



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Sabina Gold & Silver		Merle Keefe	
Licence No. / Expiry		Representative's Title	
2BE-GOO1520, 2BE-GEO1520, 2BC-BRP1819		Environmental Engineer	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
July 31- Aug 2 2018		Jeremy Fraser	
Activities Inspected			
<input checked="" type="checkbox"/> Camp	<input checked="" type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Fuel Storage

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:	Item No.*	Condition	Observation No.*		
A: SCOPE, DEFINITIONS AND ENFORCEMENT		A			
B: GENERAL CONDITIONS		A			
C: CONDITIONS APPLYING TO SECURITY		A			
D: CONDITIONS APPLYING TO WATER USE		A			
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT	2,3	C			
F: CONDITIONS APPLYING TO MODIFICATIONS					
G: CONDITIONS APPLYING TO CONSTRUCTION		A			
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING		A			
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING	1	C			
J: CONDITIONS APPLYING TO MONITORING		A			
SCHEDULES					
*The item number corresponds with specific conditions within the licence and the observation number corresponds 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. __)
<p>An inspection was conducted on July 31 – August 2, 2018, at Goose Camp, George Camp, Marine Laydown Area, and nearby drill rigs. Two drills were in operation during the time of inspection. The inspectors were accompanied by Merle Keefe and site manager Rob Davidson throughout the inspection.</p> <p><u>2BE-GOO1520 (Goose Camp)</u></p> <p>Inspectors arrived at Goose Camp at approximately 1500hrs on July 31st 2018 and met with Merle Keefe, Environmental Engineer and Rob Davidson, Site Manager. At approximately 1600hrs on July 31st 2018 the inspection started.</p> <p>Water Usage :</p> <p>I. Fish screens were observed on all water intake stations as required in the Water license Part C Conditions Applying the Water Use Item 4.</p> <p>Deposits/storage of Waste:</p> <p>I. Grey water from the kitchen and grey water from the camp bathrooms flow into a sump which then flows through a catchment basin then to Discharge Point #2 (see figure #1), as required by the license Part D Conditions Applying to Waste Disposal Item 8.</p> <p>II. The solid material removed from the grey water is shipped off site to KBL in Yellowknife, NWT. The licensee has provided records in the form of excel sheet to the inspectors of this action. This is required as per Part D Conditions Applying to Waste Disposal Item 7-9</p> <p>III. As per Part F Conditions Applying to Drilling Operations Item 2, drill waste is actively being recovered</p>			



from the drill sites and deposited into a sump east of the Goose camp (*see figure #2*).

- IV. During the inspection the licensee stated only report spills that enact the Nunavut spill requirements however as per Part H Conditions Applying Spill Contingency Planning Item 5 of the Water license 2BE-GOO1520, the licensee shall, in addition to Part H, Item 4, regardless of the quantity of release of harmful substances, report to the NWT/NU spill line if the release is near or into a water body.
- V. No concerns were noted about any approved deposits of waste under the licence 2BE-GOO1520

Concerns noted from previous inspections:

A historic trench east of camp (*See Figure #3*) has water ponding on the surface This concern was also noted in a previous inspection on August 17-18 2017. While on site the licensee had a pump set up to remove the pooling water and plan to contour the affected area in order to prevent future pooling in this area. It was noted that Merle Keefe and Rob Davidson assured that this will be resolved prior to freeze up.

The restoration of this historic trench is a requirement of the Water License 2BE-GOO1520 Part I Conditions Applying to Abandonment and Restoration or Temporary Closing Item 12.

2BC-BRP1819 (Marine Laydown Area)

Inspectors boarded helicopter on route to Marine Laydown Area (MLA) at approximately 0900hrs. At approximately 1000hrs inspectors landed at MLA and discussed order of the inspection with the MLA site manager. The Inspection began at 10:25 August 1st 2018.

Deposits/storage of Waste:

- I. All fuel storage for the sleeper tents appeared to be in adequate secondary containment.
- II. No concerns were noted at the Marine Laydown Area.

2BE-GEO1520 (George Camp)

The inspectors arrived at George camp shortly after 1300hrs August 1st 2018

Usage of Water

- I. The camp was not in use during the time of the inspection. The water license 2BE-GEO1520 issued to Sabina by the Nunavut Water Board authorizes the use of water up to 175m³. The inspector noted no water has been used this year.

