

2020

Date

MT Milligan

July 15 CAMERON - GARD 4th Porter
 10:25 - 2014 #23
 - MK-12
 - 4 OFA 3--

WD. Paulin 50 HSC
 - Driller JHT

Pump the pit... to test main 12c
 under pump
 - Ground Level
 - Storage of propane
 - Fensom Explorer
 HAS Area on pump site
 - Gravel
 - OHS
 - Melted

- 10:40: Pump - Pump &
 Explorer (Acres) - Beran

- Storage for pit...

CASEY - Unit #95
 - Full 4th Propane
 - And that

Page 1 of 3

2020

INT MULLYON

July 15 Close at

Date

(1) 0 - Pump (AT) ... (66 AT Pump)
- slow release } 1055 - Pump
- 0.15 Jones } Source
- 0.15 Jones } Hocking
- 0.15 Jones } (2.15)

(2) - 0 - AT Signature Acts & Functions
- 1st looks condition - 15 DAYS...

(3) 1070 Pump with Access - Condition
of Pump -
- 2 DAYS - Access

(4) Full
- Full up for AT float - (1055)
- Audit & Replace...
- side with audit - 15 DAYS
- 1070 into you 8 - of Sunday
- Part up for the like while it
- dead to the blue...

only light valve be up to full.

→ Residual Access Signature for 60 AT/1055
Access...

Carol Tucker... Policy maker...

