



STATE OF
COLORADO

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

Aerial inspection of Bowie #1

1 message

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

Fri, Oct 2, 2020 at 4:20 PM

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

Hello -

Attached is an aerial inspection report based on photos taken yesterday. No issues to report.

Regards,
Rob

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



COLORADO
Division of Reclamation,
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Department of Natural Resources

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INSP-REPORTC_C1981038_RDZ_10022020032133.pdf
507K



PERMIT INFORMATION

Permit Number: C-1981-038 Mine Name: Bowie No. 1 Mine Operator: Bowie Resources, LLC Operator Address: Mr. Basil 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: October 1, 2020 Inspection Start Time: 11:45 Inspection End Date: October 1, 2020 Inspection End Time: 12:01		Inspection Type: Aerial 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. Brock Bowles	Inspector's Signature: 		Signature Date: 10/2/2020

Inspection Topic Summary

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

Y - Air Resource Protection

N - Availability of Records

NA - Backfill & Grading

N - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

R - Roads

R - Reclamation Success

Y - Revegetation

Y - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

R - Support Facilities Not On-site

Y - Special Categories Of Mining

N - Topsoil

COMMENTS

On October 1, 2020, Brock Bowles of DRMS took aerial photographs of the mine. The weather was clear, despite smoky skies around Colorado from wildfires. Rob Zuber of DRMS reviewed the photos on October 2, 2020.

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 West Mine and the pond at the loadout were dry. No problems were seen with the embankments or other portions of these ponds.

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 erosion or other problems were identified with the road at the East Mine.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The reclamation on the following areas was inspected:

- The East Mine including
 - Former bench areas
 - The Old Waste Disposal Area
 - Ponds 1 – 4
 - The Refuse Disposal Area
- The ROM and timber storage areas and reclaimed pond below
- The West Mine.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1

No erosion problems were identified. The vegetation on these areas is brown, as expected in October. The vegetation also appears to be relatively sparse (even for the autumn season), likely due to the dry conditions at the site for much of 2020.

DOCUMENTS RECEIVED - none

OTHER (SPECIFY) - none

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



West Mine ponds

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1



East Mine – upper portion



East Mine – lower portion

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1



Entrance road at East Mine (gate is circled)



Road at East Mine, west of Refuse Disposal Area

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1



East Mine Ponds 2, 3, and 4 (circled) from top to bottom



Loadout

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1