Deposits/storage of Hazardous substances

- I. The licensee was storing fuel on site inside a self-contained tank within a berm; no concerns were noted about the bulk storage.
- II. The licensee was storing Jet A in barrels near the helicopter pad within secondary containment, no concerns were noted.
- III. The licensee was storing lubes and oils in a temporary berm on site; this berm was in poor condition and was lacking a plug which allowed the water from within the berm to freely flow into the surrounding environment. The licensee was informed of this issue and agreed to repair and plug it. (*See figure 4-6 for photos of this concern*). This has since been plugged and photographic images have been received by the inspectors. No observation of contamination was found down gradient of this facility.
- IV. Drill cuttings from previous drilling are being stored near the camp in a capped sump, this storage of waste did not appear to be affecting water, and no concerns were noted.

SECTION 2	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
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- 2BE-GOO1520 – A historic trench located east of Goose camp contains pooling water. As per the water license and previous inspections reports issued to Sabina by Eva Paul this must be restored to the natural contours of the land.

PART I: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION OR
TEMPORARY CLOSING



4. The Licensee shall backfill and restore all sumps to the pre-existing natural contours of the land.

12. The Licensee shall restore all trenches prior to the closure of seasonal exploration programs and removal of equipment from site. Trenches are to be in-filled and covered with stockpiled overburden materials and re-contoured to the natural terrain, providing drainage away from nearby watercourses.

- 2BC-BRP1819 – the licensee as required by the License must report all unauthorized discharge of Waste.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

5. If during the term of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge is foreseeable, the Licensee shall:

- A. Employ the approved Spill Contingency Plan;
- B. Report the spill immediately to the 24-Hour Spill Line at (867) 920-8130 and to the Inspector at (867) 975-4295; and
- C. For each spill occurrence, submit to the Inspector and the NWB, no later than thirty (30) days after initially reporting the event, a detailed report that will include the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain and clean up the spill site.

6. The Licensee shall, in addition to Part H, Item 5, regardless of the quantity of releases of harmful substances, report to the NWT/NU Spill Line if the release is near or into a Water body.

- 2BC-GEO1520 – Temporary berms installed at the George Camp housing lubricants and oils are in poor condition allowing water from within the berm to flow freely into the environment.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

3. The Licensee shall prevent any chemicals, petroleum products or wastes associated with the project from entering Water. All Sumps and fuel caches shall be located at a distance of at least thirty one (31) metres from the ordinary High Water Mark of any adjacent Water body and inspected on a regular basis.

SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
1. Sample pooling water and remediate historic trench east of Goose camp.			
2. Report all unauthorized discharges to the environment			
3. Restore berm and sample soils and local water bodies at George camp to mitigate further impacts to the receiving environment.			

Licensee or Representative	Inspector's Name
	Jeremy Fraser
Signature	Signature
Date	Date
	September 18, 2018

Office Use Only: Follow-up report to be issued by Inspector ☐ Yes ☐ No

CC: Licensing Department, NWB
Erik Allain, Director of Lands, CIRNAC



PHOTO LOG

Date	Camera	Inspector	Authorization
July 31 2018	Sony Cyber-shot	Jonathan Mesher	Sabina Water Licenses
Photo Log #		Location (NAD 83 DD MM SS.SS)	
Photo DSC04314		N 65°32'28" W 106°25'38"	



Description: Grey water catchment basins from camp kitchen and main dry

Photo Log #	Location (NAD 83 DD MM SS.SS)
Photo DSC04327	N 63° 32' 35" W 106° 25' 34"



Description: Drill cuttings sump located east of Goose camp



Photo Log #	Location (NAD 83 DD MM SS.SS)	
Photo DSC04328	N 65° 32' 33"	W 106° 25' 31"



07 31 2018

Description: Historic trench pooling water – Sabina plans to resolve prior to freeze-up 2018

Photo Log #	Location (NAD 83 DD MM SS.SS)	
Photo DSC04393	N 65° 55' 25"	W 107° 28' 0"



08 01 2018

Description: Insta-berm in poor condition



Photo Log #

Photo DSC04395

Location (NAD 83 DD MM SS.SS)

N 65° 55' 24"

W 107° 28' 0"



Description: portable Insta-berm in poor condition

Photo Log #

Photo DSC04396

Location (NAD 83 DD MM SS.SS)

N 65° 55' 24"

W 107° 28' 0"



Description: No plug in place to prevent water from entering the surrounding environment