



STATE OF
COLORADO

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

Bowie No. 2 inspection report

1 message

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Mon, Mar 7, 2022 at 7:02 AM

To: Basil Bear <basilbear@wolverinefuels.com>, Tamme Bishop <tamme.jestover@bresnan.net>

Basil -

Here is the report for Bowie #2.

Rob

Rob Zuber, P.E.
Environmental Protection Specialist
Active Mines Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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INSP-REPORTC_C1996083_RDZ_03062022045003.pdf
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COLORADO
Division of Reclamation,
Mining and Safety
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: Basil Bear
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: March 3, 2022 Inspection Start Time: 12:00 Inspection End Date: March 3, 2022 Inspection End Time: 14:40		Inspection Type: Coal Complete 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: 3/6/2022

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 & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish & 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

R - Signs and Markers

Y - Support Facilities Not On-site

Y - Special Categories Of Mining

Y - Topsoil

COMMENTS

A complete inspection was conducted by Rob Zuber of DRMS on March 3, 2022. Basil Bear of Bowie Resources, LLC (BRL) did not participate in the field inspection, but was in the office during the records check.

BRL continues to focus their efforts on Gob Pile #3. Based on weather and ground conditions, Gob Pile #2 may be the focus for part of 2022.

The weather was clear and seasonably warm. The ground was covered with snow in some areas and very muddy in other areas. The sites along the Hubbard Creek Road were not inspected due to inaccessible road conditions. Basil indicated that he would have his staff address this problem in the near future.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

The records were found to be well organized and complete. A list of records is provided at the end of this report.

FISH and WILDLIFE – Rule 4.18:

Many deer and elk were seen on site. Turkeys were seen near the train loadout.

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. Five of the ponds contained water from recent precipitation, but none of the ponds were close to full. (In Pond K, there was no standing water but the soil was muddy.) No significant problems were identified with embankments, spillways, inlet channels, or other features of the ponds.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3

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

Drainage Control; Surface Stabilization; Placement:

Overall the gob piles appeared stable. Due to extremely muddy conditions, the piles were observed from afar.

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 small areas of the road may require repairs in the next year or two to prevent larger problems. The hillsides above and below this road were generally stable.

The road to Gob Pile #2 was very muddy.

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.

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 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.

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DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Road to Gob Pile #2, west of old power plant (pile on upper left)

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North side of Gob Pile #3



East end of Gob Pile #3

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B Portal bench



B Portal bench

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3



Curve 11 slump



Slope below D Portal bench

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Number of Complete Inspections this Fiscal Year: 3



Pond F



Pond J

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp. 4 April 2022
Permit Application w/Revisions	yes
Findings Document	RN4, 20 Novmbr. 2017
Insurance Certificate	Expires 1 May 2022
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 31, 2021
Vegetation Monitoring Data	NA
Specific Variance Approvals	NA
Annual Reclamation Reports	2020
Midterm Review Documents	MT5, 3 October 2019
DRMS/OSM Inspection Reports/Enforcement Actions	Through January 2022
Transfers/Succession of Operator	10 August 2009
Temporary Cessation Notification	NA
Reclamation Cost Estimate	SEE COMMENT 2

CERTIFICATIONS

Pond Certifications	2Q 2021
Fill Certifications for Underground Development Waste	Vol. IV for Gob Pile #1
• Quarterly Inspections	4Q 2021
• Compaction Testing	November 2021
• 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 February 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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