



ENVIRONMENTAL INSPECTION FORM

☒ Original  
☐ Follow-Up Report

Licensee		Licensee Representative	
Advanced Explorations Inc.		John Gingerich	
Licence No. / Expiry		Representative's Title	
2BE-RBP1116		President and Chairman	
Land / Other Authorizations		Land / Other Authorizations	
N2012C0013			
Date of Inspection		Inspector	
15/07/2014		Robert SAVARD /Atuat SHOULDICE	
Activities Inspected			
<input checked="" type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input checked="" type="checkbox"/> Fuel Storage			
<input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: Water Discharge <input type="checkbox"/> Other:			

Conditions:		A - Acceptable	C - Concern	U - Unacceptable	NA – Not Applicable	NI – Not Inspected					
Water Use		Condition	Comment	Site Conditions		Condition	Comment	Haz/Mat Management		Condition	Comment
Intake/Screen	NA			Water Management Structures		NA		Storage		C	
Flow Measure. Device	NA			Culverts / Bridges		NA		Spills		C	
Source:	NA			Drainage		NA		Spill Plan		NI	
Water Use:	NA			Erosion / Sediment		NA					
Recirculation ( y /n)	NA			Mitigation Measures		NA		Administrative			
				Reclamation Activities		NA		Records		NI	
				Materials Storage		C		Reports		A	
Waste Disposal				Signage		NA		Plans		A	
Waste Water	NA							Notifications		A	
Solid Waste	C			Monitoring				Other			
Hazardous Waste	C			Sample Collection / Analysis		NA					
*The number in the comments field will correspond with specific comments provided below.											
Samples taken by Inspector:				Location(s):							
				Equipment and fuel storage at beach area at coordinates N68 26 53.1 W82 38 16.2							
				Airstrip at Roche Bay at coordinates N68 27 29.0 W82 37 31.7							
				Core lay down at coordinates N68 27 32.5 W82 38 30.4							
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											

SECTION 1	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<b>Background</b>			
<p>The Roche Bay Project is located at Latitude 68°26'N and Longitude 82°46'W in the Qikiqtani Region of Nunavut. Advanced Exploration Inc signed a joint venture agreement with Roche Bay Plc in February 2007. They hold a type 'B' water licence for camp operations and exploration activities. Advanced Exploration Inc. holds a Type 'C' Land use permit for Exploration.</p> <p>At the time of the inspection and of this writing, the Licensee holds a current Water Licence and Land Use Permit. The water licence expires March 31<sup>st</sup> 2016 and the land use permit expires May 23<sup>rd</sup> 2015. Annual reports have been submitted as required, and can be found on the NWB FTP site.</p> <b>Inspectors Statement</b> <p>On July 15, 2014 a compliance inspection was carried out at Roche Bay by AANDC Inspectors Atuat Shouldice and Robert Savard. No representatives from Advanced Exploration and Roche Bay Plc were on site during the time of the inspection.</p> <p>The following sites were inspected against the terms and conditions of the land use permit and water licence conditions:</p> <ul style="list-style-type: none"><li>Equipment and fuel storage at beach area at coordinates N68 26 53.1 W82 38 16.2</li><li>Airstrip at Roche Bay at coordinates N68 27 29.0 W82 37 31.7</li><li>Core lay down at coordinates N68 27 32.5 W82 38 30.4</li></ul>			



## **Equipment and Product Storage at the beach**

### ***Observations***

1. Fuel Storage-There were 6 empty 'Above Ground Tanks for Flammable Liquids'(50, 000L) fuel tanks were stored on the beach
2. Site Drainage-No concerns.

### **Fuel Drums**

#### ***Observations/ Concerns***

1. There were c. 2000 empty stacked drums sitting 23 meters from ordinary high water mark (OHM). In 2010 Inspector requested drums to be stored securely above the OHM
2. There were c. 127 full fuel drums, 3 caches in total in secondary containment but the berms and walls were failing.
3. There were scattered empty drums around site within 10 meters of the OHM.
4. 3 full fuel drums were lying out of containment.
5. Full fuel drums were within 23 meters of the OHM.
6. Full fuel drums stacked on and between the sea cans were not in secondary containment.
7. Secondary containment appeared to be compromised due to collapsed walls and did have minor leaks of product. Secondary containment of fuel requires ongoing maintenance to prevent failure.
8. There was C. 100 'Mega bags' of Calcium Chloride on the beach. These bags appeared to have weathered and were leaking minor amounts of product.
9. Drill equipment adjacent to empty drums on the beach were leaking product from fluid pumps and no 'drip trays' or secondary containment appeared to be in use.

