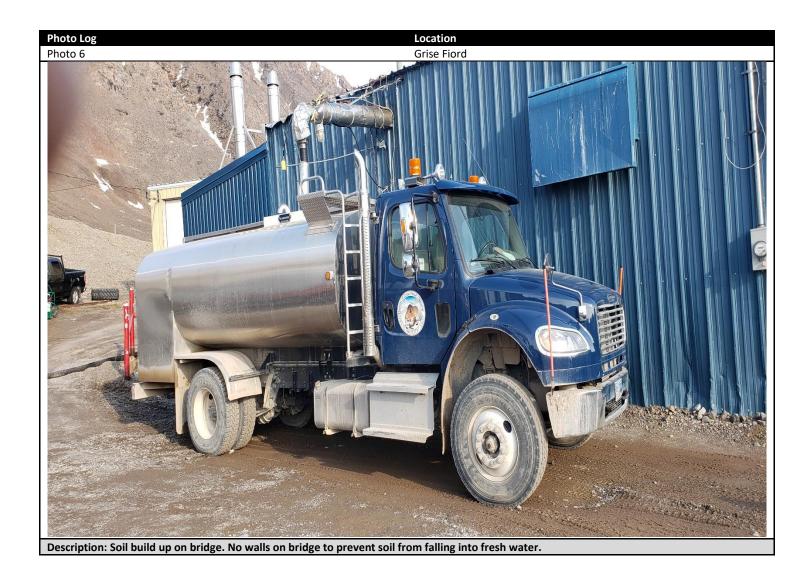




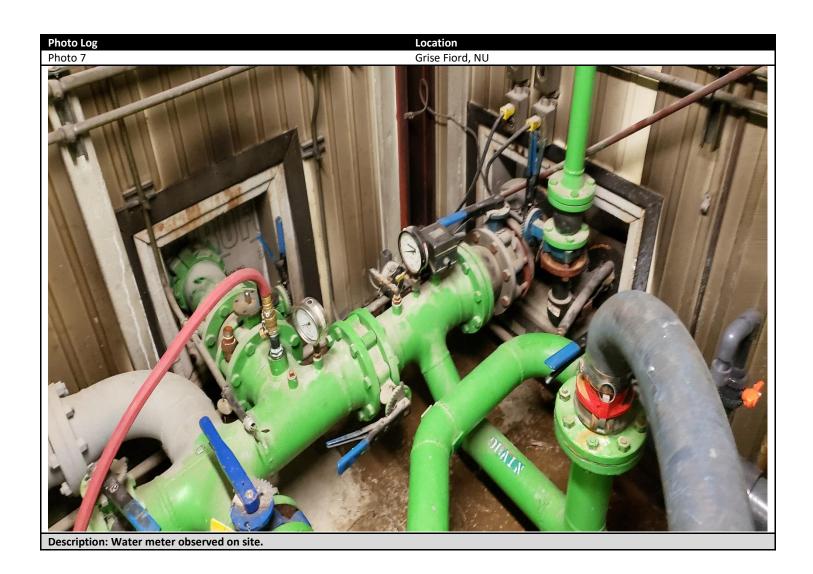




Description: 3x Water Storage Tanks. 2 of 3 Water Storage Tanks damaged. Of the 2 damaged storage tanks, 1 was being repaired (left tank). The other decommissioned (right tank).

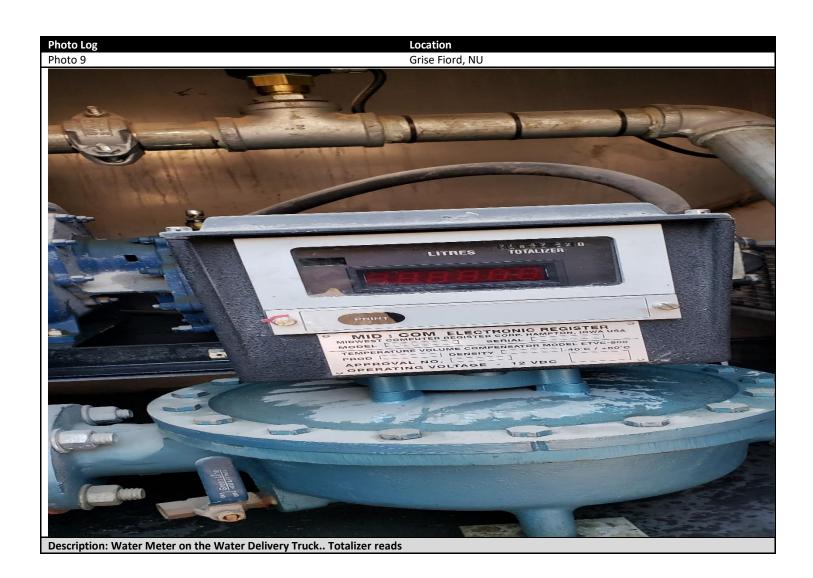


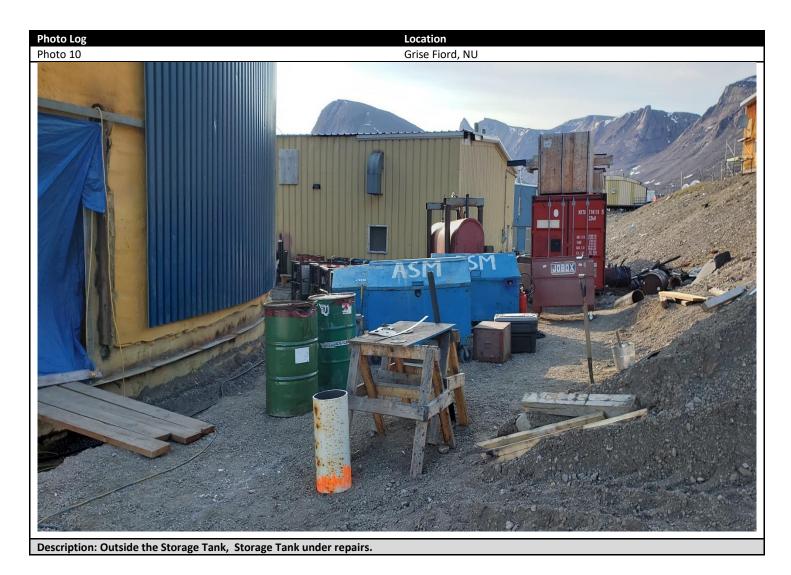
























Description: Pile of waste. Bulk woods, mixed with Styrofoam, bulk metals, petroleum carrying jerry cans, and domestic waste. Surface water observed.











Photo Log
Photo 18
Location
Grise Fiord, NU

From: Grise Fiord SAO <gfsao@qiniq.com> Sent: Friday, October 7, 2022 2:07 PM

To: Monteith, Joseph <joseph.monteith@rcaanc-cirnac.gc.ca>

Cc: Marty ASAO <gfasao@qiniq.com> Subject: RE: Water Usage Records

2022

Jan 480,628 Feb 416,732 March 460,233 April 470,910 May 453,718

June385,958

July366,799

August 464,775

September 424,302

Yes decanting was completed in Early summer Marty will forward details, he is copied He is in course

Daryl Dibblee

Description: Water Usage Record from January 1, 2022 to September 30, 2022. Shows 3,924,055 Litres

