



STATE OF  
COLORADO

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

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

1 message

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

Wed, Nov 22, 2023 at 2:47 PM

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

Miranda,

Please find attached a copy of the report for the November partial inspection of the Foidel Creek Mine, Permit No. C-1982-056. Please let me know if you have any questions.

Kind regards,  
Hunter Ridley (she/her/hers)  
Environmental Protection Specialist I



**COLORADO**  
Division of Reclamation,  
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Department of Natural Resources

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**Foidel\_Nov\_CP.pdf**

4567K



**PERMIT INFORMATION**

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

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> November 14, 2023 <b>Inspection Start Time:</b> 10:30 <b>Inspection End Date:</b> November 14, 2023 <b>Inspection End Time:</b> 15:30		<b>Inspection Type:</b> Coal Partial inspection (ground visit) with Aerial <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Windy	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>  	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>  	
<b>Inspector(s):</b>  Hunter Ridley Leigh Simmons	<b>Inspector's Signature:</b>  <i>Hunter Ridley</i>  <b>Signature Date:</b>  November 22, 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 &amp; Grading

R - Excess Spoil and Dev. Waste

N - Explosives

Y - Fish &amp; Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

Y - Roads

Y - Reclamation Success

Y - Revegetation

N - Subsidence

N - Slides and Other Damage

N - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

R - Topsoil

**COMMENTS**

This was a partial inspection of the Foidel Creek Mine with a ground visit and aerial; DRMS Permit No. C-1982-056, operated by Twentymile Coal, LLC. (TC). This inspection was conducted by Hunter Ridley and Leigh Simmons with the Colorado Division of Reclamation, Mining, and Safety (Division). Kevin Copeland of TC accompanied the inspection. **Please address the Bold items below.**

To ensure that all reclamation tasks are appropriately bonded for, the Division is currently in the process of collecting field data in an effort to ground truth and update on-site conditions at the Foidel Creek Mine. Aerial data was collected via a drone flight during this inspection and will continue to be collected over several inspections during this process. Final data collection and recalculation of the financial warranty will be completed by July of 2024.

**SIGNS AND MARKERS—Rule 4.02**

Appropriate mine identification signs were observed throughout the site (Photo 1). All information required for compliance was present on signs.

**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:

**Main Facilities Area**

All ponds in the Main Facilities area, except Pond T, Pond F, Pond G, and the wastewater treatment ponds, were visible in the drone photographs. No problems with these features were observed. (Photos 2-6 and 9). All ponds have been cleaned out for the season.

Recently placed BMPs at the stoker coal loadout facility were also noted to still be in place with no signs of erosion occurring around the newly sealed wash plant facility (Photo 12). These BMPs include a silt

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fence, an additional sediment fence located on the western side of the stoker building, and hay bales located at the back of the stoker building.

The buffer zone for Foidel Creek was being maintained in all areas, e.g. the Train Loadout area (Photo 8).

#### Fish Creek Borehole & 6MN Facilities Area

In addition to the drone flight, the Division inspected the 6MN Facilities area and the Fish Creek Borehole. While no aerial photographs were captured in these areas, no problems were observed during the on-the-ground inspection.

#### TOPSOIL – Rule 4.06

The two main topsoil piles to be used for reclaiming the refuse pile and main facilities area were visible in the drone photos. The piles appeared stable and vegetated (Photos 10 and 11).

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

The refuse pile was inspected from above via the aerial. Trucks were actively hauling material at the time of inspection. A drag bar connected to a dozer is used to compact refuse material atop the pile and was seen on the western side of the pile (Photo 12). The pile appeared to be stable with a small amount of standing water visible on the eastern side of the pile (Photo 7). Construction of lift three is currently underway and will continue throughout the winter season as weather allows.

Compaction reports are conducted quarterly. As per the last inspection request (dated September 12, 2023), the Division has received a majority of the missing compaction reports need to complete the public record. The following reports still need to be submitted: 3<sup>rd</sup> Quarter 2021 and 2<sup>nd</sup> Quarter 2023. **Please submit all missing compaction reports through e-permitting to the Division and continue to submit these reports on a timely basis.**

#### GENERAL MINE PLAN COMPLIANCE:

##### **Ongoing Maintenance Items:**

- Protect topsoil piles along the 6MN road during maintenance and snow plowing activities during the winter months.

### **ENFORCEMENT ACTIONS/COMPLIANCE**

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

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## PHOTOGRAPHS



Photo 1: Mine identification sign located at the site entrance road.



Figure 2: Northeastern end of the Pit Pond.

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Figure 3: Southwestern end of Pond D and the Pit Pond.



Figure 4: Northern extent of Pond D.

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Figure 5: Double celled Pond E.



Figure 6: Double celled Ponds B and southern sump.

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Figure 7: View atop the Refuse pile on the eastern side, a small amount of standing water is visible.



Figure 8: Train Loadout area and Foidel Creek.

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Figure 9: Pond C near the Train Loadout.



