



**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>  Basil Bear
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> November 29, 2022 <b>Inspection Start Time:</b> 07:45 <b>Inspection End Date:</b> November 29, 2022 <b>Inspection End Time:</b> 10:15		<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Cloudy	
<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>  12/1/2022

**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

R - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

R - Processing Waste

R - Roads

Y - Reclamation Success

Y - Revegetation

Y - Subsidence

R - Slides and Other Damage

R - Support Facilities On-site

Y - Signs and Markers

R - Support Facilities Not On-site

Y - Special Categories Of Mining

R - Topsoil

**COMMENTS**

A complete inspection was conducted by Rob Zuber of DRMS on November 29, 2022. Parts of the site were not accessed due to icy roads, including Gob Pile #2 and the Utility Bench. However, these areas were viewed from afar.

Basil Bear was on site throughout the inspection (although not with the inspector in the field), and he was in the office during the records review and for a pre-inspection discussion.

BRL continues to focus their efforts on Gob Pile #3, and they have recently been spreading the coverfill material. Basil Bear showed the inspector drone photographs from November 21, 2022. In these photographs, progress spreading the material was evident, but Basil indicated that the work will not likely continue in 2022 due to weather. It appears that the backfilling, grading, topsoiling, and seeding will be completed in 2023.

The weather was cloudy and cold. The ground was mostly covered with snow.

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

The records were found to be very well organized. Please see the Availability of Records form in this report.

**FISH and WILDLIFE – Rule 4.18:**

Many deer were seen onsite.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

**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:

Four sediment ponds were inspected: B, F, J, and K. None of the ponds were discharging. None of the ponds contained significant water; ice and snow were well below spillways. No significant problems were identified with embankments, spillways, inlet channels, or other features of the ponds.

Ponds C and D were not inspected, but the area directly below these ponds (near the old power plant) was inspected, and no signs of problems with Ponds C and D were identified.

Based on review of Basil Bear's drone photographs, the ditches and erosion control practices on Gob Pile #3 are functioning well.

**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.

**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):

The road to the portals, and the slopes adjacent to the roads, were in good condition.

**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.

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**SUPPORT FACILITIES - Rule 4.04:**

The following areas appeared stable with no signs of erosion:

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

**OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:**

The Hubbard Creek facilities (Vent Shaft pad and Rock Laydown area) were not accessed due to safety concerns (icy road).

**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 problems were seen with topsoil stockpiles or coverfill 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**



**Northeast portion of Gob Pile #3**



**Northwest portion of Gob Pile #3**

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**Road to Gob Piles 1, 2, and 4**



**Pond F**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2





**Topsoil Stockpile A**



**Slump above B Portal**

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**Area above Curve 10 near the B Portal**



**Slope below the D Portal**

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**Pond J**



**Railroad tracks west of the Unit Train Loadout**

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Number of Complete Inspections this Fiscal Year: 2

**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 October 2022
Transfers/Succession of Operator	10 August 2009
Temporary Cessation Notification	NA
Reclamation Cost Estimate	SEE COMMENT 2

**CERTIFICATIONS**

Pond Certifications	2Q 2022
Fill Certifications for Underground Development Waste	Vol. IV for Gob Pile #1
• Quarterly Inspections	3Q 2022
• Compaction Testing	October 2022
• Final Certification	NA
Certs. for Coal Processing Waste Banks	Vols IX, XI (Gob Piles 2, 3, 4)
Haul Road Certifications	1998 and 2013
Access Road Certifications	Map 15 series

**HYDROLOGIC RECORDS**

NPDES Permit	CO-0044776, Exp.Sept. 2024
NPDES Records (DMRs)	Through October 2022
Stormwater Management Plan	Revised January 2020
SPCC Plan	May 2013
MSHA Pond Inspections	NA
State Engineer's Pond Inspection Quarterly Pond Inspections	NA 3Q 2022
Annual Hydrology Reports	2021
• 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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