



**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> May 18, 2022 <b>Inspection Start Time:</b> 08:00 <b>Inspection End Date:</b> May 18, 2022 <b>Inspection End Time:</b> 10:30		<b>Inspection Type:</b> Coal Complete 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>  <i>Robert D. Zuber</i>		<b>Signature Date:</b>  5/19/2022

**Inspection Topic Summary**

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

Y - Air Resource Protection

R - Availability of Records

Y - 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

R - Roads

R - Reclamation Success

R - Revegetation

Y - Subsidence

R - Slides and Other Damage

R - Support Facilities On-site

R - Signs and Markers

Y - Support Facilities Not On-site

Y - Special Categories Of Mining

R - Topsoil

**COMMENTS**

A complete inspection was conducted by Rob Zuber of DRMS on May 18, 2022.

BRL continues to focus their efforts on Gob Pile #3, and significant progress has been made in 2022. During the inspection, rows of material were being spread on the east side of the pile.

The weather was clear and warm. The ground was dry.

**AVAILABILITY OF RECORDS – Rule 5.02.4(1):**

The records were found to be very well organized, but quarterly pond inspections are not current. BRL needs to add the newer document to the binder. Please see the Availability of Records form in this report.

**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. Many of the ponds contained water, but 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 problems were found with ditches. The ditch that flows into Pond F from the west (Ditch F7) has been cleaned recently.

The Fire Mountain Canal was flowing full.

Number of Partial Inspection this Fiscal Year: 5

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:

Overall the gob piles appeared stable.

Rills were visible on the upper (bare) slopes of Gob Pile #2, but they are small. No puddles or other problems were observed on the upper, flat portion of this pile. The lower slopes of this pile were mostly covered with green vegetation, much of which appeared to be yellow sweet clover.

**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 significant problems were seen with the road to the portals, although some areas of the road may require repairs of cracks in the next year or two to prevent larger problems. The hillsides above and below this road were generally stable.

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

The grass and other ground vegetation is sparse at the reclaimed pad for the former Hubbard Creek Vent Shaft. Feces in this area suggest that the area has been grazed by sheep.

No problems were seen at the Rock Laydown area near Hubbard Creek.

**REVEGETATION – Rule 4.15**

Vegetative Cover; Timing:

Some weeds were seen around the site, including white top by the Prep Plant.

**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. The Division recommends that these continue to be monitored closely by BRL.

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**SUPPORT FACILITIES - Rule 4.04:**

All benches appeared stable with no signs of erosion. These include the pads for the Utility Bench, B Portal bench and the D Portal bench. Other comments on facilities:

- No problems were seen in the area around the Pump House and Filter Building.
- No problems were seen around the old power plant or the storage area west of Pond D.
- No erosion was seen on the slopes near the Preparation Plant and nearby water tank.
- The slopes above and below the Coal Stockpile Pad are stable.
- The material storage area beside Topsoil Stockpile A is very stable.
- No erosion or other problems were seen along the conveyor corridors.
- No erosion or other problems were identified at the eastern portion of the Unit Train Loadout.

**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 #2**



**Pond F**

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**Reclaimed pad for the former Hubbard Creek Vent Shaft**



**Pond J**

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**Slopes below the D Portal pad**



**Cracks on road to portals (Curve 5)**

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**AVAILABILITY OF RECORDS****PERMIT RECORDS**

DRMS Permit	Exp. 4 April 2022 (RN-05 in review)
Permit Application w/Revisions	yes
Findings Document	RN4, 20 Novmbr. 2017
Insurance Certificate	Expires 1 May 2023
Bond Documents	SEE COMMENT 1
Phased Bond Release Documents/Findings	SL2, 30 Decmbr. 2016
Air Emission Permits	98DL0726 Exp. 2024
County Special Use Permits	NA
UG Mining Landowner Notification	Several years
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	March 1, 2022
Vegetation Monitoring Data	NA
Specific Variance Approvals	NA
Annual Reclamation Reports	2021
Midterm Review Documents	MT5, 3 October 2019
DRMS/OSM Inspection Reports/Enforcement Actions	Through April 2022
Transfers/Succession of Operator	10 August 2009
Temporary Cessation Notification	NA
Reclamation Cost Estimate	SEE COMMENT 2

**CERTIFICATIONS**

Pond Certifications	4Q 2021
Fill Certifications for Underground Development Waste	Vol. IV for Gob Pile #1
• Quarterly Inspections	1Q 2022
• Compaction Testing	January 2022
• Final Certification	NA
Certs. for Coal Processing Waste Banks	Vols IX, XI (Gob Piles 2, 3, 4)
Haul Road Certifications	Yes, 2013
Access Road Certifications	Map 15 series

**HYDROLOGIC RECORDS**

NPDES Permit	CO-0044776, Exp.Sept. 2024
NPDES Records (DMRs)	Through March 2022
Stormwater Management Plan	Revised January 2020
SPCC Plan	May 2013
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	4Q 2021
Annual Hydrology Reports	2020
• Ground Water Monitoring	yes
• Surface Water Monitoring	yes
• Spring & Seep Monitoring	NA
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	NA

**BLASTING RECORDS**

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	NA

**ADDITIONAL RECORDS  
(specify)**

SWMP Report	January 2022

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**COMMENTS:**

1. Bond documents entail five corporate sureties (Lexon Company) for total of \$10,971,057.58:
  - Bond # 1071397 for \$3,154,277.10
  - Bond # 1071402 for \$1,024,357.97
  - Bond # 1071403 for \$2,500,000.00
  - Bond # 1071404 for \$2,217,169.51
  - Bond # 1071405 for \$2,075,253.00.
  
2. The RCE for MT-05 totaled \$10,149,223. Additional \$311 from TR-119.

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