Figure 10: Topsoil stockpile located to the northeast of the Refuse Pile.

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Figure 11: Topsoil stockpile located to the east of the Refuse Pile.

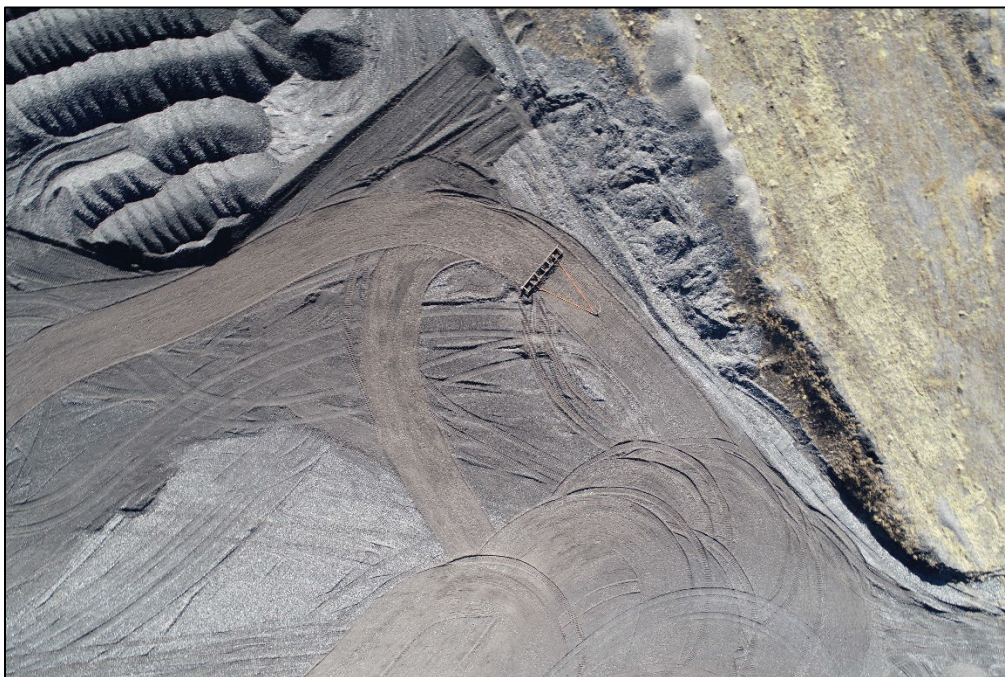


Figure 12: A drag bar is used to compact material on the Refuse Pile.

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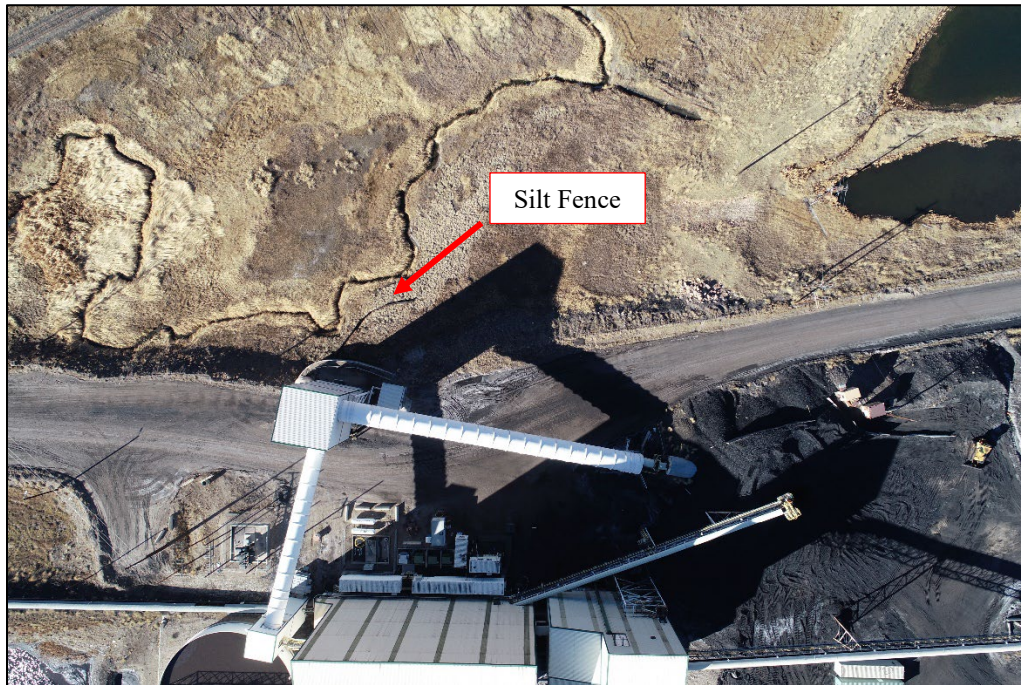


Figure 12: Stoker Coal Loadout Facility and BMPS.

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