




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



PERMIT INFORMATION

Permit Number: C-1996-083 Mine Name: Bowie No. 2 Mine Operator: Bowie Resources, LLC Operator Address: Mr William A Bear P.O. Box 483 Paonia, CO 81428	County: Delta Operation Type: Underground Permit Status: Active Ownership: Federal
Operator Representative Present: Bill Bear	
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: March 19, 2013 Inspection Start Time: 13:45 Inspection End Date: March 20, 2013 Inspection End Time: 10:15	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): Susan L. Burgmaier	Inspector's Signature:  Signature Date: 03/21/2013

Inspection Topic Summary

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

R - Air Resource Protection**R** - Availability of Records**R** - Backfill & Grading**Y** - Excess Spoil and Dev. Waste**R** - Explosives**Y** - Fish & Wildlife**R** - Hydrologic Balance**Y** - Gen. Compliance With Mine Plan**NA** - Other**R** - Processing Waste**R** - Roads**Y** - Reclamation Success**Y** - Revegetation**Y** - Subsidence**Y** - Slides and Other Damage**Y** - Support Facilities On-site**R** - Signs and Markers**NA** - Support Facilities Not On-site**NA** - Special Categories Of Mining**R** - Topsoil**COMMENTS**

This was a complete inspection of the Bowie No. 2 Mine conducted by Susan Burgmaier of CDRMS. Weather conditions at the time of the inspection were clear and cool; ground conditions were a mix of muddy and dry.

The mine was producing coal from the B seam portals; two trains were loaded the day of the inspection. Refuse material was being placed at Gob Pile #2.

AIR RESOURCE PROTECTION – Rule 4.17:

The unpaved section of the main haul road was watered down to prevent fugitive dust. Roadways to and through the refuse area were fairly muddy so dust was not an issue.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

Records were inspected at the mine office. All required records were available; updates are required on a few records (as noted on attached records checklist).

BACKFILL and GRADING – Rule 4.14 □ Contemporaneous Reclamation 4.14.1; Approximate Original Contour 4.14.2; Highwall Elimination 4.14.1(2)(f); Steep Slopes 4.14.2, 4.27; Handling of Acid and Toxic Materials 4.14.3; Stabilization of Rills and Gullies 4.14.6:

The backfilling of the Hubbard Creek fan shaft site appeared to be settling. There were cracks and sunken areas near the center marker of the reclaimed shaft. The operator indicated that when conditions allow, since the area was still fairly wet, equipment would be brought in to fill the settled area.⁵

EXPLOSIVES – Rule 4.08 □ Distance Prohibitions 4.08.4; Warnings 4.08.4; Control of Adverse Effects 4.08.4:

Mine personnel were transporting explosives from the storage facility near the D bench for use underground.

FISH and WILDLIFE – Rule 4.18:

Several deer were observed throughout the mine site. Turkey and elk tracks were seen on the east end of

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Gob Pile #2 near Pond F.

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:

Ponds B, C, D, and F all held water but were not being discharged. Ponds J and K were dry. Ponds F and B will likely need dredging this year.

The wastewater treatment plant was discharging at 13 gpm from the plant to the surface water sediment control system for the mine.

Small area exemption sediment control measures were in place and functional at the Terror Creek and Hubbard Creek vent shafts and the pump house and filter buildings.

PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11 □ Drainage Control; Surface Stabilization; Placement:

Gob was being transported to Gob Pile #2. Grading, lift construction and compaction of waste were taking place in the lower bench area of Gob Pile #2 in the former location of the cover material stockpile. Refuse material had been end dumped on the central southern lobe of Gob Pile #2, until moisture content in the material is conducive to grading and compaction. Material had also been end dumped in the area between Gob Pile #2 and #4; that material was being placed below (northward) at the cover material stockpile footprint.

The excavation of the ridge between the two stockpiles (Gob Pile #2 expansion approved in TR 76) was idle during the inspection.

Construction of the upland diversion of Gob Pile #3 was underway. The operator was excavating the J-82 ditch line on the west end of the gob pile footprint. An excavator with a hammer implement was breaking down the excavated rock for use as rip rap within the mine site.

