




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: None Present - Aerial Inspection
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: February 19, 2013 Inspection Start Time: 12:21 Inspection End Date: February 19, 2013 Inspection End Time: 12:22	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): Susan L. Burgmaier Harry B. Ranney	Inspector's Signature:  Signature Date: 02/22/2013

Inspection Topic Summary

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

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

COMMENTS

This was a partial inspection of the Bowie No. 2 Mine based on aerial photographs of the site taken by Harry Ranney and reviewed by Susan Burgmaier of CDRMS. The mine is actively producing coal and has two active refuse disposal areas (Gob Piles #2 and #4). Weather conditions at the time of the inspection were clear; disturbed areas were mostly free of snow.

AIR RESOURCE PROTECTION – Rule 4.17:

On February 15, 2013, the Air Pollution Control Division approved placement of an additional 600,000 cy of refuse on the Gob Pile #2 expansion, consistent with the expansion volume that DRMS approved under TR-76.

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:

Most of the roads, ditches, and yard areas appeared to be dry. Ponds B, C, D, and F held water. Ponds J and K were not photographed.

There was a considerable amount of sediment built up on the west inlet of Pond F. BRL should verify that this sediment is not in excess of the design sediment storage capacity of the pond, and remove the sediment if necessary.

PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11

Drainage Control; Surface Stabilization; Placement:

Refuse was being placed on Gob Pile #2, in the far northern tip and along the new expansion area approved in TR76. It appeared that refuse had been temporarily stockpiled and was being manipulated for drying prior to placement in lifts. There were several areas in the northern tip of Gob Pile #2 where water was trapped and not flowing freely off the face of the pile. BRL needs to ensure that temporary refuse placement allows for drainage off the face of the pile to the approved ditches as required by Rules 4.10.3(2) and 4.09.2(7)..

Number of Partial Inspection this Fiscal Year: 10

Number of Complete Inspections this Fiscal Year: 2

Refuse was being spread and compacted just east of the topsoil stockpile on the second bench of Gob Pile #2, on the footprint of the former cover stockpile area. The last of the cover material was being moved out of this area to the eastern portion of Gob Pile #2.

The cover material stockpile that had been located at the base of Gob Piles #2 and #4 had been moved eastward, just north of Ditch D-F6. The material had spilled down the face of the pile and was encroaching on D-F6. This material will need to be cleared from the ditch immediately to restore the design capacity of the ditch to ensure that runoff is directed off of the pile as required by Rules 4.10.3(2) and 4.09.2(7).

No activity was observed on Gob Pile #4. There were equipment tracks in the northeastern area of the pile, where slopes still need to be flattened prior to cover placement.

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

It appeared that topsoil salvaging operations had taken place in the Gob Pile #2 expansion area, with the topsoil being placed in the stockpile at the base of Gob Pile #4.

ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions were initiated as a result of this inspection; one violation is pending:

Infraction Number: CV2013001

Inspection Date: January 9, 2013

Date Issued: January 18, 2013

Primary Topic: Gen. Compliance with Mine Plan

Secondary Topic: Topsoil

Tertiary Topic: Financial Warranty

Description:

Failure to obtain a technical revision for a modification to the terms or requirements of the permit for design changes for a regulated structure, as required by Rule 2.08.4(2).

Failure to obtain final approval before implementing a technical revision, as required by Rule 2.08.4(4).

Failure to obtain approval of a performance bond covering the surface acreage to be affected prior to disturbing surface acreage, as required by Rule 3.02.1(2).

Failure to save topsoil and subsoils before disturbance of areas affected by surface coal mining operations, as required by Rule 4.06.1(1).

Abatement #: 1

Abatement Due Date: 2/12/2013

Abatement Description: Provide all materials necessary to obtain approval for Technical Revision No. 76 to authorize disturbance.

Abatement #: 2

Number of Partial Inspection this Fiscal Year: 10

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Abatement Due Date: 2/12/2013

Abatement Description: Post appropriate financial warranty for existing disturbance and any additional proposed disturbance.