### **General Site Conditions**

#### ***Observations/ Concerns***

1. Garbage and debris including wood and plastic and general garbage litter area and requires clean up.
2. 20 drums of ash were sitting on pallets with open tops were plastic bags used to cover drums had decomposed due to weathering. These barrels also had water in them and there were stains under these containers suggesting that the containers were overtopping during melt and rain events.
3. There appeared to be an open burn pit found adjacent to buildings next to old incinerator. The Licencee is required to used an incinerator for all combustion of waste

### **Airstrip**

#### ***Observations/ Concerns***

1. The Grader and Packer on the side of airstrip appeared to be dripping fluids on to the ground. A 2012 inspection report mentions that the grader was leaking at that time as well. There was no evidence that 'drip trays' or secondary containment appeared to be in use as required by the permit.
2. In the fuel cache with 19 drums in secondary containment, two of the drums appeared to be breached with an 'axe' or some other tool and were leaking product in to secondary containment. The water drain system on in this secondary containment was not functional at the time of inspection and the end cap appeared to be broken off leaving c. 4 inches of water within the secondary containment.
3. About 300-400 empty drums stacked on side of airstrip.
4. Garbage and debris including wood and plastic and general litter debris was in the area and requires clean up.
5. There were 4 full drums of fuel product not in secondary containment beside the old building.

### **Core Laydown**

#### ***Observations/ Concerns***

1. Gargage and debris including wood and plastic and general litter debris was in the area and requires clean up.
2. There were 2 drums half full of fuel product sitting beside core shack not in secondary containment.



SECTION 3

☐ Comments

☐ Non-Compliance with Act or Licence

☒ Action Required

Action Items Required

Following our conversation September 23<sup>rd</sup> 2014 at 1:30 pm between John Gingerich (Advanced Exploration Inc. President & Chairman) and Inspector Atuat Shouldice (Resource Management Officer AANDC), and e-mail correspondence received September 30<sup>th</sup> 2014, the following outlines the agreed upon action items to be included in a compliance plan to address issues related to activities at Roche Bay for land use permit N2012C0013 and water licence 2BE-RBP1116.

It was discussed that Advanced Exploration Inc. may proceed to the site on or before December 31<sup>st</sup>, 2014 to address minor fuel spills, repair and maintain secondary containment and address other concerns mentioned in the inspection report. The inspector was also informed that drums of fuel would be backhauled on the first barge of the 2015 year or before September 15, 2015. It was noted that the tent camp would be decommissioned at the same time that the other issues on site would be addressed.

All work is to be completed within regulatory and permitted authorization.

