



Outlook

[EXTERNAL] Re: NIRB 26YN021: Clarifications

From Lieblappen, Ross M.**Date** Thu 2026-04-16 9:40 AM**To** Mia Beattie <mbeattie@nirb.ca>**Cc** nirb info <info@nirb.ca>; Viren Nasit <vnasit@nirb.ca>

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Hi Mia,

Sure, here you go:

The complete fuel and hazardous materials profile associated with ATV's, drilling, and logistical activities (including storage and handling locations), and provide a brief description of spill prevention and response measures appropriate to remote field operations.

At both Eureka and Resolute, they have spill response kits. In the event of a spill, we would use this kit to clean up any fuel. Our ATVs will only be filled at base while in Resolute. In Eureka we will be accessing sites via foot. Our auger only has a tank for about 2 gallons of gas that we will fill back at base. If for some reason that we needed to refuel while at a coring site, we would bring 2 gallons of fuel with us and fill over a plastic tote or Yeti cooler to catch any potential spill. Note that our drilling does not require any fluids in the ground. None of the chemicals that we bring into the field to our coring sites have any hazardous materials.

Field waste handling, sample-packaging disposal, equipment decontamination, and the expected condition of each site following completion of coring activities.

At our coring sites in the field we will have no field waste. The holes we drill are at most 2 m long and 9 cm in diameter. No drilling fluid is required. After collecting our core, we will replace any of the active layer soil that we disturbed and backfill the whole. Afterwards there will be essentially no sign of our coring activities. Cores are placed in plastic sleeves that we will provide and all material will be removed from the field with us.

Let me know if you have any follow up questions.

Cheers,

Ross

Ross Lieblappen (he/him)

Associate Professor

Natural Science Department

<https://vermontstate.edu/centers-research/draco/>

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VermontState.edu

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From: Mia Beattie <mbeattie@nirb.ca>

Sent: Wednesday, April 15, 2026 5:06 PM

To: Lieblappen, Ross M.

Cc: nirb info <info@nirb.ca>; Viren Nasit <vnasit@nirb.ca>

Subject: NIRB 26YN021: Clarifications

Good afternoon, Ross,

The NIRB has received comments for your file and would like to have clarification on the following items before completing the next steps for your file.

Please clarify:

- The complete fuel and hazardous materials profile associated with ATV's, drilling, and logistical activities (including storage and handling locations), and provide a brief description of spill prevention and response measures appropriate to remote field operations.
- Field waste handling, sample-packaging disposal, equipment decontamination, and the expected condition of each site following completion of coring activities.

Please provide a response by Friday April 17, 2026.

Thank you for your time and consideration of these requests.

Best regards,

Mia Beattie

Impact Assessment Officer

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