Abatement #: 3

Abatement Due Date: 2/27/2013

Abatement Description: Save all topsoil in accordance with Rule 4.06.2

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Number of Complete Inspections this Fiscal Year: 2

PHOTOGRAPHS



Pond B, coal stockpile area, coal handling facilities, topsoil stockpile, and material storage area.

Area requiring regrading
– recent activity apparent





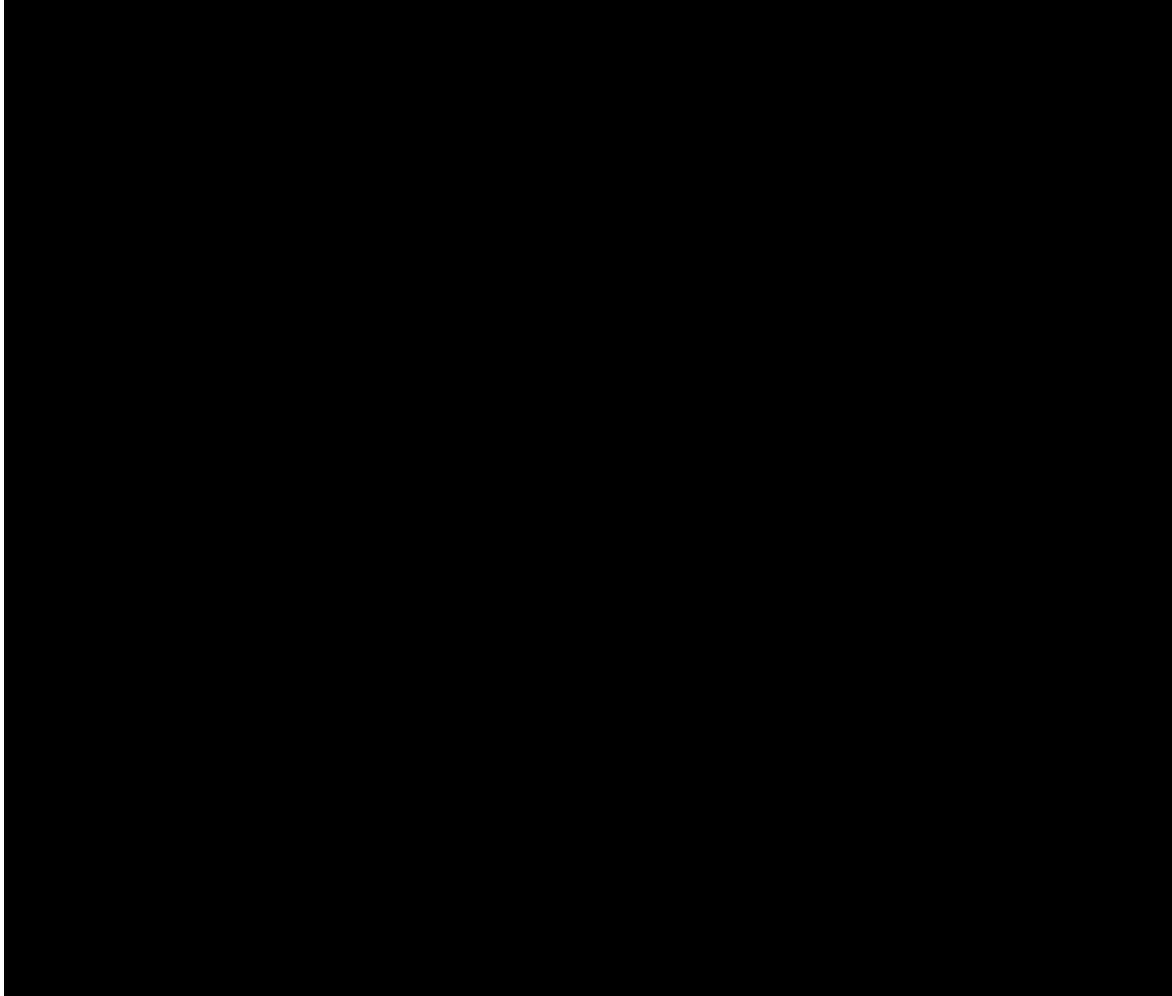
Excavation in
TR76 Gob Pile #2
expansion area

