



Province of British Columbia
**Ministry of Energy
 and Mines**

Inspection No.: 48856
 File: 18040-02-02
 Mine No.: 1101163
 Permit No.:
 Emp/Cont: 0 / 0
 Orders H&S: 5 RECL: 0
 Stop Work: 0

Report of Inspector of Mines
 (Issued pursuant to Section 15 of the *Mines Act*)

Inspection Report

NAME OF MINE	Mount Polley Mine	LOCALITY	
OWNER/OPERATOR	Imperial Metals Corporation	ADDRESS	Po Box 12 Likely BC V0L 1N0
MANAGER	Dale Reimer	AREAS INSPECTED	

Persons Contacted

MANAGEMENT
 OHS COMMITTEE
 WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

2.1.1, 2.1.3, and 1.9.1 – Dust exposure in crusher

On Nov 18, 2014 in the crusher there was a notable accumulation of dust observed on all surfaces that could collect dust, including floors, structural beams and girders, and on horizontal surfaces of crushing and screening material. The dust collection system appeared to be in a general state of disrepair.

Observations of the dust collection system included: many small and large holes in ducting, ducting not connected, cracks in ducting, gaps in skirting along conveyor belts, and cleanout spaces that were completely full of accumulated dust.

MANAGERS RESPONSE OF ACTION TAKEN

Al Hoffman
 Chief Inspector of Mines
 7th floor, 1675 Douglas Street Victoria BC V8W 9N3
 Address

 Signature – Inspector of Mines

 Signature – Manager

Date of Inspection: 12/10/2014
 Copies To

Dated: _____, 20____

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

Accumulations of dust in the crusher and elevated concentrations of airborne respirable-size dust have been a concern for some time and has been noted in previous inspection reports; most recently orders have been included in inspection report #40856 July 18, 2014, #28597 February 24 and 25, 2014, #28102 Dec 16, 2013, #28236 Dec 16, 2013, and the audit conducted February 23rd to 25th, 2014)

ORDER: As per section 2.1.1, effective immediately and on an ongoing basis, the mine manager shall ensure employees are not exposed to unacceptable levels of respirable-size dust or silica in the crusher building.

ORDER: Effective immediately, workers who enter or work in the crusher building in the absence of effective ventilation controls shall wear appropriate respiratory protection. As per section 1.8.1, the mine manager shall ensure that workers provided respiratory protection have been instructed in the use and maintenance of personal protective equipment, the reasons for it, on its limitations, and ensure that the equipment is fit for its purpose. To ensure a respirator is adequate for its purpose the employee must be fit tested by a certified fit tester.

ORDER: In accordance with section 1.9.1 until appropriate repairs and/or installations can be made to the crusher ventilation system to make it effective the manager shall implement an interim plan for mitigating the dust exposure of workers in the crusher. This plan shall specify the expected duration of crusher operation and the interim control measures to be used such as the type of respiratory protection and details on the respiratory protection program. This plan shall be provided to the Ministry in 7 days.

ORDER: As per section 2.1.3, within 45 days, the mine manger shall have a Certified Industrial Hygienist or Registered Occupational Hygienist determine exposure levels in the crusher.

ORDER: The mine manager shall submit a written plan for addressing deficiencies in the crusher

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
<p>ventilation system to the Chief Inspector within 60 days. The plan shall include the following:</p> <ul style="list-style-type: none"> • an assessment of the capacity of the current ventilation system for appropriately controlling workplace contaminants and/or a design plan for a suitable ventilation system to be implemented in the crusher. The assessment and design must be prepared and signed by a Certified Industrial Hygienist or Professional Engineer with experience in ventilation system design. • a plan and schedule for implementation of required modifications or upgrades • a maintenance plan for the ventilation system • a monitoring and reporting plan for worker exposures to occupational health hazards such as particulate matter and silica prepared by a Certified Industrial Hygienist or Registered Occupational Hygienist • a summary of estimated costs associated with completion of the work 	

Duct between 3rd and 4th floor south end of crusher





Gap in conveyor skirting #4 conveyor belt



Opening in main duct SE side of crusher



Duct for secondary crusher screen deck



Dust skirting at tertiary 3 screen



Fine dust that has escaped from skirting on tertiary3 screen deck



Vibration crack main duct

Date of Inspection

«INSP_DT»

Initials _____

(Inspector)

Initials _____

(Manager)

Outside on SE side of crusher



Inside on SE side of crusher

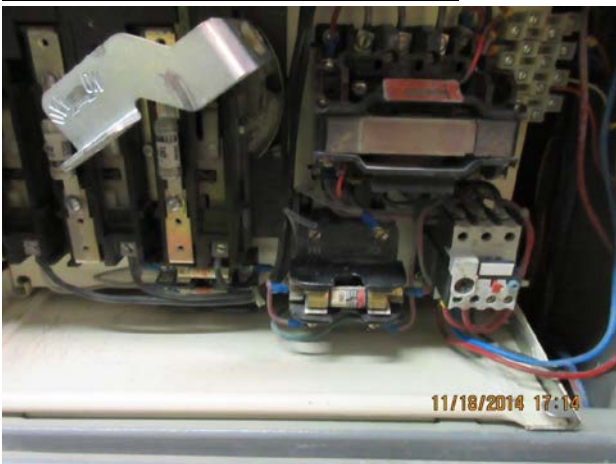


Dust contaminated switch lower MCC room
N end of crusher by primary crusher

Dust contaminated switch lower MCC room



Cleaned switch lower MCC room



Date of Inspection

«INSP_DT»

Initials _____

(Inspector)

Initials _____

(Manager)

Condenser room for crusher MCC rooms



AC Condenser fins plugged with dust



Opening head end of #1 conveyor



Date of Inspection

«INSP_DT»

Initials _____

(Inspector)

Initials _____

(Manager)