



STATE OF
COLORADO

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

Bowie No. 1 inspection report

1 message

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Mon, Mar 7, 2022 at 6:25 AM

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

Hello, Basil

Please see my inspection report from last week.

Rob

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



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

I am working remotely and can be reached by cell at 720.601.2276.

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COLORADO
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Department of Natural Resources

PERMIT INFORMATION

Permit Number: C-1981-038 Mine Name: Bowie No. 1 Mine Operator: Bowie Resources, LLC Operator Address: Mr. Basil R 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: 14:00 Inspection End Date: March 3, 2022 Inspection End Time: 16:15		Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Cloudy	
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

Y - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

R - Roads

R - Reclamation Success

R - Revegetation

Y - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

R - 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) was present for the records check in the BRL office, but was not present for the field inspection.

No mining or reclamation activities were being conducted at this site. BRL is focusing on Bowie No. 2 in 2022.

Mr. Bear indicated that he is still considering options related to the fallen fence at the upper part of the East Mine.

The weather was cloudy and warm. The ground was covered with snow at the West Mine and muddy at the East Mine and Loadout.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

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

FISH and WILDLIFE – Rule 4.18:

Deer were seen at the Loadout, near the substation.

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 ponds at the loadout, the Coal Storage Area (near Black Bridge Road), and the West Mine were dry, and no problems were identified with these ponds. Riprap ditches at the East Mine are stable.

The Farmers Ditch was not flowing.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3

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):

Roads at the East Mine were not inspected closely due to muddy conditions; no signs of problems were seen from below. The road to the ROM area is in good shape.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

No erosion was seen at the reclaimed areas of the East Mine, including:

- The main area along the haul road and around the old portals
- The Refuse Disposal Area (RDA)
- The Old Waste Disposal Area
- The drainage where the reclaimed ponds (Ponds 1 – 4) are located.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

At the first bend in the haul road west of the RDA (across the valley from the ROM), the slope below the road was inspected. It was generally stable, but a bare spot was seen near the bottom (edge of disturbed area). BRL should use silt fence, erosion logs, or other practices to prevent erosion at this location.

SLIDES and DAMAGE - Rule 4.12:

The slope around the fallen fence at the upper part of the East Mine was stable.

SIGNS AND MARKERS – Rule 4.02:

Entrance signs and boundary markers were seen in many locations.

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

No problems were seen with the Coal Storage Area by Black Bridge Road.

The slope below the Loadout is stable. No erosion or other problems were seen there. Some trash, equipment, and branches were seen at the Loadout, and BRL should remove the trash and branches in the near future.

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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



Slope below Loadout

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Bare area below haul road (southwest corner of East Mine)



Stable slope below haul road (southwest corner of East Mine) with roughened surface to prevent erosion

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East Mine viewed from bottom



Refuse Disposal Area at East Mine

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Looking up drainage where Pond 1 and Pond 2 were located (now reclaimed)



Looking down drainage where Pond 3 and Pond 4 were located (now reclaimed)

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West Mine lower pond



West Mine sign and slope

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	RN7 exp. 4/20/2023
Permit Application w/Revisions	On shelf
Findings Document	RN7 findings 3/30/2018
Insurance Certificate	Exp.5/1/2022
Bond Document	SEE COMMENT 1
Phased Bond Release	SL6, Findings
Documents/Findings	2/15/2018
Air Emission Permits	NA
County Special Use Permits	NA
UG Mining Landowner Notification	1993 and 1994
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	March 31, 2021
Vegetation Monitoring Data	
Specific Variance Approvals	2.06.1(3) Steep Slope
Annual Reclamation Reports	2021
Midterm Review Documents	MT8 10/13/2020
DRMS/OSM Inspection	Thru
Reports/Enforcement Actions (3 Years)	January 2022
Transfers/Succession of Operator	7/29/2009
Temporary Cessation Notification	NA
Reclamation Cost Estimate	SEE COMMENT 2
CERTIFICATIONS	
Pond Certifications	W-1 and W-2 (2002)
Annual Certifications for Large Impoundments	NA
Fill Certifications for Excess Spoil or Underground Development Waste	Yes 2/4/1987
• Quarterly Inspections	NA
• Compaction Testing	NA
• Final Certification	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	Yes, several years
Access Road Certifications	Yes, PAP Vol. 8A

HYDROLOGIC RECORDS

NPDES Permit	CO-0049045 Exp. 2025
NPDES Records (DMRs)	February 2022
Stormwater Management Plan	Aug. 2018
SPCC Plan	No longer valid
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	October 2021
Annual Hydrology Reports	2020
• Ground Water Monitoring	2020 AHR
• Surface Water Monitoring	2020 AHR
• Spring & Seep Monitoring	2020 AHR
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	NA

BLASTING RECORDS

NA

ADDITIONAL RECORDS

CDOT Access Permits	June 1999
Annual Subsidence Report (in AHR)	2019

COMMENTS:

1. Two instruments with Lexon Insurance Co.: \$2,500,000 + \$380,000 = \$2,880,000.
2. The cost estimate of \$1,639,674 (from MT8) does not match liability. This is explained in SL-06 findings.

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