



STATE OF  
COLORADO

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

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## Bowie #2 inspection report

1 message

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

Mon, Jun 26, 2023 at 1:41 PM

To: Basil Bear <basilbear@wolverinefuels.com>, Tamme Bishop <tammekb@gmail.com>

Hello.

Please see the attached report based on my inspection last week.

Rob

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



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

*I am working remotely and can be reached by cell at 720.601.2276.*

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**INSP-REPORTC\_C1996083\_RDZ\_06262023.pdf**  
2374K



**PERMIT INFORMATION**

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

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> June 22, 2023 <b>Inspection Start Time:</b> 09:35 <b>Inspection End Date:</b> June 22, 2023 <b>Inspection End Time:</b> 12:00	<b>Inspection Type:</b> Coal Partial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear
<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>  Robert Zuber, P.E.	<b>Inspector's Signature:</b>   <b>Signature Date:</b>  6/26/2023

**Inspection Topic Summary**

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

Y - Air Resource Protection

N - Availability of Records

N - Backfill &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

R - Processing Waste

Y - Roads

Y - Reclamation Success

N - Revegetation

N - Subsidence

R - Slides and Other Damage

R - Support Facilities On-site

Y - Signs and Markers

N - 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 22, 2023.

Work on Gob Pile #3 (placement of coverfill) continues, although no operations were seen during the inspection. A surveyor, Steve Craig, was onsite checking coverfill depths. The coverfill pile east of Gob Pile #3 is considerably smaller than in past months, but it appears there is enough material to cover the pile at least 2.5 feet deep (per the reclamation plan).

The weather was clear and warm. 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:

The underdrains at Gob Pile #3 appeared to be functioning and allowing water to flow away from the gob pile. The one that extends under the middle of the pile had considerable flow (estimated at more than 3 gpm). The flow in the drain on the east side was much smaller.

Two sediment ponds were inspected: F and J. Neither of the ponds was discharging, and both were nearly dry. No significant problems were identified with embankments, spillways, inlet channels, or other features of the ponds.

No problems with ditches were identified, including the temporary ditch below Curve Number 8 and the large ditch below Gob Pile #3 (Ditch J3).

The Fire Mountain Canal was flowing full.

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 3 appeared stable. The ditches and BMPs on the upper part of Gob Pile 2 appeared to be functioning. Rills on the upper face of Gob Pile #2 have not significantly increased in size in recent months.

**SLIDES and DAMAGE - Rule 4.12:**

It appears that slumps above Curve Number 6 along the Haul Road, above the B Portal bench, and above Curve Number 11 have not moved significantly in the recent past.

The slide above Curve Number 10 is an ongoing problem, but does not appear to have worsened in June 2023. Ditch C8 continues to be blocked. Water was seeping out of this area and onto the road during the inspection, and BRL is waiting for it to dry out before performing any work on the slope.

The slide above the road to the Utility Bench was observed and will be closely monitored in the future.

**SUPPORT FACILITIES - Rule 4.04:**

The following areas appeared stable with no signs of erosion:

- Utility Bench
- D Portal bench
- The storage area east of and above the D Portal bench
- Material storage area beside Topsoil Stockpile A
- Conveyor corridors
- Slopes above and below the Coal Stockpile Pad
- The area around the office
- The Preparation Plant and nearby water tank
- Pump House and Filter Building
- Old power plant
- Storage area west of Pond D.

**TOPSOIL – Rule 4.06**

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

No erosion or other problems were seen with topsoil stockpiles or coverfill piles.

**DOCUMENTS RECEIVED - none**

**OTHER (SPECIFY) - none**

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Number of Complete Inspections this Fiscal Year: 4

**ENFORCEMENT ACTIONS/COMPLIANCE**

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

**PHOTOGRAPHS**

**Gob Piles - Gob Pile #2 in foreground and blow out on Gob Pile #4 is in the red circle.**

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Coverfill on Gob Pile #3, looking west



Coverfill on Gob Pile #3, looking east

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**Ditch J3 below Gob Pile #3**



**Surveyor on Gob Pile #3**

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**Pond F**



**Pond J**

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**Curve 8**



**Slide above B Portal bench**

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**Slide at Curve 10**



**Slide above the road to the Utility Bench**

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