Inspector's Name

Atuat Shouldice

Signature

Date

July 25, 2014

Inspector's Name

Robert Savard

Signature

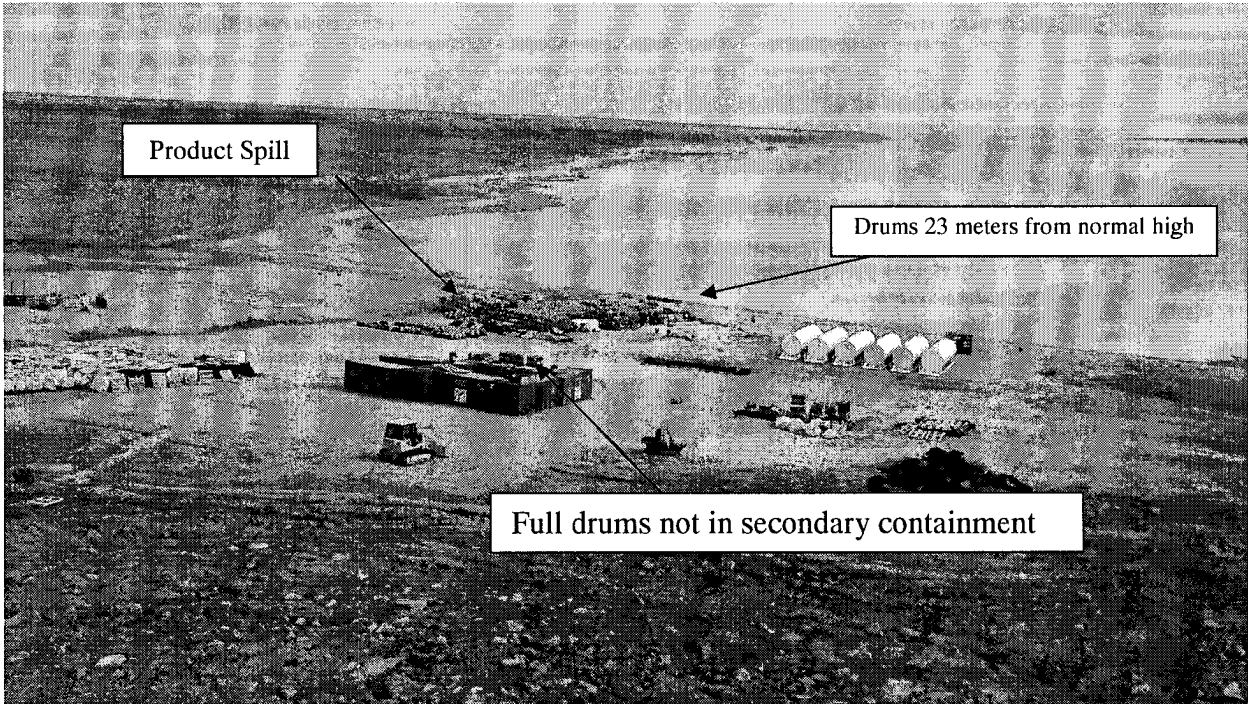
Date

July 25, 2014

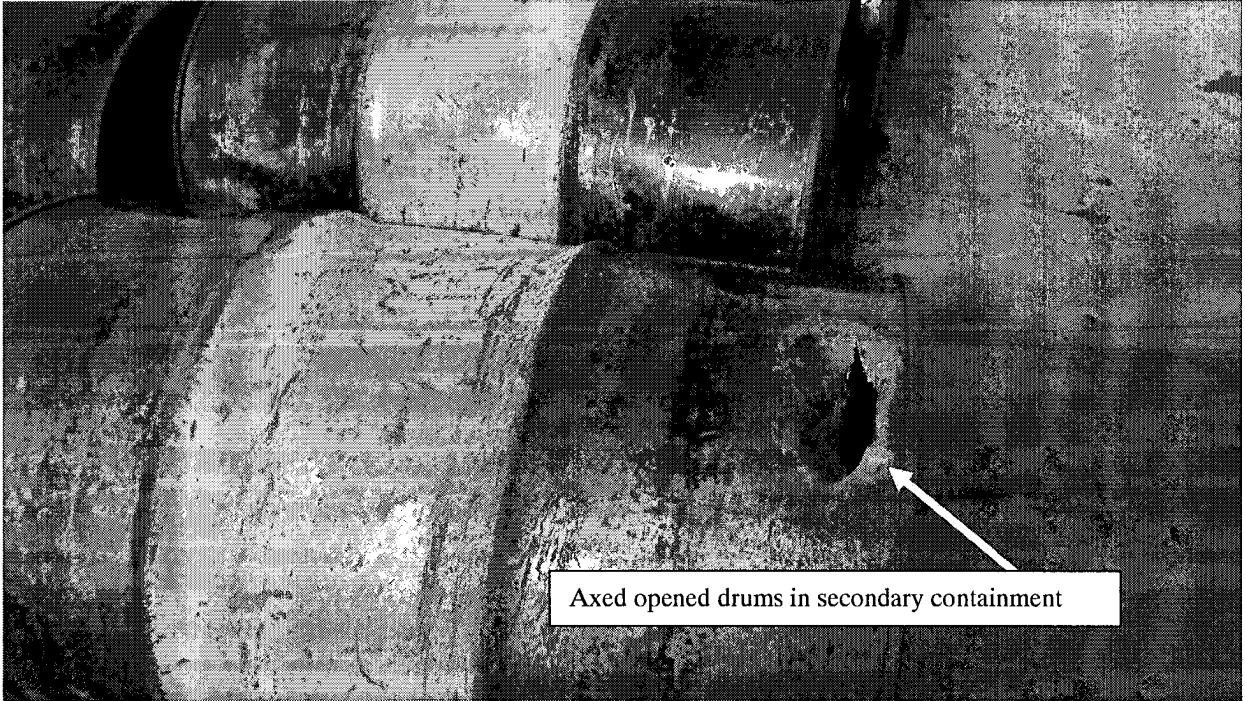
Office Use Only: Follow-up report to be issued by Inspector

