

## **Appendix 5 – Inspection Reports**



☒ Original

☐ Follow-Up Report

CROWN LAND USE INSPECTION FORM

Permittee	Representative
APEX geoscience	Christopher Livingstone
Permit No. / Expiry	Representative's Title
N2015C0014	N/A
Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
July 25, 2018	Jonathan Mesher
Activities Inspected	
<div><input type="checkbox"/> Camp<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/hauling<input type="checkbox"/> Other:<input type="checkbox"/> Other:</div>	

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
Land Use Permit __N2015C0014:					
31 (1)(a) Location and Area					
31 (1)(b) Time					
31 (1)(c) Equipment					
31 (1)(d) Methods and Techniques					
31 (1)(e) Type location, capacity and operation of facility					
31 (1)(f) Control or prevent of flooding, erosion, and subsidence of Land					
31 (1)(g) Use, storage, handling and disposal of chemical or toxic materials				36,37,38	
31 (1)(h) Wildlife and fisheries habitat					
31 (1)(i) Objects and places of recreation, scenic and ecological value					
31 (1)(k) Petroleum fuel storage				63,66	
31 (1)(m) Matters not inconsistent with the regulations					
Lease # _____:					
Term					
Rent and Taxes					
Use					
Assignments					
Breach					
Termination					
Reclamation					
Environmental					
Fuel and Hazardous Chemicals					
Boundaries/Survey					
Improvements					
Access					
Indemnification					
Notices					
Archeology					
General					

\* refers to specific terms and conditions found in the permit/lease in question.

SECTION 1	<input checked="" type="checkbox"/> Comments (s.1)	<input type="checkbox"/> Non-Compliance with Permit, Act or Regs (s.2)	<input type="checkbox"/> Action Required (s.3)
<p>On July 25, 2018 an Inspection was conducted of the Land Use Permit (LUP) N2015C0014, The Project Is located approximately 110 km south of Resolute Bay NU, at N 73°39.4504' X W94°27.1407' adjacent to the Aston river on Somerset Island.</p> <p><b>Inspection:</b></p> <ul style="list-style-type: none"><li>The main camp is located in the Aston River, river valley, at the time of the inspection the site was clean with no concerns were noted about the location of this camp.</li><li>All secondary containment appeared to be used at all storages of fuel.</li><li>The Kitchen tent and two wash tents had pipes leading to sumps constructed of wood walls, it appears the sumps are operating as intended and the waste does not appears capable of flowing directly into water or spreading to surrounding lands.</li></ul>			



- The previous inspector and the permittee had agreed to deposit drill cuttings in porous boulder fields, I am recommending that the Licensee use sumps as required in this permit. The use of sumps will help to ensure that the drill cutting so not spread to surrounding lands.
- The licensee is still in the process of remediating old drill collars from exploration that occurred in the 1970's.
- At the time of the inspection the licensee was storing fuel outside their bear fence, Item 63, of the LUP N2015C0014 states that "the permittee shall store fuel and chemicals in such a manner that it is inaccessible to wildlife.", It is recommended that the licensee consult with the Engineer of Lands at CIRNAC to determine the extent of the inaccessibility to wildlife is required.
- During the inspection it was noted that three (3) small fuel containers were left open, this is in contradiction of, item 66, of the permit N2018N0004 which states; "the permittee shall seal all container outlets except the outlet currently in use." The licensee was informed of this issue at the time of the inspection and was encouraged to ensure all employees are aware of the terms and conditions of their LUP.


SECTION 2

☐ Comments

☐ Non-Compliance with Permit, Act or Regs

☒ Action Required

- The permittee is to start using sumps at the drill sites and ensure that drill waste is deposited at least 1.2m below the lowest elevation of the contiguous surrounding. This is required in items; 23, 36, 37 and 37. See figure 4 for a photo of the current disposal of drill cuttings.
- The permittee is to consult with the Engineer of Lands regarding the extent of wildlife inaccessibility required in Item 63. See figure 2 and 3 for fuel storage
- The Permittee is to ensure all fuel containers are sealed when not in use. See figure 1 for containers not sealed.

