



STATE OF  
COLORADO

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

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## Bowie #1 inspection report

1 message

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

Fri, Sep 18, 2020 at 5:09 PM

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

Hello -

Please see attached report.

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\_09182020043224.pdf**  
507K



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-038 <b>Mine Name:</b> Bowie No. 1 Mine <b>Operator:</b> Bowie Resources, LLC <b>Operator Address:</b> Mr. Basil R Bear P.O. Box 1488 Paonia, CO 81428	<b>County:</b> Delta <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  None
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> September 17, 2020 <b>Inspection Start Time:</b> 09:30 <b>Inspection End Date:</b> September 17, 2020 <b>Inspection End Time:</b> 11:05		<b>Inspection Type:</b> Coal Partial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>  	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>  	
<b>Inspector(s):</b>  Robert Zuber, P.E.		<b>Inspector's Signature and Date:</b>   9/18/2020	

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

N - Air Resource Protection

N - Availability of Records

N - Backfill &amp; Grading

N - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

N - Roads

R - Reclamation Success

R - Revegetation

N - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

R - Support Facilities Not On-site

N - Special Categories Of Mining

N - Topsoil

**COMMENTS**

A partial inspection was conducted by Rob Zuber of DRMS on September 17, 2020. The operator, Bowie Resources (aka BRL), did not participated in the field inspection.

The weather was hot and clear (except smoke from fires across the Western U.S.), and the ground was dry. Some of the site was only viewed from afar (e.g., West Mine), as that was sufficient to detect major problems.

**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 loadout), and at the West Mine were dry, and no significant problems were identified with these ponds, although the emergency spillway at the loadout pond has been blocked with dead branches. These branches should be moved from the spillway.

The erosion control BMPs below Ponds 3 and 4 are functioning. The silt fence below the Refuse Disposal Area should be maintained; sediment behind the fence should be removed to prevent it from causing the fence to fail.

No issues were identified with any channels, including the channels at the East Mine.

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

Good stands of vegetation were seen at the reclaimed area of the East Mine (including the RDA, reclaimed ponds, and the Old Waste Disposal Area), the ROM and Timber Storage areas, and the West Mine.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

Weeds were not found in large quantities, but some were seen at reclaimed Ponds 3 and 4 (thistle).

SLIDES and DAMAGE - Rule 4.12:

Erosion at the west side of reclaimed Pond 1 (East Mine) is threatening a juniper tree. BRL should explain that this is not mine related or consider action to protect this tree.

SIGNS AND MARKERS – Rule 4.02:

Mine identification signs were seen at the East Mine entrance, the loadout entrance, and below Ponds 3 and 4 (East Mine area).

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

No problems were seen with the Coal Storage Area by the highway or with the loadout.

**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: 2

Number of Complete Inspections this Fiscal Year: 1

## **PHOTOGRAPHS**



**Silt fence below reclaimed Pond 4 (East Mine)**



**Juniper tree near reclaimed Pond 1**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



**East Mine**



**ROM Coal Storage and Timber Storage Areas**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1





**West Mine**



**Coal Storage at Highway 133 and Black Bridge Road**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



**Hillside below the loadout (adjacent orchard on left)**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1