



STATE OF
COLORADO

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

Inspection Reports

1 message

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

Mon, Aug 2, 2021 at 6:56 AM

Hello, Basil

Attached are two reports for aerial inspections of Bowie No. 1 and Bowie No. 2 Mines. Let me know if you have comments or inspections.

Also, let me know if you want me to cc Tamme Bishop or Jim Stover when I send my inspection reports.

Thanks,
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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2 attachments



INSP-REPORTC_C1981038_RDZ_08012021043453.pdf
972K



INSP-REPORTC_C1996083_RDZ_08012021050213.pdf
1313K



COLORADO
Division of Reclamation,
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Department of Natural Resources

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: July 30, 2021 Inspection Start Time: 11:14 Inspection End Date: July 30, 2021 Inspection End Time: 11:19		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: 8/1/2021

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**R** - Gen. Compliance With Mine Plan**N** - Other**R** - Processing Waste**R** - Roads**R** - Reclamation Success**N** - Revegetation**N** - Subsidence**R** - Slides and Other Damage**R** - Support Facilities On-site**N** - Signs and Markers**R** - Support Facilities Not On-site**N** - Special Categories Of Mining**R** - Topsoil**COMMENTS**

Brock Bowles of DRMS took aerial photographs of the Bowie No. 2 Mine site on July 30, 2021. Rob Zuber of DRMS reviewed the photographs prior to August 2, 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. Four of these ponds appeared to contain water (Pond K being the exception). 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 flowing close to full at the time of the inspection.

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0

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 appear to be in excellent condition. No signs of erosion can be seen in the photographs.

SLIDES and DAMAGE - Rule 4.12:

The large slide on the hill west of Hubbard Creek was inspected and does not appear to be growing in size.

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.

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0

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: 1

Number of Complete Inspections this Fiscal Year: 0

PHOTOGRAPHS



Unit Train Loadout tracks (west side) in center of photo



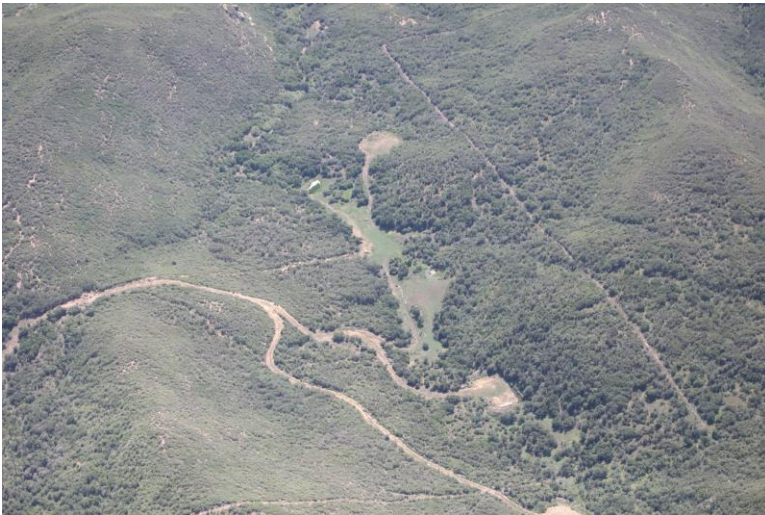
Southeast portion of site (Gob Pile #3 in foreground)

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0



Access road and area near portals



Pads for Gob Vent Boreholes (B17 series)

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0



Terror Creek Vent Shaft



Slide area in Hubbard Creek watershed

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0



Gob Pile #2



Pond F and nearby area

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0



Pond J and soil piles



Gob Pile #3

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0