



STATE OF
COLORADO

Ridley - DNR, Hunter <hunter.ridley@state.co.us>

Inspection Report, Foidel Creek Mine, C-1982-056

1 message

Ridley - DNR, Hunter <hunter.ridley@state.co.us>

Fri, May 12, 2023 at 5:43
AM

To: "Kawcak, Miranda" <mkawcak@peabodyenergy.com>

Cc: "Mackinnon, Daniel K" <dmackinnon@osmre.gov>

Miranda,

Please find attached the coal partial inspection report for the Foidel Creek Mine (C-1982-056) from May 2, 2023. Let me know if you have any questions or concerns.

Kind regards,
Hunter Ridley
Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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Foidel_May_CP.pdf
5763K



PERMIT INFORMATION

Permit Number: C-1982-056 Mine Name: Foidel Creek Mine Operator: Twentymile Coal, LLC Operator Address: Ms Miranda Kawcak 29515 Routt County Road No. 27 Oak Creek, CO 80467	County: Routt Operation Type: Underground Permit Status: Active Ownership: Private Operator Representative Present: Miranda Kawcak
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: May 2, 2023 Inspection Start Time: 09:30 Inspection End Date: May 2, 2023 Inspection End Time: 11:30		Inspection Type: Coal Partial Inspection Inspection Reason: Normal I&E Program Weather: Cloudy	
Joint Inspection Agency: OSMRE		Joint Inspection Contacts: Dan MacKinnon	
Post Inspection Agency: None		Post Inspection Contacts: 	
Inspector(s): Hunter Ridley	Inspector's Signature: <i>Hunter Ridley</i>		Signature Date: May 12, 2023

Inspection Topic Summary

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

N - Air Resource Protection

Y - Roads

N - Availability of Records

N - Reclamation Success

N - Backfill & Grading

N - Revegetation

R - Excess Spoil and Dev. Waste

N - Subsidence

N - Explosives

N - Slides and Other Damage

N - Fish & Wildlife

N - Support Facilities On-site

R - Hydrologic Balance

R - Signs and Markers

R - Gen. Compliance With Mine Plan

N - Support Facilities Not On-site

N - Other

N - Special Categories Of Mining

N - Processing Waste

R - Topsoil

COMMENTS

This was a partial inspection of the Foidel Creek Mine; DRMS Permit No. C-1982-056, operated by Twentymile Coal, LLC. (TC). This inspection was conducted by Hunter Ridley with the Colorado Division of Reclamation, Mining, and Safety (Division) and OSMRE representative Dan MacKinnon. Miranda Kawcak of TC accompanied the inspection. **Please address the Bold items below.**

MR322 was issued by the Division on 10/25/2022 and approved the relocation of an internal road. This new road is set to be constructed in the Spring of 2023 in the 6MN area. Hay bales put in place as a temporary remedy to the fog issue related to this road rerouting functioned properly throughout the winter season (Photo 14). RN-08 is currently in progress with the Division and has been extended to a decision date of May 19, 2023.

SIGNS AND MARKERS—Rule 4.02

Mine identification markers were observed throughout the site (Photo 1). All information for compliance was present. The missing phone number information on mine signs for HG Loadout and Peabody Sage Creek Mine (see related inspection reports dated March 30, 2023, April 25, 2023 and May 2, 2023) was discussed with the TC representative. **Please update the division when signage has been appropriately amended.**

HYDROLOGIC BALANCE - Rule 4.05

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

A partial function of the stoker coal loadout facility is washing coal product. Last Fall, DMRS noted that this wash plant facility was leaking water behind the building (Photo 5). The building is scheduled for sealing in the spring of this year. In the meantime, the Operator has been using straw bales (Photo 3) and a silt fence (Photo 2 and 4) behind the building to protect Foidel Creek from drainage and sediment from this facility. Currently, water is being pumped from the flooded building to a small pump house to the northeast, where it is eventually discharged

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to Pond E. This pump house is heated so as to avoid winter freezing issues. After sealing the building, water will continue to report to Pond E through this pump system.

