



STATE OF
COLORADO

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

Bowie #1 inspection report

1 message

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

Fri, Apr 2, 2021 at 9:59 AM

Basil -

Please see attached file.

Rob

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



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

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INSP-REPORTC_C1981038_RDZ_04022021083027.pdf
1652K




COLORADO
Division of Reclamation,
Mining and Safety
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: None
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: March 30, 2021 Inspection Start Time: 12:45 Inspection End Date: March 30, 2021 Inspection End Time: 16:15		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: 4/2/2021

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

N - Other

Y - Processing Waste

Y - Roads

R - Reclamation Success

N - Revegetation

N - 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 30, 2021. 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.

The weather was warm, breezy, and clear, and the ground was dry. (Bowie No. 1 did not receive snow like the Bowie No. 2 Mine and other areas up the valley.)

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, with one exception: **a dead animal was seen in the primary spillway at the loadout pond, and it should be removed.**

The irrigation canal that flows through the loadout (Farmers Ditch) was dry. No problems were observed with the ends of the 600-foot long, 60-inch diameter culvert. The lower end of this culvert appears to be in excellent condition. The upper end is slightly bent, and a few inches of rocks are in the bottom of the pipe, but these minor issues should not affect the function of the culvert.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3



Spillways for Loadout Pond



Lower end of long culvert for Farmers Ditch



Upper end of long culvert for Farmers Ditch

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RECLAMATION SUCCESS - Rule 4.15, Rule 3:

No erosion or other problems were seen at the reclaimed area of the East Mine, the ROM and Timber Storage areas, or the West Mine. In particular, the undisturbed area below the ROM Storage looked good from the road above.



Area below ROM Storage Area



East Mine portal area

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Lower portion of East Mine, including RDA

SLIDES and DAMAGE - Rule 4.12:

No significant slides or other damage were seen at any reclaimed areas. The tension crack near reclaimed Pond 2 (East Mine) has not increased in size.

SIGNS AND MARKERS – Rule 4.02:

Mine identification signs were seen at the Coal Storage Area by Black Bridge Road, the East Mine entrance, the loadout entrance, and in other locations. Disturbance boundary markers were seen in several locations, including at the upper portion of the East Mine.



Coal Storage Area by Black Bridge Road

Number of Partial Inspection this Fiscal Year: 4

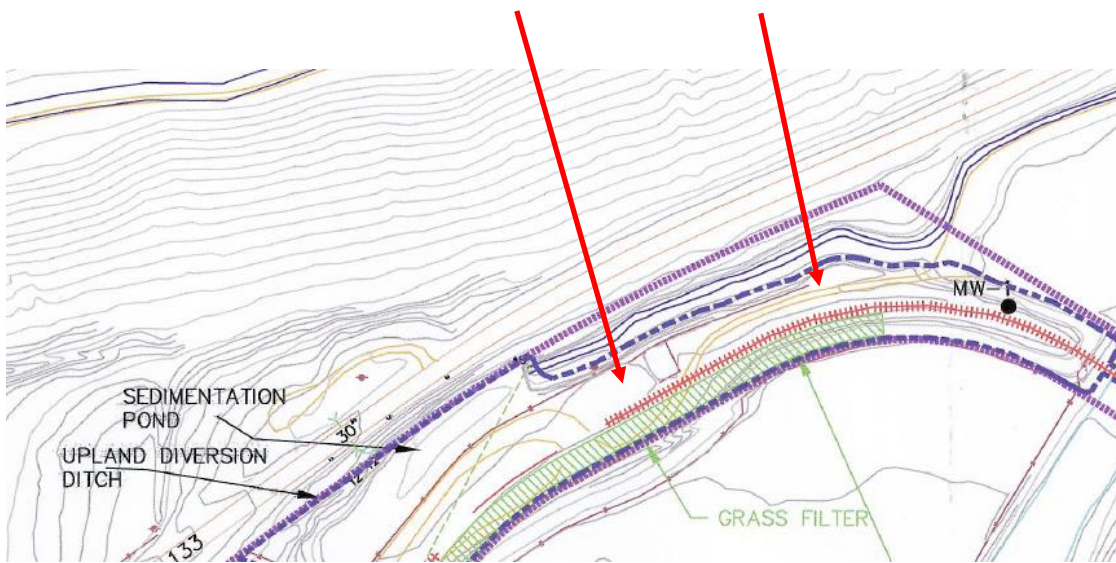
Number of Complete Inspections this Fiscal Year: 3

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. **At the east end of the loadout area, there is an area that does not drain to the pond, and this area appears to be larger than the SAE area shown on Map 7, Loadout Facilities, in the Bowie No. 1 PAP. BRL should review this and discuss with the Division. It is possible that a Minor Revision should be submitted to edit the map to expand the SAE area.**

Area that is not SAE and does not report to pond



Excerpt from Map 7 in PAP

DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

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

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3

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.5/1/2021
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	3Q 2020
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)	December 2020
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 2021
Stormwater Management Plan	Aug. 2018
SPCC Plan	No longer valid
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	March 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.

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