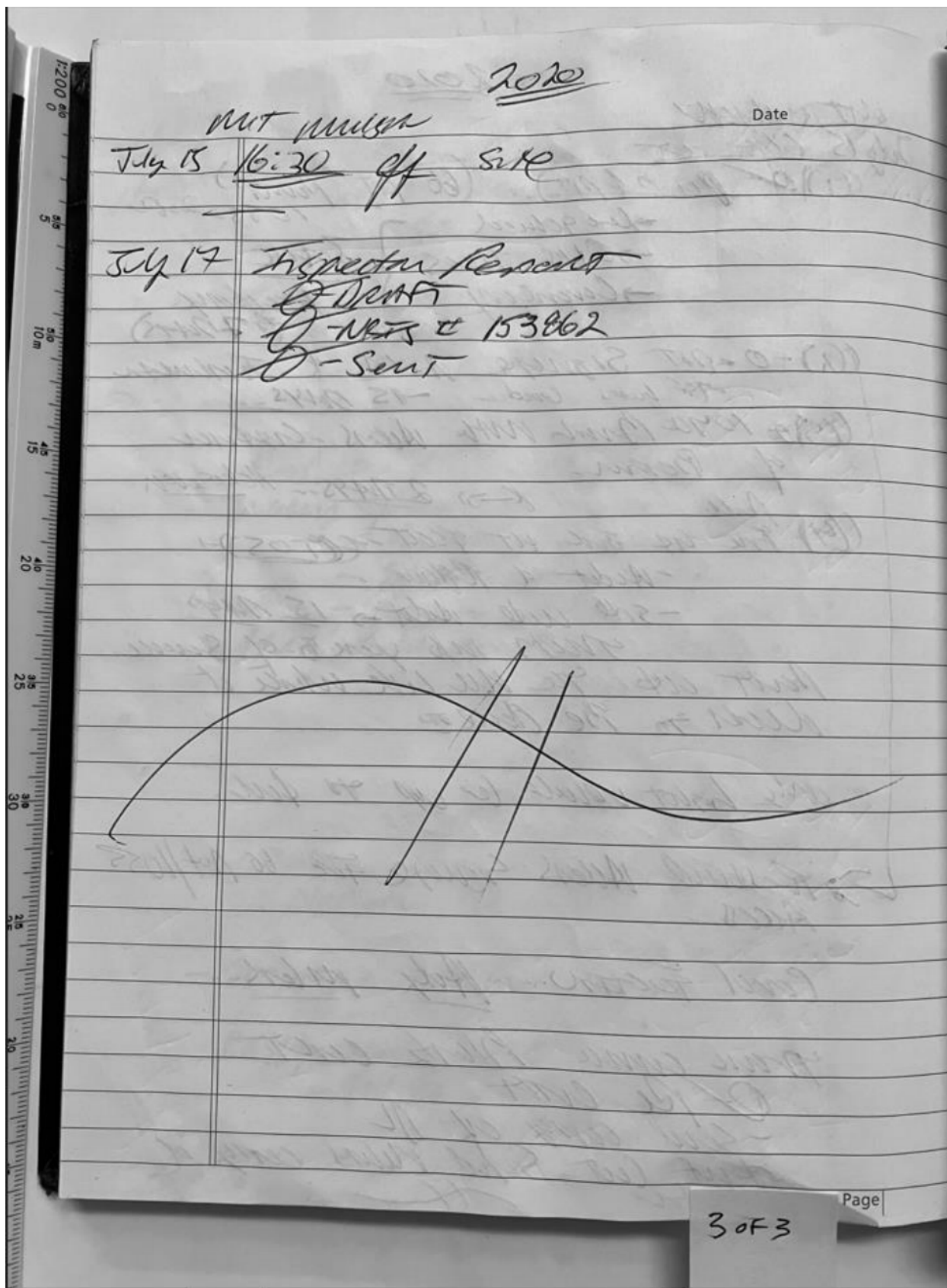
from Anna Platts cut

of the cut

- Soil comp of DL

- Full cut Soil Platts comp of
Hormicton

2 of 3



Inspection Number: 153862
File Number:
Permit Number: M-236
Total Orders: 3
Mine Number: 1300188

Report of Inspector of Mines - Health and Safety

Issued pursuant to Section 15 of the Mines Act

Mine Name/Number	Mt. Milligan 1300188	Visit Date	2020-07-15
Type of Mining	MS. METAL MINE - SURFACE	Location	
Latitude/Longitude	55.08241, -124.0273	Northing/Easting/Zone	434421, 6104444, 10U
		Permittee	Thompson Creek Metals Company Inc.
Inspector	Kristopher Bailey, INSPECTOR	Accompanying Inspector	
Address	350-1011 4th Avenue Prince George, B.C. V2L 3H9		
In Attendance	Ed P, Operator, Centerra Gold; Mike D, Safety Superintendent, Centerra Gold		
Copies to			

The Mine Manager is required to provide a written response within 15 days of receiving the inspection report. The Manager's response must outline the remedial steps taken by a specified date and the work still outstanding. A copy must be provided to the inspector, and in the case of health and safety matters, the occupational health and safety committee and the local union. Appeals to a decision, order or ruling must be made in writing to the Chief Inspector within 30 days after the issue date of the inspection report. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

Introduction

An inspection as done at the Mount Milligan Mine on July 15, 2020 by Kris Bailey (Sr Inspector of Mines, Health and Safety). At the time of inspection, the mine was in production with approximately 300 people on site.

Preamble

The focus of this inspection was on mine operations (Pit & TSF). In addition to the pit inspection, a blasting re-cert exam was conducted which resulted in the candidate passing.

General Area Observations: Pit Ops and TSF.

Latitude/Longitude: 55.08241, -124.0273

Northing/Easting/Zone: 434421, 6104444, 10U

At the time of inspection, mine operations consisted of in pit mining, dewatering, TSF construction and waste rock handling/dumping. Overall, mine ops were in exceptional condition considering the consistent heavy rain events the region has been experiencing. Three orders and one advisory resulted for the pit.