The Division followed up with the Operator on plans for new dust control measures at this facility, as mentioned in the March 30, 2023 inspection report. The Operator stated that new dust control measures are not currently in the plan for this area.

Within the main surface facilities area, Pond D, the Pit Pond (Photos 9 and 10), and Pond G are currently discharging (Photo 13). Due to recent heavy snowmelt, Pond D is nearly consumed by runoff, as opposed to its main use for mine water. Drainage from the refuse pile also reports to Pond D (Photo 6). The roads in this area are scheduled to be regraded once conditions have dried out from spring snowmelt and flooding (Photo 11). Berms in this area are still in place and functioning properly, but will also receive maintenance once conditions dry out.

All ponds across the site are scheduled for cleanup in response to the heavy flood events seen in recent weeks. Photo 7 shows a designed ‘sump’ feature, located above Pond B which acts as a preliminary catchment for sediment before it enters its assigned pond. There are several other ‘sump’ areas around the site.

Eroded out pylons are seen under the conveyor system to the south of the train loadout (Photo 8). Shallow bedrock in the area is prone to slippage and erosion. MR317 addressed this issue in 2020 by constructing a suspension bridge for 200 feet of the overland conveyor system in this area.

6MN

Wetlands in the 6MN area were not accessible due to muddy conditions, however the main facilities in this area were accessible (Photo 16). The sediment pond in this area was functioning properly (Photo 15). Water from this sediment pond reports to the million gallon tank and is used for dust control measures underground. The 6MN area experienced heavy flooding in recent weeks. The Operator stated that emergency repairs were done to the 6MN access road as a result. Once flooding subsides, construction of the new road approved by MR322 will begin in this area (Photo 14).

TOPSOIL – Rule 4.06

Topsoil piles around the main surface facilities area and the 6MN area are marked, vegetated, and free of disturbance from the season’s snow plowing.

EXCESS SPOIL AND DEV. WASTE – Rule 4.09 Placement; Drainage Control; Surface Stabilization:

Lifts three and four are under construction, with plans to face and seed these two lifts in the current year. Lifts are built facing downslope to encourage proper drainage into Pond D. Clay overburden material is then taken from the southern portion of the refuse area to cover the pile before adding topsoil from the nearby stockpile to the northeast.

Compaction of refuse material piled throughout the winter is set to begin in the upcoming weeks. Drainage is functioning properly in this area with no standing water atop the pit (Photo 12).

Compaction reports are conducted quarterly. As per the last inspection request (dated April 25, 2023), the Division received the most recent compaction report (1st Q 2023) and the compaction report prior to that (4th Q 2022).

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These were received May 10, 2023. Before this submittal, the last noted compaction report received by the Division was for the 4th Quarter 2016. **In order to complete the public record, please submit all missing compaction reports from 1st Quarter 2017 to 3rd Quarter 2022 to the Division and continue to submit these reports on a timely basis.**

SUBSIDENCE – Rule 4.20

As noted in previous inspection reports, the 2022 Annual Subsidence report was due to the Division on March 1, 2023. The Division received this report on May 10, 2023.

GENERAL MINE PLAN COMPLIANCE:

Ongoing Maintenance Items:

- Protect topsoil piles from cattle
- Reseed topsoil piles, pad slopes, and pipeline corridors, at the newer pads (15 left— 18 left)
- Reestablish portal ditch, clear-out cattails and any non-coal waste
- Reestablish ditch F behind the warehouse pad
- Topsoil pile at the 7E cement drop pad will need to be used to reclaim the site or shaped and seeded.
- Spray weeds and Reseed the waste pile topsoil pile
- Protect topsoil piles along the 6MN road during maintenance and snow plowing activities
- Remove rock dust from 6 NM Reservoir facility pad.
- Seal support building near Wash Plant (Spring 2023)

ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions were initiated as a result of this inspection, nor are any pending.

