



STATE OF
COLORADO

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

Foidel Creek Mine Inspection Report

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

Fri, Jan 20, 2023 at 2:08 PM

To: mkawcak@peabodyenergy.com

Miranda,

Please see the attached inspection report for the Foidel Creek Mine, C- 1982-056. If you have any questions, feel free to contact me.

Kind regards,

Hunter Ridley

Environmental Protection Specialist

image.png

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**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

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: January 18, 2023 Inspection Start Time: 09:00 AM Inspection End Date: January 18, 2023 Inspection End Time: 12:00 PM		Inspection Type: Coal Partial Inspection Inspection Reason: Normal I&E Program Weather: Clear	
Joint Inspection Agency: None		Joint Inspection Contacts: None	
Post Inspection Agency: None		Post Inspection Contacts: None	
Inspector(s): Hunter Ridley & Zach Trujillo	Inspector's Signature:  Signature Date: 01/20/2023		

Inspection Topic Summary

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

N - Air Resource Protection

N - Availability of Records

N - Backfill & Grading

Y - Excess Spoil and Dev. Waste

N - Explosives

Y - Fish & Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

Y - Processing Waste

R - Roads

N - Reclamation Success

R - Revegetation

R - Subsidence

N - Slides and Other Damage

R - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

Y - Topsoil

COMMENTS

This was a complete 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 and Zach Trujillo with the Colorado Division of Reclamation, Mining, and Safety (Division) on January 18, 2023. Miranda Kawcak representing Twentymile Coal, LLC(Twentymile) accompanied the inspection. The weather for inspection was snowing with snow covered ground conditions of around 6 inches to 1 foot in depth. High temperatures during the inspection were around 25 degrees fahrenheit. Access to outter ancillary areas were limited due to snowy ground conditions.

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:

The majority of ponds within the facilities area were inspected. Ponds were partially froze over and embankments snow covered. No issues were observed and all ponds were functional. The following table outlines additional information that was observed with each associated pond.

Location	Holding water	discharging	source	goes to	notes
6MN Reservoir	Y	N	mine water		Inspected. No Issues.
6MN ventilation shaft site sed pond	Y	N	pad runoff		Inspected. No Issues.
6MN wetlands	Y	N	Underground dewatering		Water from ponds is pumped to the 6MN reservoir, no discharge permit currently approved at this site

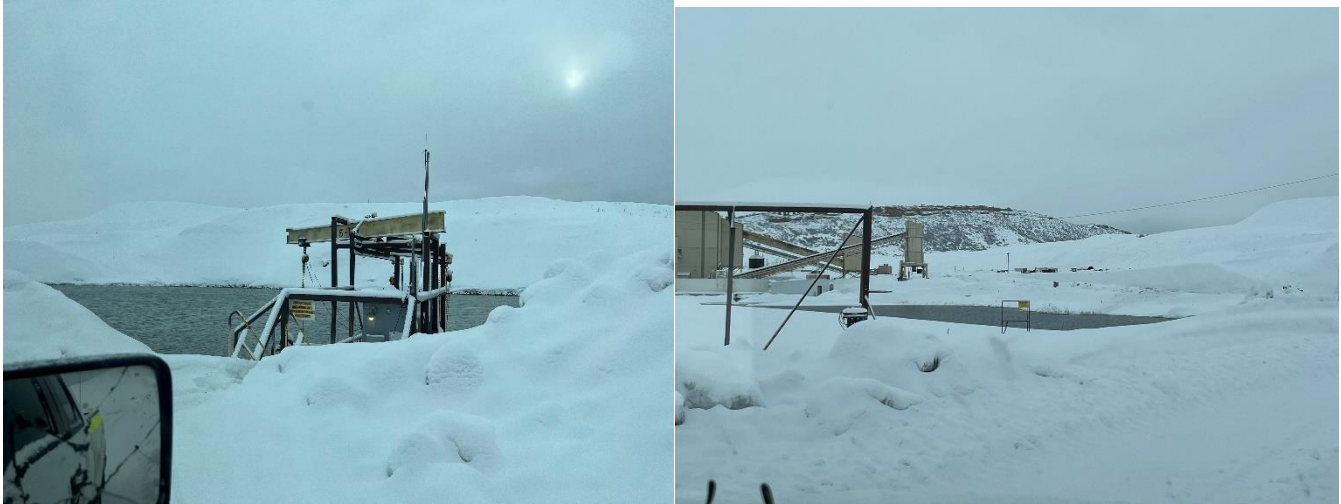
Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0

