




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



PERMIT INFORMATION

Permit Number: C-1981-014 Mine Name: Southfield Mine Operator: Energy Fuels Coal, Inc. Operator Address: Mr George Patterson P.O. Box 459 Florence, CO 81226	County: Fremont Operation Type: Underground Permit Status: Permanent Cessation Ownership: Private
	Operator Representative Present: George Patterson
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: March 21, 2013 Inspection Start Time: 11:00 Inspection End Date: March 21, 2013 Inspection End Time: 17:00	Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Windy
Joint Inspection Agency: None	Joint Inspection Contacts:
Post Inspection Agency: None	Post Inspection Contacts:
Inspector(s): Janet H. Binns	Inspector's Signature:  Signature Date: 3/22/2013

Inspection Topic Summary

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

NA - Air Resource Protection

R - 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

R - Other

R - Processing Waste

R - Roads

R - Reclamation Success

Y - Revegetation

R - Subsidence

R - Slides and Other Damage

Y - Support Facilities On-site

Y - Signs and Markers

R - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

COMMENTS

This was a complete inspection conducted by Janet Binns of DRMS. The weather was partly cloudy and very windy. A military airplane was flying patterns over the area. The mine site and load out were very dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

Records were checked in the mine office in Florence. George Patterson met the inspector at the office, but did not accompany the inspector on the mine site. Records were found to be in compliance at the mine office.

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 inspection initiated at intersection of Newlin Creek and the Thompson Driveway culvert. Newlin Creek was not flowing at this point. Newlin Creek was also not flowing at the upstream surface water monitoring point at NC-2.

At the North end of MW-NW disturbance area there is a green metal casing. (Photo 2) This feature is not shown on Map 12. Photo taken.

Pond 5 is dry.

Pond 4 is dry.

Pond L1 spillway riser has been cleaned out and metal plate secured to the old valve location as designed. (Photo 10) Pond L2 was dry.

GENERAL MINE PLAN COMPLIANCE:

NOV-CV-2013-002 remains unabated. The abatement due date is April 1, 2013.

Number of Partial Inspection this Fiscal Year: 6

Number of Complete Inspections this Fiscal Year: 3

OTHER (SPECIFY):

Dr. Corley's red van was observed parked at the Thompson driveway Newlin Creek crossing. The inspector did not see the landowner, Dr. Corley, at that time. Later during the inspection, Dr. Corley stopped his vehicle and spoke with the inspector.

The landowner, Dr. Corley, has installed a new 3-wire fence on the north side of Fremont County Road 15. This fence has blocked the access road to MW-8. (Photo 1) MW-8 is no longer included in the monitoring plan for the Southfield mine, but it still is required to be sealed and properly abandoned.

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

Drainage Control; Surface Stabilization; Placement:

The RDA continues to have a stable vegetative cover. Some of the shrubs on the top of the RDA have died. Other shrubs outside of the fenced enclosures remain healthy and viable.

No noticeable rills were observed on RDA during this inspection.

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):

The roads through the mine site were dry. EFCI has not graded the roads yet this spring. No significant rilling had occurred on the RDA access road or Fremont County Road No. 92 through the mine site.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Observation of the reference areas noted that the Grassland reference area appears to be in good condition. The PPJ reference area (plot B) appears to have experienced considerable natural die off. (photo 9) Observations along County road 15 and the general mine area has observed patchy die off throughout the area, possibly from the droughty conditions experienced the last few years.

Reclaimed waterline access road by MW-NW has fairly good vegetative cover on most of this area. (Photo 3) The track to MW-NW still appears as a two-track road. No erosional features were noted with this reclaimed portion of roadway.

SLIDES and DAMAGE - Rule 4.12:

The operator has graded sediment away from the NW corner of the truck tunnel. (Photo 4) This material has been stored west of the backhoe. Silt fence has been anchored near the top of the slope above the repaired rill next to the truck tunnel. (Photos 5 and 6) This area has been seeded according to the operator.

OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:

At the load out an ATV has driven in Pond L1, and the wheels have dug into side slopes. (Photos 11 & 12) Train

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cars are being stored at the load out.

There was evidence of trespass access across the western portion of the loadout, and it appears that dirt bike tracks have crossed the trench. There were beer cans and bottles left near Pond L2.