☐ Yes ☒ No

Photo Appendix



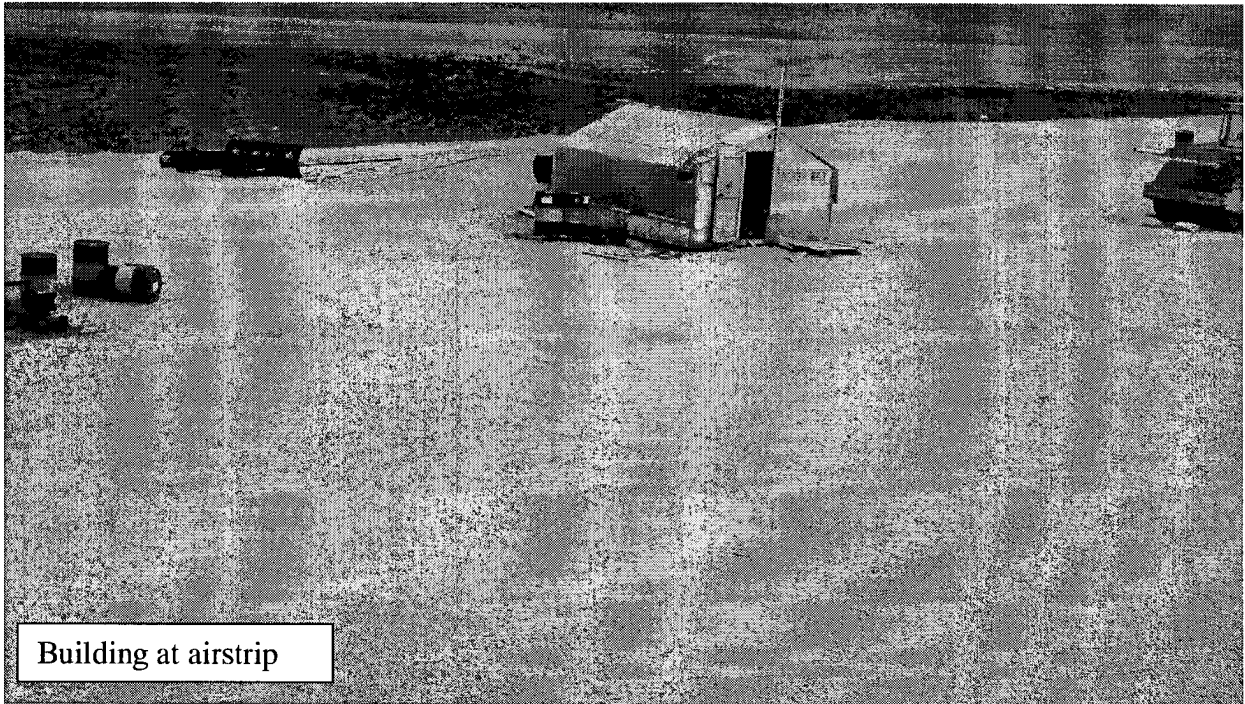




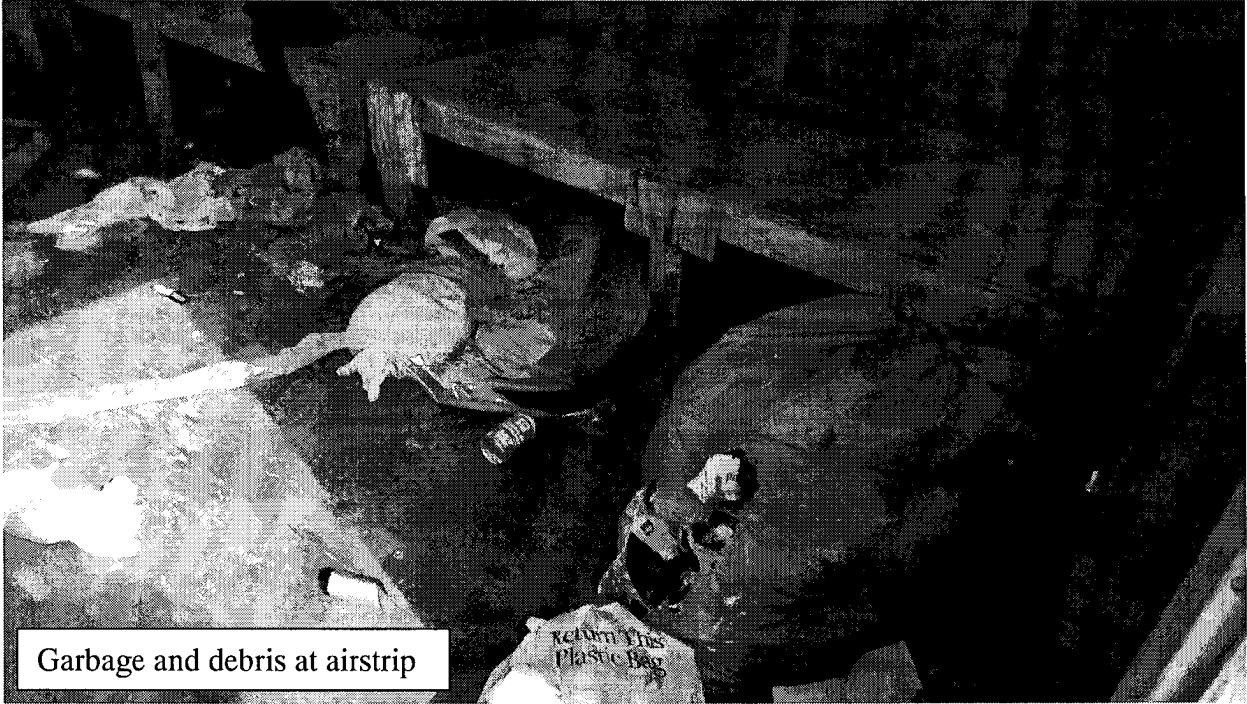