Inspector	Manager Initials	Report Date: 2020-07-17
Kristopher Bailey	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	

Mt. Milligan
Mine No. 1300188

Order 153862-S1-O1 (Inspection Mines):

Status: Open

Issued Pursuant To: Mines Act Section 15(4)

Section 1.9.1, Health, Safety and Reclamation Code for Mines in BC (MA), General

Observation of Contravention:

The main pump in the 66 zone pit (aka 1055 pump) had several safety hazards present, ranging from missing fire extinguishers, an unsecured propane cylinder/torch, and exposed grounding wires due to erosion. In addition to this, erosion has undermined the pump skids and there is a small slope failure & tension cracks immediately adjacent to the pump that could potentially impact the pump. Immediately after the inspection was complete, the mine ops foreman/supervisor and the JOHSC rep inspected the pump site.

Remedial Action/Results To Be Obtained:

An audit is to be completed and a plan in place to remedy hazards identified at the time of inspection as well as any other hazards found during the audit within 15 days of this report. Please include the audit findings and remediation plan (including any remedied hazards to date) with the inspection report response.

Rectify By/Completion Date: 2020-08-01

Manager Response:

(If your response doesn't fit here, please attach a document.)

Order 153862-S1-O2 (Inspection Mines):

Status: Open

Issued Pursuant To: Mines Act Section 15(4)

Section 6.8.3, Health, Safety and Reclamation Code for Mines in BC (MA), Traffic Control

Observation of Contravention:

Key intersections within the pit were missing signage for traffic control. The TSF roads had clear, posted signage. An operator was interviewed about traffic patterns and conditions within the pit. The operator had no immediate concerns, however, they indicated that traffic right of way and patterns can be confusing (especially for new operators). The LV (light vehicle) access road to the 1055 pump was also missing restriction signage and this is especially a concern considering the nature of this road. Operators were observed practicing safe work procedures and operating to the conditions of the operations.

Remedial Action/Results To Be Obtained:

An audit of signage and installation of signage is to be completed within 15 day of this report.

Inspector

Kristopher Bailey

Manager Initials

Report Date: 2020-07-17

Mt. Milligan

Mine No. 1300188

Manager Response:

Manager Response:

(If your response doesn't fit here, please attach a document.)

Advisory 153862-S1-A1

The berm on the 1040 bench along the access road to the explosive magazines and exploration drilling requires an extension of the berm pursuant to part 6.9.1(2)(b) of the HSRC. The road is set back from the crest of the bench and a tracked dozer has recently profiled the area in preparation for blast/drilling. Once the blast is complete, this will bring the drop of closer to the access road. It is understood that the berm will be extended within 2 days of this report. Please provide confirmation that this has been complete.

Advisory Response:**Respond Date:**



Report of Inspector of Mines - Health and Safety

Issued pursuant to Section 15 of the Mines Act

Inspection Number: 153862
File Number:
Permit Number: M-236
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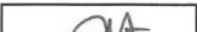
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At the time of inspection, mine operations consisted of in pit mining, dewatering, TSF construction and waste rock handling/dumping. Overall, mine ops were in exceptional condition considering the consistent heavy rain events the region has been experiencing. Three orders and one advisory resulted for the pit.

Inspector	Manager Initials	Report Date: 2020-07-17
Kristopher Bailey		

Mt. Milligan
Mine No. 1300188
Page 8 of 15 EML-2023-30752

Order 153862-S1-O1 (Inspection Mines):

Status: Open

Issued Pursuant To: Mines Act Section 15(4)

Section 1.9.1, Health, Safety and Reclamation Code for Mines in BC (MA), General

Observation of Contravention:

The main pump in the 66 zone pit (aka 1055 pump) had several safety hazards present, ranging from missing fire extinguishers, an unsecured propane cylinder/torch, and exposed grounding wires due to erosion. In addition to this, erosion has undermined the pump skids and there is a small slope failure & tension cracks immediately adjacent to the pump that could potentially impact the pump. Immediately after the inspection was complete, the mine ops foreman/supervisor and the JOHSC rep inspected the pump site.

Remedial Action/Results To Be Obtained:

An audit is to be completed and a plan in place to remedy hazards identified at the time of inspection as well as any other hazards found during the audit within 15 days of this report. Please include the audit findings and remediation plan (including any remedied hazards to date) with the inspection report response.