Newly stockpiled topsoil

Former cover stockpile moved east

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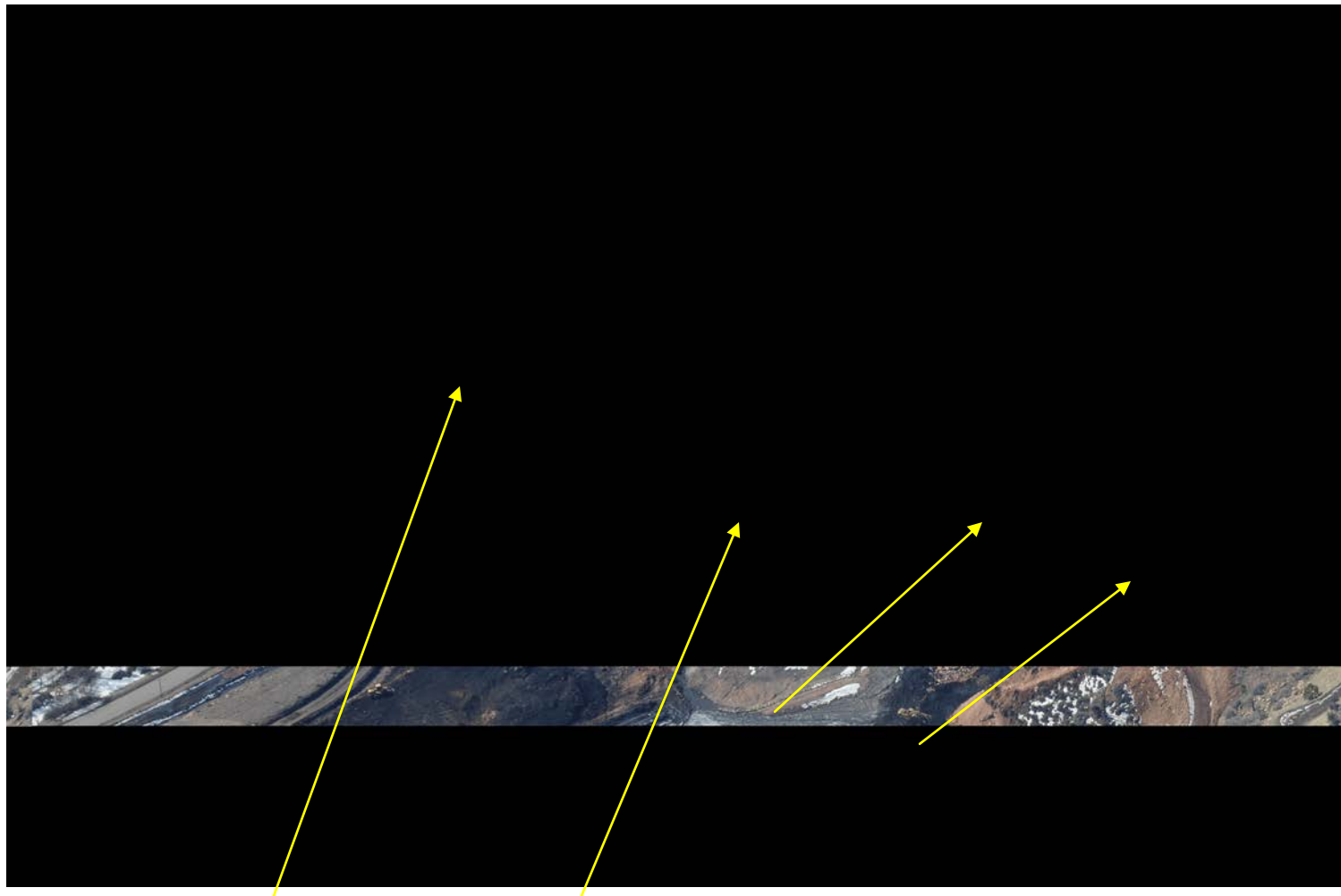
Number of Complete Inspections this Fiscal Year: 2