Axed opened drums in secondary containment



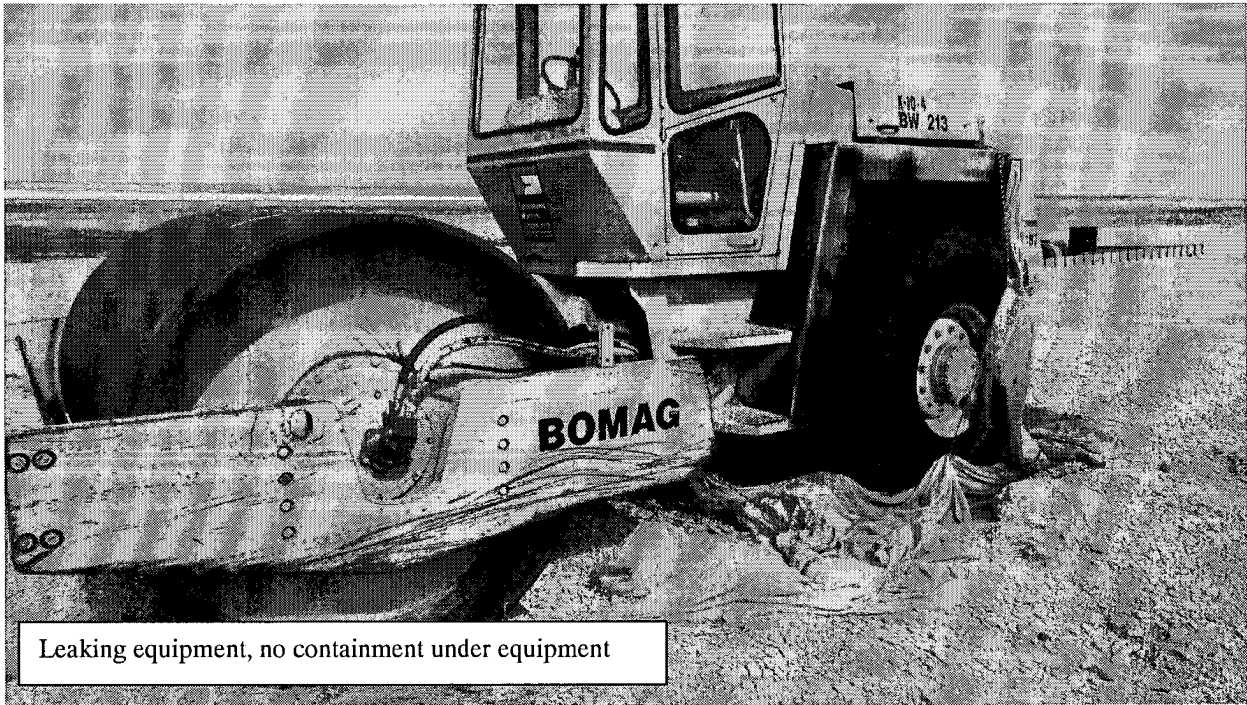
Drain and filtration system non functional