PHOTOGRAPHS

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Photo 1: Mine sign posted at site entrance.



Photo 2: View NE of the back of the stoker coal loadout facility, Foidel Creek is directly below. A silt fence has been installed to protect Foidel Creek from sediment / runoff from this building.



Photo 3: View S, behind stoker coal loadout building which shows the straw bales put in place to slow the drainage of water from the stoker loadout building to Foidel Creek below.



Photo 4: A silt fence is installed below the stoker loadout building.

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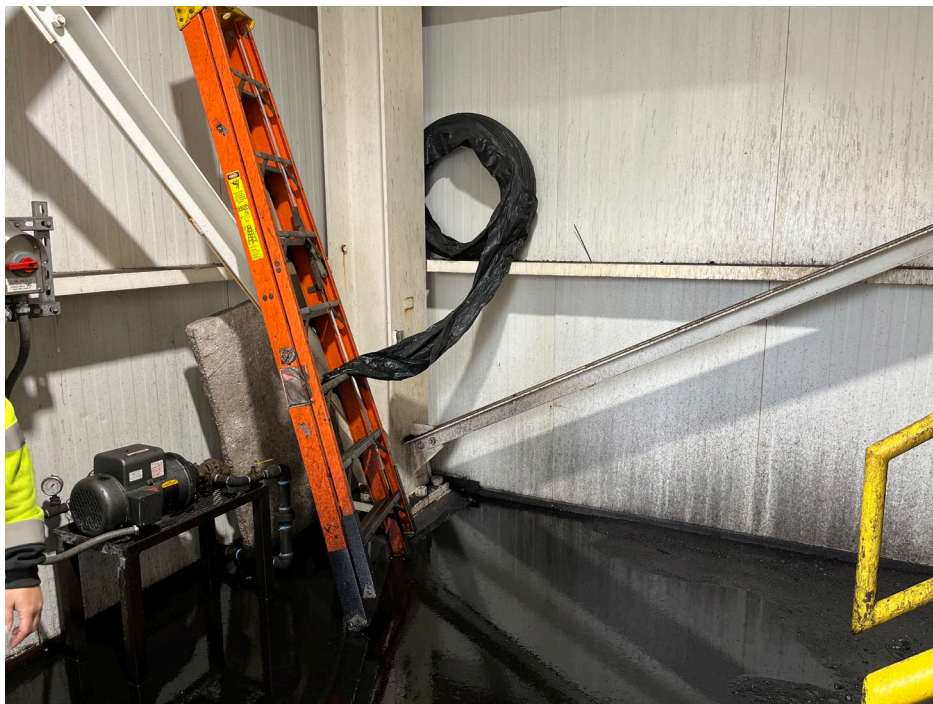


Photo 3: Inside of the stoker loadout facility, building will be sealed in the spring season to prevent seepage. Facility drainage will be directed to the adjacent pump house.



Photo 4: View SE of conveyor, refuse pile, and Pond D discharge point.

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Photo 5: View SW of designed 'sump' feature, located near Pond B



Photo 6: View E of pylon structures and suspended conveyor

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Photo 7: View E of Pit Pond, adjacent to Pond D, discharging at the time of inspection



Photo 8: View S of refuse pile, drainage reports to Pond D

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Photo 9: View N of road between Pit Pond and Pond D, will be regraded once conditions dry out



Photo 12: View S of refuse pile, currently working on 3rd and 4th lift, over burden pile used to reclaim refuse area is located to the east.

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Photo 13: View E, Pond G, discharging, culvert is clean and functioning properly



Figure 14: View N of 6MN ventilation area, MR322 road will be rerouted here when flooding subsides

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Figure 15: View N of 6MN sediment pond



Figure 16: View N of 6MN facilities including 6MN intake shaft, emergency escape, rock dust containment, and electrical substation

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