STATE OF COLORADO

Bowles - DNR, Brock <brock.bowles@state.co.us>

Foidel Inspection report

1 message

Bowles - DNR, Brock <brock.bowles@state.co.us> Wed, Aug 28, 2024 at 3:42 PM
To: Miranda Kawcak <mkawcak@peabodyenergy.com>, "Howard, Michael" <MHoward@peabodyenergy.com>

Miranda and Mike,
Attached is the August 2024 inspection report for the Foidel Creek Mine, C-1982-056.
Brock

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Brock Bowles
Environmental Protection Specialist

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

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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: Michael Howard
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: August 20, 2024 **Inspection Start Time:** 08:00 **Inspection End Date:** August 21, 2024 **Inspection End Time:** 10:30	**Inspection Type:** Coal Partial Inspection **Inspection Reason:** Normal I&E Program **Weather:** Clear
Joint Inspection Agency: None	**Joint Inspection Contacts:**
Post Inspection Agency: None	**Post Inspection Contacts:**

Inspector(s): Brock Bowles Ben Hammar	**Inspector's Signature:**	**Signature Date:** August 28, 2024

1313 Sherman St. Room 215
Denver, CO 80203
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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
N - Excess Spoil and Dev. Waste
N - Explosives
N - Fish & Wildlife
Y - Hydrologic Balance
N - Gen. Compliance With Mine Plan
N - Other
Y - Processing Waste
N - Roads
N - Reclamation Success
Y - Revegetation
N - Subsidence
N - Slides and Other Damage
N - Support Facilities On-site
N - Signs and Markers
N - Support Facilities Not On-site
N - Special Categories Of Mining
N - Topsoil

COMMENTS

This was a partial inspection of the Foidel Creek Mine conducted by Brock Bowles and Ben Hammar with the Colorado Division of Reclamation, Mining, and Safety (Division). Michael Howard of Twentymile Coal, LLC. (TC) was present for the inspection. The weather at the time of the inspection was clear, warm and the ground was dry.

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:

Ditch D-6 (A-B) between the bathhouse and non-coal waste area was clear of obstructions (photo 1). The culvert shown on Map 24 by the non-coal waste area was not seen on the ground. TC is investigating if it was ever installed.
Ditch D-4 between the employee parking lot and the non-coal waste area contained cattails that are obstructing the flow of the ditch and need to be removed (photo 2).
The area around the transfer building drains into Ditch D-4. At this intersection, a sediment berm has formed restricting the flow of D-4 and needs to be cleaned (photo 3).
Map 24 shows Ditch D-4 going through a culvert between the transfer building and the first sump. This section of D-4 is actually an open ditch on the ground. The cattails in this section of ditch have recently been cleaned (photo 4).
Map 24 shows the water in the first sump being pumped through an underground pipe to a second sump where the water is directed into dual culverts. The second sump and dual culverts were not located on the ground. Although, the sump may be a steel box located in the area where the sump is shown on the map. This needs to be confirmed by TC.
Continuing to follow the water path of Ditch D-4, the dual culverts shown on Map 24 direct the water to a third sump. The east end of the third sump has one culvert where Map 24 shows there should be two culverts. The water is directed out of the third sump by a set of dual culverts. These culverts were not located, most likely due to road maintenance pushing material into the third sump and covering the culvert openings (photo 5).

Number of Partial Inspection this Fiscal Year: 2
Number of Complete Inspections this Fiscal Year: 0

The dual culverts under the 48" Refuse Conveyor belt were in operation, although the northern culvert opening has been damaged and needs to be repaired (photo 6).

Pond B water contained water. The sump above Pond B appear to be at capacity and needs to be cleaned (photo 7). The ditches and culverts under the train tracks draining into Pond B were clear of obstructions.

Pond D contained water and was discharging. The channel with the discharge flume was clear of obstructions.

Pond E contained water and was discharging. The cattails have been removed from around the discharge structure to allow for unrestricted water movement (photo 8). The culvert under the road leading to Pond E has been cleaned.

The cattails were removed from the outlet side of the culvert under the batch weigh loadout road (photo 9).

The debris in the E-1 ditch behind the maintenance shop has been removed (photo 10). The second partial obstruction that was approximately 100 feet to the west, has also been removed.

The area to the west of the stoker coal loadout building has been cleaned up. The loose coal has been removed from the area and a large earthen berm has been put in place (photo 11). The berm directs water away from the retaining wall and towards Pond D where it can be treated through a sediment control structure.

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

The wash plant was in operation and waste was being hauled to the top of the waste pile. The west end of the coal waste pile underdrain appears to be in operating condition (photo 12). There were no signs of standing water. The location of the underdrain as depicted on Map 24 is incorrect. The downhill side of the underdrain was discharging water into the Pit Pond.

REVEGETATION – Rule 4.15
Vegetative Cover; Timing:

The face of the third lift on the coal refuse pile was having the spoil layer applied. The face of the pile had recently been surveyed by a drone and the spoil cap was being final graded. The topsoil has been staged and is ready to be spread.

TC is working with DRMS to identify all the discrepancies noted on Map 24 in this report. TC and DRMS will continue to verify the features of Map 24 over the next 2 inspections and TC will then submit a MR to update the map.

ENFORCEMENT ACTIONS/COMPLIANCE

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

Number of Partial Inspection this Fiscal Year: 2
Number of Complete Inspections this Fiscal Year: 0

PHOTOGRAPHS

Photo 1 – Ditch D6 from bathhouse to non-coal waste area.

Photo 2 – Cattails obstructing Ditch D4

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Photo 3 – Transfer building area draining into Ditch D4

Photo 4 – Ditch D4 between transfer building and first sump

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Photo 5 – West end of third sump where culverts are most likely buried.

Photo 6 – Culverts under the Refuse Conveyor belt need to be repaired.

Number of Partial Inspection this Fiscal Year: 2
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Photo 7 – The sump above Pond B appears to be at capacity.

Photo 8 – Cattails removed from around the Pond E discharge.

Number of Partial Inspection this Fiscal Year: 2
Number of Complete Inspections this Fiscal Year: 0

Photo 9 – Cattails removed from culvert under the batch weigh loadout road.

Photo 10 – Debris removed from Ditch E-1

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Number of Complete Inspections this Fiscal Year: 0

Photo 11 – Berm installed at stoker coal loadout

Photo 12 – Coal waste pile underdrain

Number of Partial Inspection this Fiscal Year: 2
Number of Complete Inspections this Fiscal Year: 0