



STATE OF
COLORADO

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

Aerial for Bowie #2 September inspection

1 message

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

Thu, Sep 9, 2021 at 11:26 AM

Hi, Basil

Brock flew over your sites yesterday, and the resulting report for Bowie #2 is attached.

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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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: September 8, 2021 Inspection Start Time: 10:25 Inspection End Date: September 8, 2021 Inspection End Time: 10:35		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: <i>Robert D. Zuber</i>		Signature Date: 9/9/2021

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**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**Y** - Subsidence**R** - Slides and Other Damage**R** - Support Facilities On-site**N** - Signs and Markers**R** - Support Facilities Not On-site**NA** - Special Categories Of Mining**R** - Topsoil**COMMENTS**

Brock Bowles of DRMS took aerial photographs of the Bowie No. 2 Mine site on September 8, 2021. Rob Zuber of DRMS reviewed the photographs on September 9, 2021.

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 #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. All of these ponds appeared to contain water. 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.

The Fire Mountain Canal, an irrigation ditch that runs through the Bowie #2 permit area, was not flowing at the time of the inspection.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

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 areas with large amounts of ponded water were identified on any of the gob piles.

Minor erosion on Gob Pile #2 and Gob Pile #3 does not appear to be a problem, and there is no sign of significant coal waste in the ditch below Gob Pile #3 (Ditch J3).

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 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 adequate condition with minimal areas that are bare. The hillsides along the access road to the mine portals and Utility Bench appear to be in good condition. No signs of erosion can be seen in the photographs.

SLIDES and DAMAGE - Rule 4.12:

The slumps above the B Portal Bench and at Curve 11 have not worsened in recent weeks.

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 Curve #4, the Conveyor Corridor, the Coal Stockpile Pad, the office, the Preparation Plant area, the storage area and buildings near Pond D, the Pump House and Filter Building, the train loadout area.

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

The pad for the Terror Creek Vent Shaft was inspected. No problems were identified. Also, no problems were seen at the pads for GVB-B17A, GVB-B17B, GVB-B17C, or GVB-B17D.

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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

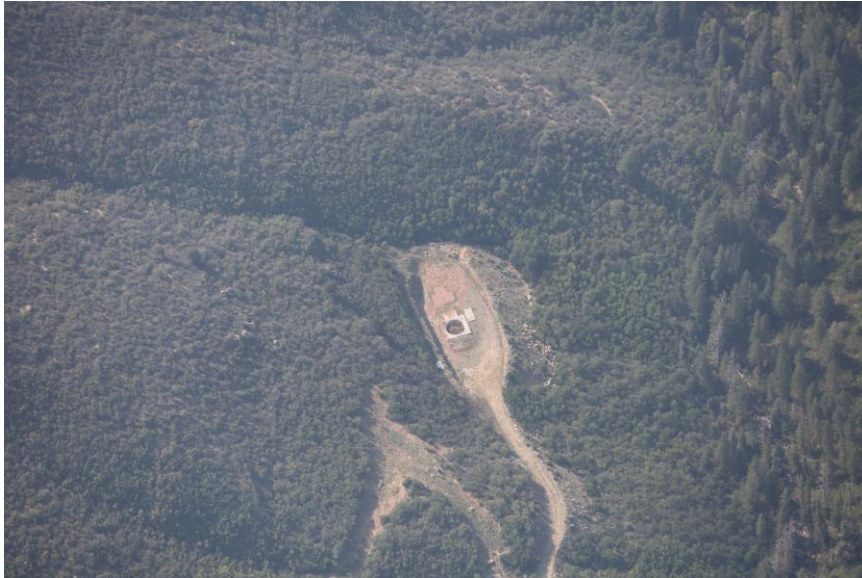
ENFORCEMENT ACTIONS/COMPLIANCE

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

Number of Partial Inspection this Fiscal Year: 2

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PHOTOGRAPHS



Pad for Terror Creek Vent Shaft



Pads for gob vent boreholes (B17 series)

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Number of Complete Inspections this Fiscal Year: 1



Utility Bench with rock fall protection berm



Benches for Portals B and D and upper part of access road

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



Road to portal benches



Facilities and Pond B

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



Gob Pile #2



Lower part of Gob Pile #2 and Pond F

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Gob Pile #4 and surrounding area



Gob Pile #3, soil piles, and Pond J

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1