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):

Roads and associated ditches and culverts were in good condition and well maintained.

REVEGETATION – Rule 4.15 □ Vegetative Cover; Timing:

Grasses were starting to emerge on the reclaimed Hubbard Creek vent shaft location. The operator had recently seeded the shoulder areas for the newly constructed Gob Pile #3 roadway, and had mulched the seeded areas with a combination of crimped straw and straw matting.

SIGNS AND MARKERS – Rule 4.02:

Mine identification signs were posted at all of the entrances to the operation from public roadways. The identification signs displayed current information. Topsoil markers were in place as required; identification

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markers were down temporarily at two topsoil stockpiles under construction (Gob Pile #2 and Gob Pile #3). The signs were located adjacent to the stockpiles, and the operator indicated that they would be replaced when topsoil salvage operations were complete.

TOPSOIL – Rule 4.06□ Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

Topsoil salvage was in process at the Gob Pile #3 footprint area. Topsoil salvage operations appeared to be complete in the Gob Pile #2 expansion area, with the exception of the steeper areas along the ridge line. The operator will provide an update of topsoil salvage operations and what salvage variances were applied in the Gob Pile #2 expansion area with the 2012 Annual Reclamation Report.

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Hubbard Creek Vent shaft site

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Gob Pile #2 – gob placed on former cover mat'l footprint



End dumped gob being moved, spread, and compacted



Gob Pile #2 expansion area



Northeastern lobe of Gob Pile #2



Pond F inlet



Gob Pile #4 and lower Gob Pile #2

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Gob Pile #4



Gob Pile #3 footprint excavation



Gob Pile #3



Pond B



Pond B east inlet



SAE outfall at Terror Creek vent shaft

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Pond K



Pond J

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit

Exp 4/4/2012

HYDROLOGIC RECORDS

NPDES Permit

X Exp 8/31/2009
renewal app. Ext.
indef 8/31/2009Permit Application w/Revisions
Findings DocumentX B.Bear office
6/22/2007NPDES Records
Stormwater Management PlanJanuary 2013
Oct 2004 Permit Exp
9/30/2011Insurance Certificate
Bond Document2/1/2014
4 bonds need
latest ridersSPCC Plan
MSHA Pond InspectionsDec 2005
NAPhased Bond Release Documents/Findings
Air Emission Permits
County Special Use Permits
UG Mining Landowner Notification
Subsidence Monitoring Reports
Subsidence Monitoring Data
Rill & Gully SurveyNA
X
NA
X
In AHR 2011
In AHR 2011
NAState Engineer's Pond Inspection
Quarterly Pond Inspections
Annual Hydrology Reports
• Ground Water Monitoring
• Surface Water Monitoring
• Spring & Seep Monitoring
• Mine Water Discharge
Monitoring
• Mine Inflow Study
• Water Consumption Records
Well PermitsNA
X 4th Q 2012
X 2011
X
X
X
AHR and NPDES
AHR
Sep 2012
NAVegetation Monitoring Data
Specific Variance Approvals
Annual Reclamation Reports
Midterm Review Documents
DRMS/OSM Inspection
Reports/Enforcement Actions (3 Years)
Transfers/Succession of Operator
Temporary Cessation Notification
Reclamation Cost EstimateNA
NA
2012
X 2009
X
8/10/2009
NA
PAP**BLASTING RECORDS**Blasting Publication
Blasting Records (3 years)
ATFE Explosives PermitNA
NA
June 1 2015 kept in
front office**CERTIFICATIONS**Pond Certifications
Annual Certifications for Ponds
Fill Certifications for Excess Spoil or
Underground Development WasteX binder
April 17 2012Blasting Variances
Pre-Blast SurveysNA
NA**ADDITIONAL RECORDS
(specify)**• Quarterly Inspections
• Compaction Testing
• Final Certification
Coal Processing Waste Banks
Haul Road Certifications4th Q 2012
4th Q 2012
NA
4th Q 2012
Gob pile/main
portal 11/97

Access Road Certifications

NA

COMMENTS:

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