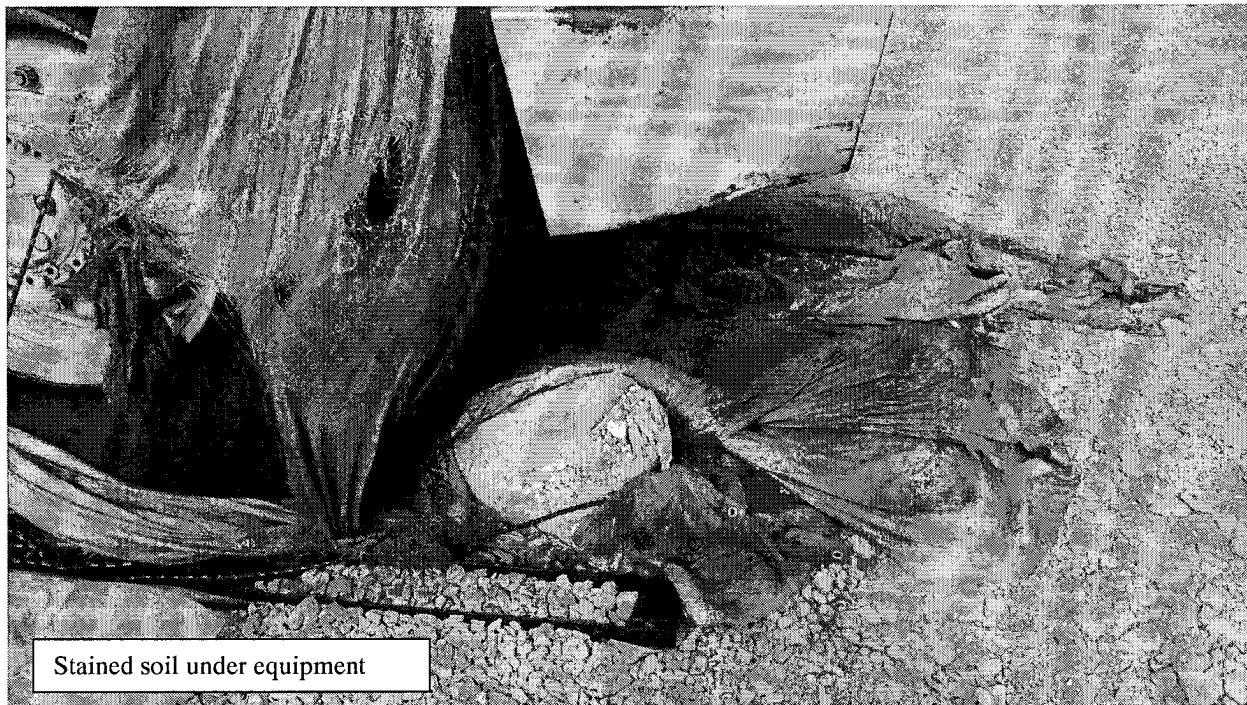
Building at airstrip



Garbage and debris at airstrip



Leaking equipment, no containment under equipment



Stained soil under equipment