Cover material stockpile encroaching on ditch F6

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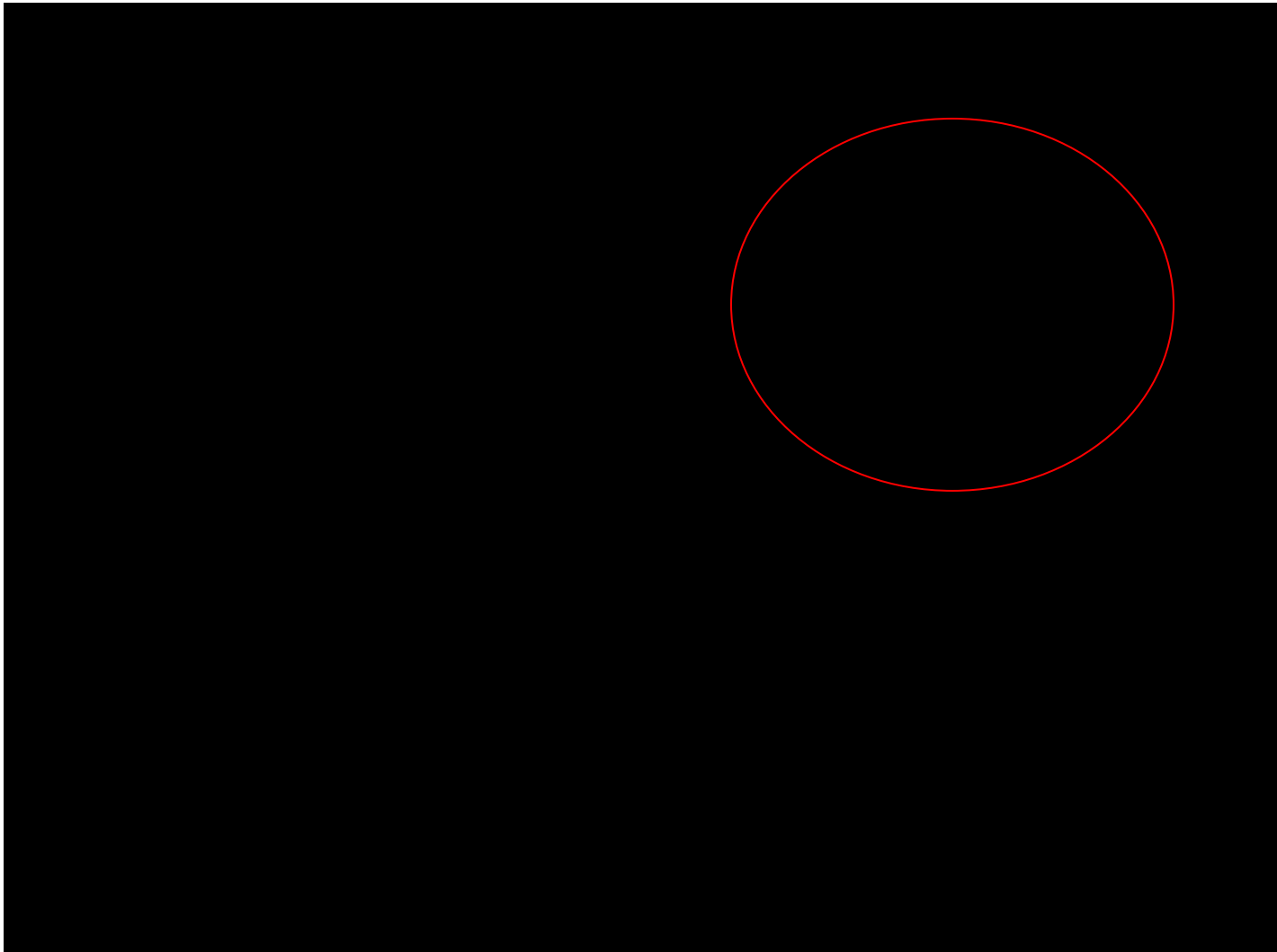
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Water pooling on refuse pile

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Sediment delta at Pond F inlet

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