



WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Authorization Holder	Authorization Holder Representative
Forum Energy Metals	Martin Kulla/Bogart Cross
Authorization No. / Expiry	Representative's Title
2BE-NUP2227/October 12, 2027	Project Geologist/Camp Manager
Other Authorization No. / Expiry	
N2022C0008/August 29, 2027	
Date of Inspection	Inspector
July 14, 2024	RMO Kyle Amsel
Activities Inspected	
☒ Camp	☒ Drilling
☐ Roads/Hauling	☐ Mining
	☒ Construction
	☐ Other: Exploration
	☐ Reclamation
	☒ Fuel Storage
	☐ Other:

SECTION 1	☒ Comments (s. __)	☐ Non-Compliance with Act or Licence (s. __)	☐ Action Required (s. __)
On July 14, 2024 Resource Management Officer Kyle Amsel (Inspector) for Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) conducted an Inspection of Water Licence 2BE-NUP2227 (Licence) issued to Forum Energy Mentals (Licensee). Preliminary Information The purpose of this inspection was to ensure compliance with conditions of the Water Licence. The camp is solely located on Inuit-Owned Land and drilling operations as well as the Loki site are on Crown Lands. Observations 1) Loki Site at N64° 22' 37" W98° 11' 57" a) This was a temporary laydown used by the Permittee for the 2023 work season. It consists of a small naturally occurring strip used by DHC-3 Otter aircraft, a large berm with 6 full and 12 empty drums, spill kit, skid of calcium chloride covered in a tarp. 2) Main Camp located on the shores of Aberdeen Lake at N64° 23' 33" W98° 28' 01" a) The newly constructed camp is in clean condition. Despite portions being under construction there is no waste or debris laying about the camp. The camp has a capacity of 30 persons and at the time of inspection housed 25 persons. b) An Incinerator is used to handle food wastes c) A grease trap is present on the Kitchen waste system and all grey water is consolidated to the grey water sump at N64° 25' 31.74" W98° 27 57.42" d) Human waste at camp is divided as follows: i) A shack houses the Incinolet toilettes which burns the feces ii) A separate shack houses a urinal which reports to the grey water sumps. e) Fresh Water is collected directly from Aberdeen Lake with a gas powered pump. A screen is in place as required under Part C Item 5 of the Licence. 3) Fuel Storage and management a) Jet Fuel is stored in three large double wall tanks, the inspector noted that secondary containment is not located under the fuel piping and refuel station. b) Small quantities of fuel drums are present throughout the site not in secondary containment. c) A small fuel trailer is used at the camp to refuel smaller appliances around the camp. Though the tank itself is double walled the pump, and hoses do not have secondary containment. 4) Drilling a) Drilling this summer is occurring at the Tatigaaq drilling area and two drills were running at the time of Inspection. One small pond nearby was supplying water for both drills. b) The Permit is displayed at each drill c) Small amounts of garbage were found during the inspection of the drills. d) Cuttings for both drills is currently being placed at N64° 20' 29.54" W97° 59' 11.41". Representatives stated that all cuttings from the operation are placed in this sump which is a remnant from a previous operation in the area. The Inspector notes that this a very poor sump location. The sump appears as a pile of cuttings upon the ground at least two feet high in the center and spreading out over 100 feet. Non-mineralized cuttings are placed in mega bags from the drill and then with a helicopter dumped onto the cuttings sump by puncturing the bag with a spike at the cuttings sump. e) Mineralized cuttings are stored in mega bags in the vicinity of the non-mineralized cuttings sump. f) Reclaimed drill sites at the Ned drill area were inspected and found to have been appropriately reclaimed. g) Water meters were in place on drills as required under Part B item 4. The meters of the two drills read 1188.52m3 & 733.09m3. 5) The 2023 annual report is available for review on the Nunavut Water Board Site however water use fees are not paid to date. 6) The Inspector notes that the waste backhaul records are in-adequate. Part D Item 8 of the Licence states "The Licensee shall maintain records of all Waste backhauled and records of confirmation of proper disposal of backhauled Waste. These records shall be made available to an Inspector upon request" The provided records indicate the type and weight/volume of waste and final destination, but no information as to the type of facility.			



SECTION 2	☐ Comments (s.____)	☒ Non-Compliance with Act or Licence (s.2)	☐ Action Required (s.____)
Failure to comply with Licence - Part F Item 3, failure to contain cuttings in appropriate sump or natural depression - Part B Item 1, failure to pay water use fees			
SECTION 3	☐ Comments (s.____)	☐ Non-Compliance with Act or Licence, (s.____)	☒ Action Required (s.3)
The Licensee shall: - Use appropriate sumps or natural depressions to dispose of cuttings - Ensure appropriate records are maintained of backhauled waste and their final disposal - Contact the Nunavut Water Board to pay for any outstanding fees associated with the Licence			

Licensee or Representative	Inspector's Name
Martin Kulla	RMO Kyle Amsel
Signature	Signature
Date	Date
October 22, 2024	October 21, 2024

Office Use Only:	Follow-up report to be issued by Inspector	☐ Yes ☒ No
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PHOTO LOG			
Date:	Authorization Number:	Camera/Model:	Inspector
July 14, 2024	2BE-NUP2227	Sony DSC-HX50V	RMO Amsel
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)		
Photo 1	N64° 23' 24.3" W98° 26' 12.8"		
Description:			
Forum Camp. Sand area in forefront is natural strip for Turbin Otter Aircraft. Camp in background. Weather haven tents on left side are for kitchen and accomodation, while blue roof tents on right are core shacks. Three white fuel tanks behind core shacks. Heli pads are co-located to fuel tanks on far side of tanks. Top right of photo with small red items are drilling equipments.			



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2	N64° 23' 35.0" W98° 27' 4.4"



Description:
As above, Forum Camp. Weather haven tents on left side are for kitchen and accomodation, while blue roof tents on right are core shacks. Three white fuel tanks behind core shacks. Heli pads are co-located to fuel tanks on far side of tanks. Top right of photo with small red items are drilling equipment staged for slinging. One left of photo, generator shacks and incinerator.

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3	N64° 22' 25.4" W98° 11' 31.4"



Description:
Loki Laydown. Note that drums are not within the berm as they were actively being used.



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 4	NA
	
Description: Cuttings sump. Note cuttings are not contained and spreading to surrounding lands.	

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 5	N64° 23' 29.5" W98° 27' 51.9"
	
Description: Incinerator.	



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 6	N64° 23' 32.1" W98° 27' 56.9"



Description:
Grey water sumps.

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 7	NA



Description:
Screen on water intake.