Rectify By/Completion Date: 2020-08-01

Manager Response:

Order 153862-S1-O1 - A workplace inspection was conducted and a number of deficiencies were identified such as general housekeeping – a fire extinguisher that required mounting and inspection – electrical cables on the ground that need to be either placed on stands or physically guarded – deteriorated berm on the access road to the pump box - The access road was immediately closed off and restricted access to allow only supervisors to this area until the area was made safer. (see picture of sign). Additionally, once Shovel #2 moves out of the pit next week and pit pumping can cease, the pump box will be shut down and moved to allow the pad to be rebuilt and leveled with coarse material, the ground grid will then be completely buried again and all open holes and trenches will be gone.

(If your response doesn't fit here, please attach a document.)

Order 153862-S1-O2 (Inspection Mines):

Status: Open

Issued Pursuant To: Mines Act Section 15(4)

Section 6.8.3, Health, Safety and Reclamation Code for Mines in BC (MA), Traffic Control

Observation of Contravention:

Key intersections within the pit were missing signage for traffic control. The TSF roads had clear, posted signage. An operator was interviewed about traffic patterns and conditions within the pit. The operator had no immediate concerns, however, they indicated that traffic right of way and patterns can be confusing (especially for new operators). The LV (light vehicle) access road to the 1055 pump was also missing restriction signage and this is especially a concern considering the nature of this road. Operators were observed practicing safe work procedures and operating to the conditions of the operations.

Remedial Action/Results To Be Obtained:

An audit of signage and installation of signage is to be completed within 15 day of this report.

Rectify By/Completion Date: 2020-08-01

Manager Response:

Order #153862-S1-02 – Signage - A road and intersection audit was assigned by Kent Hurley and completed within the Pit at key areas for safe traffic control to avoid confusion. As a result of this audit, three signs were erected. See attached pictures.

(If your response doesn't fit here, please attach a document.)

Order 153862-S1-03 (Inspection Mines):

Status: Open

Issued Pursuant To: Mines Act Section 15(4)

Section 3.9.1, Health, Safety and Reclamation Code for Mines in BC (MA), Fire Fighting Equipment

Observation of Contravention:

The fire extinguisher on haul truck T-05 had its monthly check completed, however the overall condition of the fire extinguisher was at the point of deterioration. The deterioration consisted of rust starting to form on the operating levers, fading paint, damaged/illegible tags and labels. It is understood that the service life is coming due for fire extinguishers on the heavy equipment fleet and a plan is being implemented for servicing fire extinguishers.

Remedial Action/Results To Be Obtained:

An audit and fire extinguisher maintenance/replacement plan for the mine ops heavy equipment fleet is to be in place within 15 days of this report.

Rectify By/Completion Date: 2020-08-01

Manager Response:

Order #153862-S1-03 – Fire Extinguishers - MTM has already received quotes from All Points Fire Protection and W.D. Mobile Extinguishers LTD. to visit the mine site and audit all fire extinguishers. This will include conducting the annual inspection and the replacement of any substandard extinguishers that may be identified. Once the contract is awarded it is estimated that the vendor will complete this task in 3 to 5 working days. The contract shall be awarded by July 31st and it is anticipated that the fire extinguisher audit and any replacements or repairs shall be completed within 30 days of this timeline (August 31).

Advisory 153862-S1-A1 – The berm along the 1040 bench access road was completed the day of the inspection. See attached picture.

(If your response doesn't fit here, please attach a document.)

Advisory 153862-S1-A1

The berm on the 1040 bench along the access road to the explosive magazines and exploration drilling requires an extension of the berm pursuant to part 6.9.1(2)(b) of the HSRC. The road is set back from the crest of the bench and a tracked dozer has recently profiled the area in preparation for blast/drilling. Once the blast is complete, this will bring the drop of closer to the access road. It is understood that the berm will be extended within 2 days of this report. Please provide confirmation that this has been complete.