DOCUMENTS RECEIVED NA

OTHER (SPECIFY)

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ENFORCEMENT ACTIONS/COMPLIANCE**Infraction Number:** CV2013002

Inspection Date: January 23, 2013

Date Issued: January 28, 2013

Primary Topic: Hydrologic Balance

Secondary Topic:

Tertiary Topic:

Description: Failure to ensure that water monitoring well MW-NW continues to function as designed.

Abatement #: 1

Abatement Due Date: 4/1/2013

Abatement Description: Remove the obstruction from MW-NW or establish a replacement water monitoring well that intercepts the Southfield Mine workings in the Red Arrow or Jack O' Lantern Coal seam.

Abatement #: 2

Abatement Due Date: 4/1/2013

Abatement Description: Provide evidence to the Division that Energy Fuels Coal Inc. has applied for a monitoring well permit with CDWR in accordance with Rule 2.03.10.

Neither abatement step 1 or 2 had been completed at the time of the inspection. The proposed civil penalty was received by Energy Fuels on March 4, 2013. EFCI has requested an assessment conference. The date of the assessment conference has not yet been scheduled.

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PHOTOGRAPHS



Photo 1: fenced off access road to MW-8



photo 2: casing on reclaimed road NE of MW-NW



Photo 3: reclaimed access road near MW-NW



Photo 4: Sediment removed from NW of truck tunnel



Photo 5: repair to rilling by truck tunnel



Photo 6: Silt fence well anchored at truck tunnel

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Photo 7: reclaimed portal area from truck tunnel



Photo 8: North slope of RDA

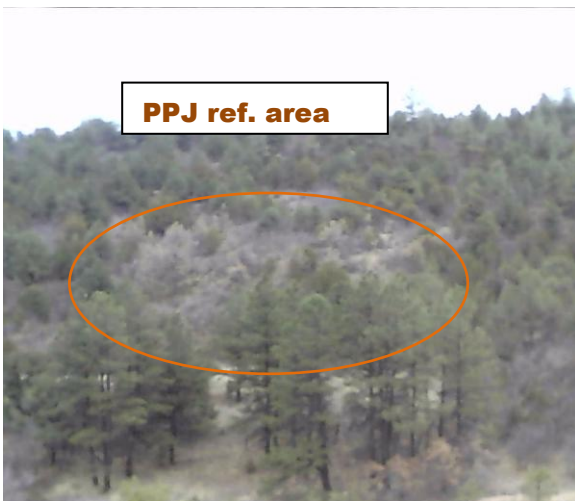


Photo 9: PPJ ref area vegetation appears to be dying out



Photo 10: Pond L1 repaired primary riser & sealed gate.



Photo 11: tracks in Pond L1



Photo 12: tire "divots" dug into pond L1 slope

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp 7/30/2014
Permit Application w/Revisions	Thru 40
Findings Document	RN5 5/21/2009
Insurance Certificate	Exp. 10/1/2013
Bond Document	16-66-96
Phased Bond Release	SL-2
Documents/Findings	RN5
Air Emission Permits	cancelled
County Special Use Permits	CUP-98-3
UG Mining Landowner Notification	1998
Subsidence Monitoring Reports	TO BE DONE 2013
Subsidence Monitoring Data	Due in 2013
Rill & Gully Survey	ARR
Vegetation Monitoring Data	2010
Specific Variance Approvals	NA
Annual Reclamation Reports	2012
Midterm Review Documents	1 MT6
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	THRU2/13 &cv- 2013-002
Transfers/Succession of Operator	SO-1 7/30/1984
Temporary Cessation Notification	X
Reclamation Cost Estimate	MT6
CERTIFICATIONS	
Pond Certifications	x
Annual Certifications for Impoundments	3/7/2013
Fill Certifications for Excess Spoil or Underground Development Waste	NA
• Quarterly Inspections	
• Compaction Testing	
• Final Certification	
Coal Processing Waste Banks	RDA Term.2010
Haul Road Certifications	X
Access Road Certifications	X

HYDROLOGIC RECORDS

NPDES Permit	Exp 6/30/13
NPDES Records	THRU 4 TH 1/4 12
Stormwater Management Plan	MR-57
SPCC Plan	terminated 5/25/04
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	1 st 1/4 2013
Annual Hydrology Reports	2011
• Ground Water Monitoring	11-28-12
• Surface Water Monitoring	11-30-12
• Spring & Seep Monitoring	
• Mine Water Discharge Monitoring	
• Mine Inflow Study	
• Water Consumption Records	
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:

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