



STATE OF
COLORADO

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

Report for Bowie #2

1 message

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Wed, Feb 14, 2024 at 4:00 PM

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

Here is my report for Bowie No. 2 Mine. Overall, the site looks good.

Rob

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



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

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INSP-REPORTC_C1996083_RDZ_02142024.pdf
1575K



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: February 13, 2024 Inspection Start Time: 13:40 Inspection End Date: February 13, 2024 Inspection End Time: 14:00		Inspection Type: Aerial 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): Robert Zuber, P.E. Brock Bowles	Inspector's Signature: 		Signature Date: 2/14/2024

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

Brock Bowles of DRMS took aerial photographs of the Bowie No. 2 Mine site on February 13, 2024. Rob Zuber of DRMS reviewed the photographs on February 14, 2024.

Coal production at the Bowie No. 2 Mine ceased in 2016. The mine is in “active” status because BRL continues to perform work on Gob Pile #2 and Gob Pile #3 for many months of the year. Other activities on site are maintenance and monitoring.

AIR RESOURCE PROTECTION – Rule 4.17:

The photographs did not reveal any issues with fugitive dust.

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 following ponds were inspected: B, C, D, F, J, and K. Most of these ponds contained or appeared to contain significant water, with Pond K being the exception. The vegetation in Pond J obscures the bottom, so it is difficult to determine the amount of water in it. No problems were identified with embankments or other features of the ponds.

No problems were detected with any of the surface water control ditches. This includes the diversion ditches above Gob Pile #2 and Gob Pile #4 and the ditches between Gob Pile #3 and Pond J.

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 2

GENERAL MINE PLAN COMPLIANCE:

The photographs revealed no signs of pollutant loading from the mine into the North Fork of the Gunnison River or adjacent lands.

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

Drainage Control; Surface Stabilization; Placement:

No erosion, areas with ponded water, or other problems were identified on any of the gob piles.

The repair of the blowout that occurred on Gob Pile #4 in the spring of 2023 appears stable.

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 any haul roads or access roads.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Gob Pile #1, Gob Pile #4, and the reclaimed portion of Gob Pile #2 all appear to be in stable condition. In general, there is no erosion on the hillsides along the access road to the mine portals and Utility Bench, with exceptions noted in the Slides and Other Damage section of this report.

SUBSIDENCE – Rule 4.20:

The photographs did not reveal any issues with subsidence.

SLIDES and DAMAGE - Rule 4.12:

The slumps above the B Portal Bench, at Curve 10, at Curve 11, and above the road to the Utility Bench have not worsened in recent months.

SUPPORT FACILITIES - Rule 4.04:

No problems were identified with any facility areas, including the following: the Utility Bench, the D Portal Bench, the B Portal Bench, the Material Storage Area by TSS A, the Conveyor Corridor, the Coal Stockpile Pad, the office, the Preparation Plant area, the storage area and buildings near Pond D, the old power plant, the Pump House and Filter Building, the train loadout area, and the tracks near the train loadout.

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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:

No erosion or other issues were identified at soil piles.

DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

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

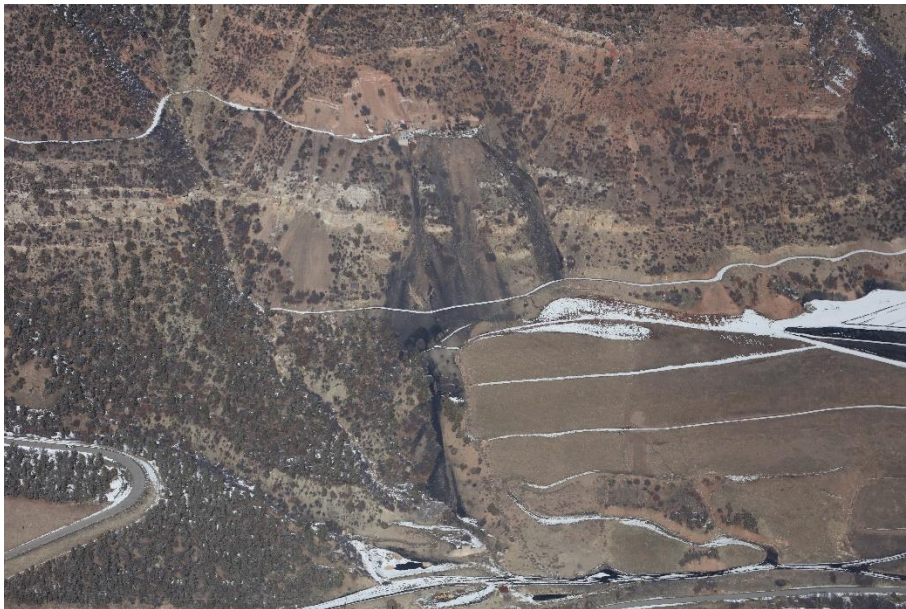
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PHOTOGRAPHS



Gob Pile 2 and Pond F



Gob Pile 4 and Ponds C and D

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Number of Complete Inspections this Fiscal Year: 2



Gob Pile 3 and area below it



Gob Pile 3, from above it

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Pond B (front center), facilities area, lower haul road, lower conveyors, and Topsoil Stockpile A (circled)

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B Portal Bench, slope below D Portal Bench, and upper conveyors



D Portal Bench and Utility Bench

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