Advisory Response:

Respond Date:

Bailey, Kristopher W EMPR:EX

From: Mitch Chartrand <Mitch.Chartrand@centerragold.com>
Sent: July 30, 2020 9:41 AM
To: Bailey, Kristopher W EMPR:EX
Cc: MTM JOHSC; MTM Safety; Chuck Hennessey
Subject: June 15, 2020 Inspection Report - 153862 - Managers Response
Attachments: Managers Response to EMPR_InspectionReport_153862_Signed.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hello Kris,

Please see attached managers response from inspection 153862, as well as the referenced material from the response. We will be posting these responses on all of the Safety Boards ASAP.

If you have any questions, concerns or comments please reach out to Mike Daley or myself.

Thanks,

Mitchell Chartrand, CRSP, RSO
Senior Coordinator: Health and Safety
Mount Milligan | Centerra Gold Inc.
T +1 250-996-2500, x14090 | M +1 604-862-0576
mitch.chartrand@centerragold.com | centerragold.com

Remember – Work Safe | Home Safe



MOUNTMILLIGAN

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Managers Response to Inspection 153862

July 28th, 2020

Kris Bailey, Sr. Inspector of Mines
Ministry of Energy and Mines
Prince George BC, V2L 3H9

Re: Managers response to inspection 153862 conducted July 15th, 2020. Inspection report received Friday July 17th @ 11:49.
Response due by end of day Saturday August 1st, 2020. Pictures only.

Order # 1: Restricted access to water pump box location until Shovel 2 relocates. The pump box will then shut down and pad will be repaired as per order response.





MOUNTMILLIGAN

Order # 2: Pictures of traffic signs installed in Pit.

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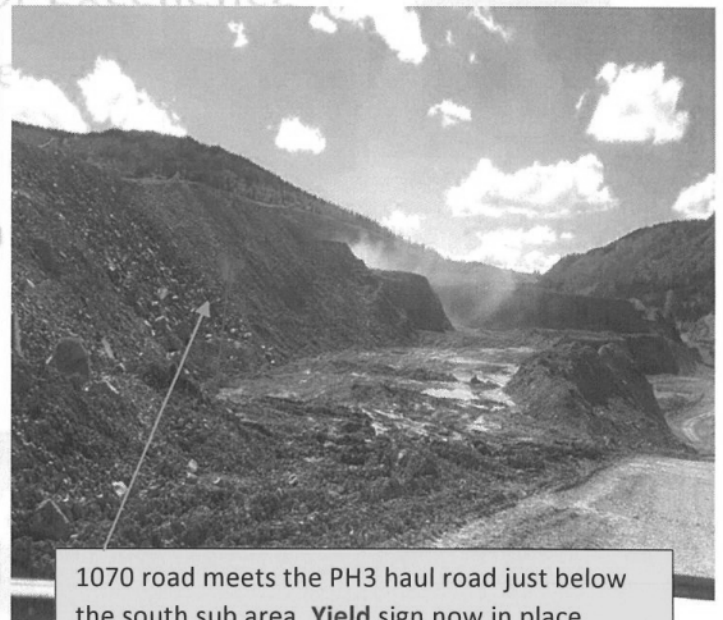
1055 bench meets PH3 haul road. **Stop** sign in place.



Yield sign - 1025 bench meets the PH3 haul road



Laydown for rarely used equipment just off to the side on the north hammer road. This is a short cut road to the access road between the PCC and JAR roads. New **Stop** sign put up.



1070 road meets the PH3 haul road just below the south sub area. **Yield** sign now in place.



MOUNTMILLIGAN

Advisory # 1: The berm along the 1040 bench access road was completed the day of the inspection

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If you have any questions regarding this response please do not hesitate to contact me.

Sincerely,

Chuck Hennessy
Mine General Manager
Mount Milligan | Centerra Gold Inc.
T +1 250-996-2500, x14010 | M +1 250-997-1863
chuck.hennessey@centerragold.com; centerragold.com