



Ministry of Environment Inspection Record

Environmental
Protection
Division

Inspection Number: 19552		Inspection Status: FINAL	
EP System: <u>AMS</u>		Inspection Date: 2015-02-23	
EP System Number: 11678		EP System Status: <u>Active</u>	
Region: <u>Cariboo</u>		Office: <u>Williams Lake</u>	
Trigger: <u>Incident</u>		Incidents of Non-Compliance Observed: <u>Yes</u>	
Non-Compliance Decision Matrix Level: <u>Level 1</u>		Non-Compliance Decision Matrix Category: <u>Category B</u>	
Inspector Name(s): Jack Green		CPIX: <u>1 to 2 = Medium</u>	
Audit:		Total Non-Compliance(s): 3	
Regulated Party: Mount Polley Mining Corporation			
Regulated Party Contact(s): Colleen Hughes			
Legal Address: PO Box 12 Likely, BC VOL 1N0			
Phone No: (250)790-2215		Fax No:	
Contact Email: chughes@mountpolley.com			
Location Description or Site Address: Mount Polley is an open pit copper/gold mine located near Likely, BC.			
Latitude: 52.54547 N		Longitude: 121.63433 W	
Receiving Environment(s): <u>Surfacewater</u>			

Summary

MONITORING AND REPORTING REQUIREMENTS	
Inspection Period: From: 2015-02-12 To: 2015-02-12	
Requirement Source: <u>Permit</u>	
Activity: <u>Office Review</u>	Waste Type: <u>Effluent</u>
Inspection Summary: On 13 February 2015 Hubert Bunce received notification from Colleen Hughes regarding water overflowing Bootjack Sump into Bootjack Creek. This was first noticed during a routine inspection at 8:00pm on 12 February 2015. Earthworks that separated contact and non-contact water experienced a partial failure, resulting in non-contact water draining into bootjack sump. As a result, the sump overflowed into Bootjack Creek. A pump was installed to reduce water levels in the sump by 12:30pm on 13 February. Steps taken by Mount Polley staff include: <ul style="list-style-type: none"> - straw bales installed downstream of overflow pipe to reduce sedimentation; - second pump installed at Bootjack Sump to move water directly to Serd Sump; - temporary pump installed upstream to direct non-contact water away from Bootjack Sump; - temporary sump installed upstream to redirect water while berm is repaired. The root cause of the incident was identified as water moving through the berm along the culverts possibly due to inadequate packing down of this material. The total volume of water to enter Bootjack Creek from the sump is unknown. No samples were collected at the time of the incident, although previous water quality results for Bootjack Sump were provided.	Response: <u>Advisory</u>
ACTIONS REQUIRED BY REGULATED PARTY: In response to the advisory letter issued to Mount Polley of 18 February 2015, which has since been withdrawn, Mount Polley has provided the required information regarding the results of inspections of all mine-affected water control works, the adequacy and integrity of mine-affected water control works and improvements undertaken. No further actions are required.	
ADDITIONAL COMMENTS: <div style="border: 1px solid black; height: 50px;"></div>	

Compliance Summary	In	Out	N/A	N/D
Discharge	0	1	0	0
Operations	0	1	0	0

Inspection Details

Requirement Type: Reporting

Requirement Description:

2.1 Maintenance of Works and Emergency Procedures

The Permittee must inspect the pollution control works regularly and maintain them in good working order. In the event of an emergency or condition beyond the control of the Permittee which prevents continuing operation of the approved method of pollution control or which impairs the operation of approved works, the Permittee must notify Environmental Protection:

By telephone (250-398-4530) if the condition occurs between the hours of 08:00 and 16:30, Monday to Friday on normal working days; and,

By facsimile transmission (250-398-4214) if the condition occurs at any other time.

All such reports must be received within 24 hours of detection of the occurrence.

In addition, emergencies involving spills to the environment (as defined in the Spill Reporting Regulation) must be reported immediately to the Provincial Emergency Program (1-800-663-3456).

Details/Findings:

Inspections of all sumps are conducted daily.

The berm failure indicates that it wasn't maintained in good working order.

Notification was provided to Environmental Protection and PEP as required.

Compliance: Out

Requirement Type: Discharge

Requirement Description:

2.2 Bypasses

The discharge of effluent which has bypassed the designated treatment works is prohibited unless the approval of the Director is obtained and confirmed in writing.

Details/Findings:

Due to the unexpected nature of this incident, no approval was obtained from the Director.

Compliance: Out

Requirement Type: Operations

Requirement Description:

2.4.3 Surface run-off control works must be provided for all areas disturbed by roads, open pits, rock disposal sites, and the mill and ore storage area. The surface runoff control system must convey all flows up to a 1 in 10 year 24-hour storm event, and must withstand all flows up to a 1 in 200 year 24-hour storm event without significant damage.

Details/Findings:

The berm failure was not caused by a specific storm event, but by high flows from snowmelt. It is therefore unlikely that the berm could have withstood flows from a 1 in 200 year 24-hour storm event.

Compliance: Out

Were the following collected during inspection:

Samples? <input type="checkbox"/>	Photos? <input type="checkbox"/>	EMS Number <input type="text"/>
Other (please specify)		
<input type="text"/>		
Is the Inspection related to an EA Project? <input type="checkbox"/>	EA Project Certificate Number: <input type="text"/>	

INSPECTION CONDUCTED BY:	
<i>Signature</i>	<i>Date Signed</i>
Jack Green	2015-02-26

ENCLOSURE(S) TO REGULATED PARTY & DESCRIPTION:
<input type="text"/>
CVIS Archives

REGULATORY CONSIDERATIONS:
<input type="text"/>

DISCLAIMER:

Please note that sections of the permit, regulation or code of practice referenced in this inspection record are for guidance and are not the official version. Please refer to the original permit, regulation or code of practice.

To see the most up to date version of regulations and codes of practices please visit:
<http://www.bclaws.ca/>

If you require a copy of the original permit, please contact the inspector noted on this inspection record or visit: <http://www2.gov.bc.ca/gov/topic.page?id=DF89089126D042FD96DF5D8C1D8B1E41&title=Publicly%20Viewable%20Authorizations>

It is also important to note that this inspection record does not necessarily reflect each requirement or condition of the authorization therefore compliance is noted only for the requirements or conditions listed in the inspection record.

Ministry of Environment	Cariboo Region	Mailing Address:	Phone: (250) 398-4530
	Environmental Protection Division	400-640 Borland St Williams Lake, BC V2G 4T1	Fax: (250) 398-4214 Website: http://www.gov.bc.ca/env