



STATE OF
COLORADO

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

Bowie #1 inspection report

1 message

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Fri, Mar 22, 2024 at 12:04 PM

To: Basil Bear <basilbear@wolverinefuels.com>, Tamme Bishop <tammekb@gmail.com>

Basil and Tamme -

Here is the report from my inspection on Wednesday.

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_C1981038_RDZ_03222024.pdf
1287K



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 20, 2024 Inspection Start Time: 10:00 Inspection End Date: March 20, 2024 Inspection End Time: 12:00	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:  Signature Date: 3/22/2024

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

Y - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

Y - Revegetation

Y - Subsidence

Y - 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 20, 2024. Basil Bear of Bowie Resources Limited (BRL) was at the loadout portion of the inspection.

No mining or reclamation activities were being conducted at this site. BRL is focusing on Bowie No. 2 in 2024. Mr. Bear indicated that he may work on reclamation at the West Mine in 2024, depending on schedules at other locations.

BRL plans to remove part of the long culvert at the loadout in 2025; approximately the upper half will be removed. A conceptual design for this project will be sent to the Division in spring of 2024. A technical revision application will be submitted later (after discussions on the conceptual plan), and the ditch company will be notified.

The weather was warm for March and clear. The ground was mostly dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

The records were found to be well organized and complete. Please see the list of records included 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:

The ponds at the loadout, the Coal Storage Area (near Black Bridge Road), and the West Mine were empty of water, and no problems were identified with these ponds.

The irrigation ditch that flows under the loadout (the Farmers Ditch) was empty of water.

Number of Partial Inspection this Fiscal Year: 5

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):

No problems were seen with the road to the reclaimed ROM area.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

No erosion was seen at the reclaimed ponds at the East Mine (Ponds 1 – 4) or the reclaimed road at the West Mine.

SIGNS AND MARKERS – Rule 4.02:

No issues with signs or markers were identified during the inspection.

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

No erosion or other problems were seen with the Coal Storage Area beside the intersection of Highway 133 and Black Bridge Road.

No erosion was seen at the loadout, including the steep slope between the loadout and the orchard below. The trestle across the river appears stable.

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



Loadout pond, looking west



Slope below loadout, looking toward trestle

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Ponds at West Mine



Reclaimed ponds at East Mine

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AVAILABILITY OF RECORDS

PERMIT RECORDS		HYDROLOGIC RECORDS	
DRMS Permit	Expires 4/20/2028	NPDES Permit	CO-0049045 Exp. 2025
Permit Application w/Revisions	On shelf	NPDES Records (DMRs)	Thru February 2024
Findings Document	RN8 findings 7/27/2023	Stormwater Management Plan	Aug. 2018
Insurance Certificate	Exp. 5/1/2024	SPCC Plan	No longer valid
Bond Document	SEE COMMENT 1	MSHA Pond Inspections	NA
Phased Bond Release	SL9 findings 12/7/2023		NA
Documents/Findings		State Engineer's Pond Inspection	
Air Emission Permits	NA	Quarterly Pond Inspections	Thru 4Q 2023
County Special Use Permits	NA	Annual Hydrology Reports	2022
UG Mining Landowner Notification	1993 and 1994	• Ground Water Monitoring	2022 AHR
Subsidence Monitoring Reports	NA	• Surface Water Monitoring	2022 AHR
Subsidence Monitoring Data	NA	• Spring & Seep Monitoring	2022 AHR
Rill & Gully Survey	May 2023	• Mine Water Discharge Monitoring	NA
Vegetation Monitoring Data		• Mine Inflow Study	NA
Specific Variance Approvals	2.06.1(3) Steep Slope	• Water Consumption Records	NA
Annual Reclamation Reports	2023	Well Permits	NA
Midterm Review Documents	MT8 10/13/2020		
DRMS/OSM Inspection	Thru		
Reports/Enforcement Actions (3 Years)	February 2024	BLASTING RECORDS	NA
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)	ADDITIONAL RECORDS	
Annual Certifications for Large Impoundments	NA	CDOT Access Permit	Permit #399055 (June 1999)
Fill Certifications for Excess Spoil or Underground Development Waste	Yes 2/4/1987	Annual Subsidence Report	2021 ARR
• 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		

COMMENTS:

1. Two instruments with Lexon Insurance Co.: \$2,500,000 + \$268,916 = \$2,768,916.

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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