

Permit Number: C-1996-084

1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 http://mining.state.co.us

PERMIT INFORMATION

County: Las Animas

12/15/2017

Mine Name: Lorencito Canyon M Operator: New Elk Coal Compar Operator Address: Mr. Louis Head		Operation Type: Surface Permit Status: Permanent Cessation Ownership: Private				
Mr. Louis Head 12250 Highway 12		Operator Representative Present:				
Weston, CO 81091		Nick Mason				
Operator Representative Signatu	re: (Field Is	Issuance Only)				
INSPECTION INFORMATION						
Inspection Start Date: December 13, 2017 Inspection Start Time: 10:30 Inspection End Date: Inspection End Time:		Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Clear				
Joint Inspection Agency:		Joint Inspection Contacts:				
None						
Post Inspection Agency:		Post Inspection Contacts:				
None						
Inspector(s):	Inspector's Signature: Signature Date					
Robert D. Zuber, P.E.		Phot D. The				

Inspection Topic Summary

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

NA - Air Resource Protection Y - Roads

 ${f Y}$ - Availability of Records ${f R}$ - Reclamation Success

NA - Backfill & Grading

R - Excess Spoil and Dev. Waste

Y - Revegetation

NA - Subsidence

NA - Explosives Y - Slides and Other Damage Y - Fish & Wildlife NA - Support Facilities On-site

R - Hydrologic Balance Y - Signs and Markers

Y - Gen. Compliance With Mine Plan
 Y - Support Facilities Not On-site
 Y - Special Categories Of Mining

NA - Processing Waste Y - Topsoil

COMMENTS

A complete inspection was conducted by Rob Zuber of DRMS on December 13, 2017. The weather was clear, and the ground was mostly dry. Nick Mason of NECC was present for the inspection.

EXCESS SPOIL and DEVELOPMENT WASTE - Rule 4.09

Placement; Drainage Control; Surface Stabilization:

Fills 7, 8, and 9 were inspected. All were generally in good condition with good vegetation cover. The rills on Fill 7 appear to be healing well. At the low end of the east channel of Fill 9, no erosion problems were seen.

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:

Several ponds were inspected: 6, 7, 8, and 9A. All were holding water but not discharging. No problems were identified with embankments or emergency spillways.

To address discrepancies with the configuration of holes on some riser pipes on primary spillways, NECC staff have begun to revise them by drilling new holes. For some spillways, old holes will need to be covered. NECC staff should do the best job to prevent leakage through these holes, but a small amount of leakage is acceptable.

Ditch D7, where it drains into Pond 006A, has some erosion that should be monitored and possibly repaired. Check dams in Ditch D9 have been cleaned. The lower sections of Ditches D12 and D14 were inspected, and no problems were identified.

Number of <u>Partial</u> Inspection this Fiscal Year: 6 Number of <u>Complete</u> Inspections this Fiscal Year: 2

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The hillside above Pond 6 looked relatively stable. The rills do not appear to be getting worse, and some may be healing. Rills on the west side of "the knob" need to be repaired.

ENFORCEMENT ACTIONS/COMPLIANCE

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





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Fill 7 – upper portion where rills were located



Fill 7 – lower portion



Pond 7 – NECC staff looking at spillway



Ditch D9 – recently cleaned check dams



Fill 8 and northwestern portion of "the knob"



Pond 8 with new holes on spillway



Fill 9 – northeast portion



Fill 9 from below

AVAILABILITY OF RECORDS

Permit Application w/Revisions Findings Document Insurance Certificate April 2018 Bond Document Phased Bond Release St.2. Documents/Findings Air Emission Permits County Special Use Permits UG Mining Landowner Notification Subsidence Monitoring Data Specific Variance Approvals Annual Reclamation Reports MT4 (findings Jan. 2016) DRMS/OSM Inspection Reports/Enforcement Actions Transfers/Succession of Operator Temporary Cessation Notification Reclamation Cost Estimate CERTIFICATIONS Pond Certifications for Impoundments Find Certifications Coal Processing Waste Banks Anual Certifications Vese and Certifications Coal Processing Waste Banks Anual Certifications Vese Sour Coar Certifications Coal Processing Waste Banks Anual Certifications Vese Sour Coar Certifications Vese Sour Care Management Plan Stormwater Management Plan SpeCC Plan NSPCC Plan MSHA Pond Inspections Np/a MSHA Pond Inspections Quarterly Pond Inspections Anual Hydrology Reports Formula Hydrolo	PERMIT RECORDS DRMS Permit	Expired 11/7/2017 (RN-04 pending)	HYDROLOGIC RECORDS NPDES Permit	CO0048988 (unsigned)
SPCC Plan n/a	Permit Application w/Revisions	yes	NPDES Records	(terminated
Bond Document Phased Bond Release S12. Documents/Findings Air Emission Permits County Special Use Permits UG Mining Landowner Notification Subsidence Monitoring Data Rill & Gully Survey Vegetation Monitoring Data Annual Reclamation Reports Annual Reclamation Reports DRMS/OSM Inspection Reports/Enforcement Actions Transfers/Succession of Operator Temporary Cessation Notification Reclamation Cost Estimate CERTIFICATIONS Polage Annual Certifications for Excess Spoil or Underground Development Waste Compaction Testing Final Certifications Coal Processing Waste Banks Hall Road Certifications Coal Processing Waste Banks In/a Light SUP-01-020 Annual Hydrology Reports State Engineer's Pond Inspection Quarterly Pond Ins		MT4 (Jan. 2016)	=	
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