



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 29, 2022 Inspection Start Time: 11:10 Inspection End Date: September 29, 2022 Inspection End Time: 13:30		Inspection Type: Coal Partial 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.	Inspector's Signature: <i>Robert D. Zuber</i>		Signature Date: 9/30/2022

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

Y - 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

Y - Roads

Y - Reclamation Success

R - Revegetation

Y - Subsidence

R - Slides and Other Damage

R - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

Y - Special Categories Of Mining

R - Topsoil

COMMENTS

A partial inspection was conducted by Rob Zuber of DRMS on September 29, 2022.

BRL continues to focus their efforts on Gob Pile #3, and it appears that this work is nearly complete. During the inspection, several piles of material had been placed on the east side of the pile. They were moved from the Coal Stockpile Pad. The majority of the site has a gentle grade to the south, and it appeared to be well compacted. The north side has approximately a 3H:1V grade.

At Gob Pile #2, Jeremy Harshman of Buckhorn Engineering was collecting data from inclinometers and vibrating wire piezometers (VWPs). At VWP-10, only a slight change was detected from the last reading in June 2022.

The weather was clear and hot. 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:

Six sediment ponds were inspected: B, C, D, F, J, and K. None of the ponds were discharging. Most of the ponds contained water or the bottom is obscured with vegetation. Pond K, the exception, was dry. None of the ponds were close to full. No significant problems were identified with embankments, spillways, inlet channels, or other features of the ponds.

No issues were identified with most culverts or ditches. A culvert at Curve 5, however, was found to be approximately 80 percent clogged. BRL staff should identify if this structure is still a part of the surface water control system (perhaps culvert C-B9). If it is, it needs to be cleaned.

The Fire Mountain Canal was dry. A small flow was in Deer Trail Ditch.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

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

Drainage Control; Surface Stabilization; Placement:

Overall the gob piles appeared stable. No large puddles or other significant problems were observed.

Rills were visible on the upper (bare) slopes of Gob Pile #2, but they are small.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

The primary listed weed that was observed during the inspection was halogeton; it was seen by the Prep Plant, on the B Portal Bench, and on the D Portal Bench.

Evidence of treatment of weeds, including dead thistle plants, was seen in many locations.

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:

The following areas appeared stable with no signs of erosion:

- Utility Bench
- D Portal bench
- B Portal bench
- Material storage area beside Topsoil Stockpile A
- Conveyor corridors
- Slopes above and below the Coal Stockpile Pad
- The area around the office
- Slopes near the Preparation Plant and nearby water tank
- Old power plant
- Storage area west of Pond D
- The Unit Train Loadout.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

SIGNS AND MARKERS – Rule 4.02:

Disturbance markers, topsoil stockpile markers, and entrance signs were seen in many locations, and no compliance issues were noted.

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 problems were seen with topsoil stockpiles or coverfill piles. They were all well vegetated.

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 #3, sloping to right (south)



Gob Pile #3, slope on north side

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Pond F



Pond J

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



Gob Pile #2 upper outslope



Ditch D-F4, east of Gob Pile #2

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Collecting data from VWP-10



Collecting data from inclinometer, BGI 05-04

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Gob on Coal Stockpile Pad



Clogged culvert at Curve 5

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