



STATE OF
COLORADO

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

Bowie 1 report

1 message

Zuber - DNR, Rob <rob.zuber@state.co.us>
To: Basil Bear <basilbear@wolverinefuels.com>

Thu, Aug 19, 2021 at 9:57 AM

Hello, Basil

Attached is my report from my inspection yesterday at Bowie No. 1 Mine.

Good to see you this week and best of luck with moving that gob pile this fall. I will likely see you in September. Please let me know if you will not be there the weeks of 13th or 20th (except Fridays).

Rob

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



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

P 303.866.3567, extension 8113 | Cell 720.601.2276
1313 Sherman Street, Room 215, Denver, CO 80203
rob.zuber@state.co.us | <http://drms.colorado.gov>



INSP-REPORTC_C1981038_RDZ_08192021091712.pdf
1482K



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: None
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: August 17, 2021 Inspection Start Time: 14:50 Inspection End Date: August 18, 2021 Inspection End Time: 09:20		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: 8/19/2021

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

Y - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

R - Other

Y - Processing Waste

R - Roads

R - Reclamation Success

R - 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 August 18 and 19, 2021. The portion of the inspection on the 18th entailed only the records check at the office at the Bowie No. 2 Mine. Basil Bear of Bowie Resources, LLC (BRL) was at the Bowie No. 2 Mine; he did not participated in the field inspection or records check. No mining or reclamation activities were being conducted at this site. BRL is focusing on Bowie No. 2 in 2021.

The weather was hot and clear (except for smoke from Western U.S. fires), and the ground was dry.

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.

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 at the West Mine were dry, and no problems were identified with these ponds.

The irrigation canal that flows through the loadout (Farmers Ditch) was full of water. No problems were observed with the ends of the 600-foot long, 60-inch diameter culvert.

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

OTHER (SPECIFY):

Utility structures are still in place at the East Mine. This includes the end of a pipe and an electrical box at the top of the disturbed area as well as another electrical box lower on the hillside.

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 ROM area (recently released from the permit area) is in good shape.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

No erosion or other problems were seen at the reclaimed area of the East Mine or the West Mine. The drainage below the East Mine where the reclaimed ponds (1 – 4) are located was in good shape, including the straw bales at the Pond 4 area.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

At the lower portion of the East Mine, significant amounts of cheat grass were seen. At the upper portion, almost no cheat grass was seen.

SIGNS AND MARKERS – Rule 4.02:

Signs were seen in many locations, including the road to the ROM area and at the West Mine.

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 at the loadout area.

DOCUMENTS RECEIVED - none**OTHER (SPECIFY) - none**

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Road to ROM area

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



Drainage at reclaimed Ponds 3 and 4, East Mine



East Mine, above Old Waste Disposal Area

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



East Mine, top of disturbance area



West Mine

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



Former Coal Storage Area beside Black Bridge Road



Lower end of 600-foot culvert at the Loadout (Farmers Ditch)

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

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	2020
Midterm Review Documents	MT8 10/13/2020
DRMS/OSM Inspection	Thru
Reports/Enforcement Actions (3 Years)	July 2021
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)	July 2021
Stormwater Management Plan	Aug. 2018
SPCC Plan	No longer valid
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	2Q 2021
Annual Hydrology Reports	2019
• Ground Water Monitoring	2019 AHR
• Surface Water Monitoring	2019 AHR
• Spring & Seep Monitoring	2019 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.

Number of Partial Inspection this Fiscal Year: 1Number of Complete Inspections this Fiscal Year: 1