



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



PERMIT INFORMATION

Permit Number: C-1980-006 Mine Name: Marr Mine Operator: Kerr Coal Company Operator Address: Mr. George Patterson C/O Energy Fuels Coal, Inc. P.O. Box 459 Florence, CO 81226	County: Jackson Operation Type: Surface Permit Status: Permanent Cessation Ownership: Federal
	Operator Representative Present: None
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: May 23, 2013 Inspection Start Time: 08:00 Inspection End Date: Inspection End Time:	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): Robert D. Zuber, P.E.	Inspector's Signature: <i>Robert D. Zuber</i> Signature Date: 5/24/2013

Inspection Topic Summary

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

NA - Air Resource Protection

Y - Availability of Records

Y - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish & Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

Y - Roads

R - Reclamation Success

Y - Revegetation

NA - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

Y - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

COMMENTS

A complete inspection was conducted by Rob Zuber of DRMS. The inspection covered the loadout and the mine site. The weather was clear and seasonably warm, and the ground was mostly dry (disturbed areas and low areas were muddy). The inspection included a follow-up to the SL-05 inspection (to check the status of removal of monitoring wells), as well as an investigation of the damage caused by trespassers (on May 10, 2013 the Division was notified of this damage by George Patterson of Energy Fuels). The entrance gate shows signs that it has been damaged.

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:

Well AP-1 appears to have been removed. There are tracks indicating that the site was recently accessed. Also, there is no PVC pipe visible. There is, however, an aluminum pipe sticking out of the ground. It is unclear if this was left to mark the site or for another reason. The Division will clarify this with Energy Fuels.

Well AP-2 appears to have been removed. There are tracks indicating that the site was recently accessed. Also, there is no PVC pipe visible.

The Best Management Practices for sediment control from the reclaimed pond area at the loadout have been removed. The area has good vegetation except the small part of bare ground next to the railroad embankment. There is no signs of sediment having been transported into the receiving water.

At the mine site, no significant problems were observed with the culverts. At the south culvert, the smaller pipe is almost completely covered with sediment at the downstream end. However, there is no sign of erosion or other problems with the road at this point.

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4

GENERAL MINE PLAN COMPLIANCE:

The site was found to be in general compliance with the permit.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

At most of the loadout and at the mine site, no erosion, large weed patches, or other problems were seen.

However, the reclaimed pond at the loadout (and the access area to this pond) has seen damage caused by trespassers. Several sets of tire tracks have cut gauges in the ground. From a point approximately 100 feet west of the entrance gate, the tracks begin. They extend to the garage door of the old shop building, and they also extend across the reclaimed pond area to the railroad grade. Most of the tracks are approximately four inches deep. Two areas have deeper gauges that are approximately a foot deep; these two areas are each approximately five feet wide by ten feet long. The overall disturbance caused by the tire tracks is approximately 600 feet long by 40 feet wide.

ENFORCEMENT ACTIONS/COMPLIANCE

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

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4

PHOTOGRAPHS



Area where Well AP-1 was located. Uncertainty regarding whether tube is marker.



Damaged ground at loadout (from gate on east side of site)

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4



Damaged ground at loadout (from railroad embankment on west side of site)



Area at loadout where BMPs were removed

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4



Area at loadout where no damage was incurred (looking north)



Area at loadout where no damage was incurred (looking northeast)

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4



Mine site – south culvert and road



Mine site – 4-acre parcel to north (from south parcel)

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4

AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp. 3/20/16
Permit Application w/Revisions	yes
Findings Document	RN-06
Insurance Certificate	Exp. 10/1/13
Bond Document	*1
Phased Bond Release	SL4
Documents/Findings	
Air Emission Permits	NA
County Special Use Permits	*2
UG Mining Landowner Notification	NA
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	NA
Vegetation Monitoring Data	SL4
Specific Variance Approvals	NA
Annual Reclamation Reports	2011
Midterm Review Documents	2008
DRMS/OSM Inspection	Thru Nov. 2012
Reports/Enforcement Actions (3 Years)	
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	RN-06
CERTIFICATIONS	
Pond Certifications	NA
Annual Certifications for Large Impoundments	*3
Fill Certifications for Excess Spoil or Underground Development Waste	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	yes
Access Road Certifications	yes

HYDROLOGIC RECORDS

NPDES Permit	COG850036
NPDES Records	Thru 1Q 2012
Stormwater Management Plan	yes
SPCC Plan	9/14/10 *4
MSHA Pond Inspections	NA
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	Thru 4Q 2011 *5
Annual Hydrology Reports	2011
• Ground Water Monitoring	NA
• Surface Water Monitoring	See NPDES records
• Spring & Seep Monitoring	NA
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	

BLASTING RECORDS

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	NA

ADDITIONAL RECORDS (specify)

COMMENTS:

*1 Bond number 13-20-11 for \$19,619.00.

*2 E-mail from Kent Crowder (Jackson County Commissioner) explains status.

*3 Annual Certification for the Loadout pond was conducted in May 2011.

*4 Latest SPCC inspection was on 12/21/2011.

*5 The loadout pond was reclaimed in autumn 2011.

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4