



STATE OF
COLORADO

Zuber - DNR, Rob <rob.zuber@state.co.us>

Bowie #2 inspection report

1 message

Zuber - DNR, Rob <rob.zuber@state.co.us>
To: Basil Bear <basilbear@wolverinefuels.com>

Fri, Jul 2, 2021 at 6:10 AM

Hello, Basil

Here is another report from this week.

I hope you have a great holiday.

Rob

Rob Zuber, P.E.
Environmental Protection Specialist II
Active Mines Regulatory Program



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

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COLORADO
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PERMIT INFORMATION

Permit Number: C-1996-083 Mine Name: Bowie No. 2 Mine Operator: Bowie Resources, LLC Operator Address: Mr. Basil Bear P.O. Box 1488 Paonia, CO 81428	County: Delta Operation Type: Underground Permit Status: Active Ownership: Private
	Operator Representative Present: None
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: June 30, 2021 Inspection Start Time: 12:10 Inspection End Date: June 30, 2021 Inspection End Time: 13:20		Inspection Type: Coal Partial Inspection Inspection Reason: Normal I&E Program Weather: Cloudy	
Joint Inspection Agency: None		Joint Inspection Contacts: 	
Post Inspection Agency: None		Post Inspection Contacts: 	
Inspector(s): Robert Zuber, P.E.	Inspector's Signature: <i>Robert D. Zuber</i>		Signature Date: 7/2/2021

Inspection Topic Summary

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

R - Air Resource Protection**N** - Availability of Records**NA** - Backfill & Grading**NA** - Excess Spoil and Dev. Waste**NA** - Explosives**N** - Fish & Wildlife**R** - Hydrologic Balance**Y** - Gen. Compliance With Mine Plan**N** - Other**R** - Processing Waste**R** - Roads**Y** - Reclamation Success**R** - Revegetation**Y** - Subsidence**R** - Slides and Other Damage**R** - Support Facilities On-site**N** - Signs and Markers**NA** - Support Facilities Not On-site**N** - Special Categories Of Mining**R** - Topsoil**COMMENTS**

A partial inspection was conducted by Rob Zuber of DRMS on June 30, 2021. Basil Bear of Bowie Resources, LLC (BRL) was onsite but did not participate in the field inspection.

The weather was cloudy. The ground was muddy in places.

AIR RESOURCE PROTECTION – Rule 4.17:

No issues with fugitive dust from roads, Gob Pile #3, or other parts of the mine were observed.

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 Fire Mountain Canal was flowing full.

Three sediment ponds were inspected: C, D, and J. None of the ponds were discharging. All three contained water well below the spillways. No significant problems were identified with embankments, spillways, inlet channels, or other features of the ponds.

Number of Partial Inspection this Fiscal Year: 8

Number of Complete Inspections this Fiscal Year: 4

PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11

Drainage Control; Surface Stabilization; Placement:

Gob Piles #1, #2 and #4 looked stable. On the upper and lower lifts of Gob Pile #2 only small rills were observed. Most of the drainage control practices on the upper (flat) portion of this pile appear to be functioning well, but some check dams should be repaired. No puddles were observed.

No significant issues were seen at Gob Pile #3, where BRL staff have been focusing their reclamation activities. **Small puddles were seen on the top of this pile. BRL should avoid any larger puddles developing in the future with grading and/or other practices.**

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):

No problems were seen with the road to the portals or the hillsides above and below this road.

The road to Gob Pile #2 and roads at other parts of the mine site were in good condition.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

Cheat grass and bindweed were seen at many locations. Other weeds were observed at the following locations:

- **Thistle at the west side of Gob Pile #2**
- **Russian knapweed near Pond D, especially the outlet channel on the west side.**

SLIDES and DAMAGE - Rule 4.12:

It appears that slumps have not moved significantly in the recent past. These include slumps by the B Portal and by Curve Number 11 along the Haul Road.

SUPPORT FACILITIES - Rule 4.04:

No problems were identified at the facility areas. All benches appeared stable with no signs of erosion beneath them. These include the pads for the B Portal and the D Portal. Other comments on facilities:

- The SAE near Pond D is stable.
- The slopes near the Preparation Plant and nearby water tank are vegetated and stable.
- The slopes above and below the Coal Stockpile Pad are stable.
- The material storage area beside Topsoil Stockpile A is very stable.

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TOPSOIL – Rule 4.06

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

At topsoil stockpiles and coverfill piles, berms, vegetation, and silt fence are keeping these resources in place.

DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

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

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PHOTOGRAPHS



Topsoil Stockpile A



Slopes below portal areas

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D Portal Bench and slope below Utility Bench



Gob Pile #3 and soil piles, from Gob Pile #2

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	Gob Pile #2 drainage channel
	Gob Pile #2 sediment trap
	Gob Pile #2 "Smart Ditch" below sediment trap

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