Fish Creek Tipple pond	Y	Y	Reclaimed tipple		
Fish Creek Borehole	Y	N	mine water (flock added)	Fish creek	3 cell pond, discharge at site 115 triggers sampling at fish creek downstream.
18LT vent shaft ponds	N	N	pad		Pad not active
Pond F	N	N	runoff from facilities	Foidel	Inspected. No Issues.
Pond G	N	N	Surface Runoff from laydown Area	Foidel	Inspected. No Issues.
Pond E	Y	Y	Facilities and roads	Foidel	Cleaned Fall 2022. Inspected. No Issues.
Area No. 1 Pond (Pit Pond)	Y	N	mine, sumps, diversion dich	Pond D	Inspected. No Issues.
Pond D	Y	Y			Mine water. Cleaned Fall 2022. Inspected. No Issues.
Pond B	Y	N	Bob pile	Foidel	3 cell pond, deltas, frequent clean out
Pond C	N	N			Generally dry
Pond T	-	-	laydown area	Foidel	No access, not inspected.
Facility Treatment ponds	Y	N	facilities water	GW discharge	Currently approved to go to the million gallon tank. Revision is needed to update PAP.
Stream buffer zone @ train load-out	NA	NA	Buffer marked by sign and barrels.		Snow covered. Not inspected.

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Pond D pump station.

Pond D.

GENERAL MINE PLAN COMPLIANCE:

The waste pile appeared stable and the face free of weeds and well vegetated. There was no standing water observed on the waste pile. The toe of the pile and underdrains appear stable, with no excess water, and culverts were functional. Waste pile inspection reports have been received by the Division as required.

Topsoil pile at the BOB pile appears stable, well vegetated and undisturbed.

SUBSIDENCE – Rule 2.05.3

The frequency of subsidence report submissions was confirmed to be received on an annual basis with a due date of **March 1st** annually. Please note the 2022 Subsidence Report will be **due to the Division on March 1st 2023**.

SIGNS AND MARKERS—Rule 4.02

Mine identification markers were observed throughout the site. Topsoil piles were marked. All information for compliance was present.

ROADS— Rule 4.03 Construction 4.03. 1(3)/ 4.03.2(3), Drainage 4.03. 1(4)/ 4.03. 2(4), Surfacing and Maintenance 4.03. 1(5) and 6)/ 4.03. 2(5) and(6), Reclamation 4.03. 1(7)/ 4.03. 2(7):

Facility and 6 MN access roads were plowed and well maintained.

SUPPORT FACILITIES – Rule 4.04

The 6 MN corridor was inspected. Majority of facility pads were heavily snow covered and minimal visual observations could be made of the area. The 6 MN vent shaft pad and associated facilities in the area were inspected. The area is has a gravel pad and slopes gently to the north where any runoff is captured by a ditch down

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gradient and directed to a sediment located just adjacent to the pad. The staged rock dust at the entrance to 6MN pump house pad was observed. The pile is scheduled to be removed and within the disturbance boundary. This continues to be a maintenance item. For additional maintenance items documented in previous Division inspection reports, please refer to the maintenance section of this report.

PROCESSING WASTE/COAL MINE WASTE PILES— Rule 4.10 and 4.11 Drainage Control; Surface Stabilization; Placement:

The Refuse Disposal Area (RDA) was inspected. No issues were observed.

Improper storage of diesel fuel materials were noted (Photo 1). Please move these buckets into the appropriate secondary containment area.

REVEGETATION – Rule 4.15

Vegetative cover on pond banks and topsoil piles seem to be abundant and stable.

Ongoing Maintenance Items: Please address the following items as conditions allow

- 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)

DOCUMENTS RECEIVED

OTHER (SPECIFY)

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: Improper storage of diesel fuel materials, buckets located outside of secondary containment structure.

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