



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>

Mon, Jun 12, 2023 at 4:40 PM

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

Hello -

Here is the report from my inspection last week (not to be confused with a report from Clayton).

Thanks,
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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INSP-REPORTC_C1981038_RDZ_06122023.pdf


1690K



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: June 8, 2023 Inspection Start Time: 11:45 Inspection End Date: June 8, 2023 Inspection End Time: 14:00 | 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: 6/12/2023 |

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

R - Roads

Y - 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 June 8, 2023. Basil Bear was at the office for a discussion before the field inspection.

No mining or reclamation activities were being conducted at this site. BRL is focusing on Bowie No. 2 in 2023.

Cattle were grazing on the West Mine during the inspection.

The weather was warm and clear. The ground was 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 mostly dry, and no problems were identified with these ponds.

The irrigation ditch that flows under the loadout (the Farmers Ditch) was full of water. No issues were identified with this ditch and the loadout area.

Number of Partial Inspection this Fiscal Year: 6

Number of Complete Inspections this Fiscal Year: 4

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 or other roads.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

Basil Bear indicated that he has been spraying weeds, in particular he has sprayed white top at the Coal Storage Area by the highway. No white flowers were seen at this portion of the site.

SLIDES and DAMAGE - Rule 4.12:

The recent slide at the East Mine was observed and it has not gotten worse in recent weeks. The rills seen at the West Mine during recent inspections are not a problem; they appear to have healed.

SIGNS AND MARKERS – Rule 4.02:

Entrance signs were seen at the East Mine, West Mine, and at the Coal Storage Area by Black Bridge Road.

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

No erosion or other problems were seen with the Coal Storage Area by 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



West Mine, from Johnson Road



West Mine ponds

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East Mine, steep slope above reclaimed portal bench



East Mine, lower portion

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East mine, recent slide area



Former Coal Storage Area by Highway 133 and Black Bridge Road

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

| | |
|---|---|
| DRMS Permit | RN7 exp. 4/20/2023 (RN8 approval is pending) |
| Permit Application w/Revisions | On shelf |
| Findings Document | SL8 findings 11/23/2022 |
| Insurance Certificate | Exp.5/1/2024 |
| Bond Document | SEE COMMENT 1 |
| Phased Bond Release Documents/Findings | SL8 findings 11/23/2022 |
| 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 | May 2023 |
| Vegetation Monitoring Data | |
| Specific Variance Approvals | 2.06.1(3) Steep Slope |
| Annual Reclamation Reports | 2022 |
| Midterm Review Documents | MT8 10/13/2020 |
| DRMS/OSM Inspection | Thru |
| Reports/Enforcement Actions (3 Years) | April 2023 |
| 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) | Thru April 2023 |
| Stormwater Management Plan | Aug. 2018 |
| SPCC Plan | No longer valid |
| MSHA Pond Inspections | NA |
| State Engineer's Pond Inspection Quarterly Pond Inspections | NA |
| Annual Hydrology Reports | Thru March 2023 |
| • Ground Water Monitoring | 2021 |
| • Surface Water Monitoring | 2021 AHR |
| • Spring & Seep Monitoring | 2021 AHR |
| • Mine Water Discharge Monitoring | NA |
| • Mine Inflow Study | NA |
| • Water Consumption Records | NA |
| Well Permits | NA |

BLASTING RECORDS

NA

ADDITIONAL RECORDS

| | |
|--------------------------|-------------------------------|
| CDOT Access Permit | Permit #399055 (June 1999) |
| Annual Subsidence Report | 2021 ARR |
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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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