Licensee or Representative	Inspector's Name
APEX Geoscience	Jonathan Mesher
Signature	Signature
	
Date	Date
	September 4, 2018

Office Use Only:

Follow-up report to be issued by Inspector

☐ Yes ☐ No





Date	Camera	Inspector	Authorization
		J.Mesher	N2015C0014
Photo Log		Location N 73°39.4504' X W94°27.1407	



Figure 1: Containers not sealed



Figure 2: Jet fuel





Figure 3: Oil and Grease storage



Figure 4: drill cuttings not disposed into a sump





WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
Christopher Livingstone	Christopher Livingstone
Licence No. / Expiry	Representative's Title
2BE-STO1520	Project Geologist
Land / Other Authorizations	Land / Other Authorizations
N2015C0014	
Date of Inspection	Inspector
July 25, 2018	Jonathan Mesher
Activities Inspected	
<input checked="" type="checkbox"/> Camp	<input checked="" type="checkbox"/> Drilling
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Mining
	<input type="checkbox"/> Construction
	<input type="checkbox"/> Reclamation
	<input checked="" type="checkbox"/> Fuel Storage
	<input type="checkbox"/> Other: Water Discharge
	<input type="checkbox"/> Other: Municipal

Conditions:    **A - Acceptable**    **C - Concern**    **U - Unacceptable**    **NA – Not Applicable**    **NI – Not Inspected**

Water Use			Site Conditions			Haz/Mat Management		
	Condition	Comment		Condition	Comment		Condition	Comment
Intake/Screen	A		Water Management Structures	NA		Storage	A	
Flow Measure. Device	A		Culverts / Bridges	NA		Spills	NI	
Source: Aston River	A		Drainage	NA		Spill Plan	A	
Water Use:	A		Erosion / Sediment	NA				
Recirculation ( y /n)	NA		Mitigation Measures	NA		Administrative		
			Reclamation Activities	NA		Records	A	
			Materials Storage	A		Reports	A	
Waste Disposal			Signage	A		Plans	A	
Waste Water	A					Notifications	NA	
Solid Waste	A		Monitoring			Other		
Hazardous Waste	NI		Sample Collection / Analysis	A				
*The number in the comments field will correspond with specific comments provided below.								
Samples taken by Inspector:			Location(s):					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								

SECTION 1	<input checked="" type="checkbox"/> Comments (s.____)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.____)	<input type="checkbox"/> Action Required (s.____)
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On July 25, 2018 an Inspection was conducted of the Water licence 2BE-STO including the Camp, lay down areas, fuel containment structures and drilling activities.

The Project Is licensed for up to 2 cubic meters of water per day for camp use as well as 15 cubic meters per day of water for drilling activities. The Camp is located approximately 110 km south of Resolute Bay nu, at N 73°39.4504' X W94°27.1407' adjacent to the Aston river on Somerset Island.

**Inspection:**

**Water usage**

- The main camp uses water from the Aston River and the drill sites use water from surrounding water bodies.
- A mesh screen was installed at the locations where water was being drawn.
- No concerns were noted regarding the usage of water at the camp or drill sites.

**Waste Disposal/ storage**

- Secondary containment appeared to be used at all storages of fuel; no concerns were noted regarding the licensee’s storage of fuel.
- The Kitchen tent and two wash tents had pipes leading to sumps constructed of wood walls, it appears the sumps are operating as intended and the waste does not appears capable of flowing directly into water.
- The previous inspector and the licensee had agreed to deposit drill cuttings in porous boulder fields, I am recommending that the Licensee use sumps to ensure that the drill cutting so not enter surrounding water bodies.
- The licensee is still in the process of remediating old drill collars from exploration that occurred in the 1970’s.





SECTION 2    ☐ Comments (s.\_\_\_\_)    ☐ Non-Compliance with Act or Licence (s.\_\_\_\_)    ☒ Action Required (s.\_\_\_\_)

- The only Action required at this time is to discontinue the practice of depositing cuttings into a boulder fields and start using sumps.

Photo Log

Date	Authorization	Camera	Inspector
July 25,2018	2BE-STO1520	Sony Cyber shot	J.Mesher



Figure 1: Sleeping tent heating fuel.





Figure 2: Sumps.



Figure 3: Fuel storage.



Figure 4: oil and grease storage.





Figure 5: drill site

Licensee or Representative	Inspector's Name
	Jonathan Mesher
Signature	Signature
Date	Date
	10/15/2018

Office Use Only:

Follow-up report to be issued by Inspector

☐ Yes ☒ No