




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY COAL PROGRAM INSPECTION REPORT



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: Federal
	Operator Representative Present: None
Operator Representative Signature: (Field Issuance Only) This report was issued electronically from the Division's Durango Field Office.	

INSPECTION INFORMATION

Inspection Start Date: July 11, 2013 Inspection Start Time: 08:00 Inspection End Date: July 11, 2013 Inspection End Time: 10:00		Inspection Type: Coal Partial 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): Marcia L. Talvitie, P.E.	Inspector's Signature: 		Signature Date: 17 July 2013

Inspection Topic Summary

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

NA - Air Resource Protection

N - Availability of Records

N - Backfill & Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish & Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

R - Revegetation

N - Subsidence

N - Slides and Other Damage

R - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

COMMENTS

A partial inspection of the Bowie No. 1 Mine was conducted by me, Marcia Talvitie of the Division, on the morning of Thursday, July 11, 2013. Temperatures were warm, and were expected to climb into the 90's later in the day.

The inspection covered portions of the following areas: the Paonia Loadout, the Timber Storage Area, the West Mine, and the East Mine.

EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09

Placement; Drainage Control; Surface Stabilization:

- The West Ridge Waste Pile was well vegetated, and appeared to be stable with respect to erosion. No geotechnical instability of the pile was observed (Photo 1).

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:

- A segment of the Stevens Gulch channel, adjacent to the Timber Storage Area, was reconstructed with the reclamation of that area in 2009. Silt fence that was installed along the banks of the creek is still in place, but is sagging between the posts (Photo 2).
- ***Throughout the areas reclaimed in 2008-2009, silt fence should be either repaired or replaced. Conversely, alternative methods of sediment control may be installed, e.g. straw or excelsior wattles.***
- A number of Sediment Ponds were inspected, and each one was found to be dry.
- At the Loadout, the gate on the primary spillway pipe was closed; the Fire Mountain Canal was flowing into the culvert which runs beneath the pond.
- The Timber Storage Area pond was observed from the access to Stevens Gulch Road. It appeared to be well-vegetated.

Number of Partial Inspection this Fiscal Year: 1Number of Complete Inspections this Fiscal Year: 0

- At the West Mine, Ponds W-1 and W-2 have not been removed. Roatcap Creek continues to be confined to a culvert running beneath the ponds.
- Pond 1 at the East Mine appeared to have been cleaned out recently (Photo 3)
- The West Ridge Waste Pile pond was dry, as viewed from the reclaimed haul road above (Photo 1).

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):

- At the Loadout, all three entrances were open. The paved portions of the haul roads were in fair condition.
- The reclaimed haul road at the East Mine appears to be holding up well. I drove as far as the curve at the former loading bin, and observed no washouts or unstable sections of the road.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

- The reclaimed slope at the West Mine was observed from the roadway above. The slope appears to be well-vegetated, and stable (Photo 4).

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

- At the Paonia Loadout, I observed a number of Scotch thistle plants. One cluster was located between the topsoil stockpile and the farm access road that runs to the Black Bridge Winery. Other plants were scattered across the fill slope between the equipment storage areas and the railroad tracks. A patch of Russian knapweed was identified near the northern end of the Loadout area, where a culvert carries flow beneath the access road and to the pond.
- It appeared that weeds at the East Mine are being effectively controlled. A patch of Russian knapweed identified on previous inspections (on the slope west of the West Ridge pile) was no longer visible, and Musk thistles on the reclaimed bench east of the shop/warehouse bench have been sprayed.

SUPPORT FACILITIES - Rule 4.04:

- No rail cars were being stored on the spur at the Loadout.
- At the location where the farm access road crosses the tracks, sediment has accumulated around the rails (Photo 5).
- Miscellaneous materials and pieces of equipment continue to be stored at the Loadout. A generator has been placed on the concrete pad next to the shop building (Photo 6). No signs of petroleum leakage were observed.

ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions were issued as a result of this inspection, and none are pending.

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Photo 1 – West Ridge Waste Pile and Pond (East Mine)



Photo 2 – Stevens Gulch at Timber Storage Area

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Photo 3 – East Mine Pond 1



Photo 4 – West Mine reclamation

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Photo 5 – Farm road crossing of RR tracks, looking NE



Photo 6 – Generator at Paonia Loadout

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