




**PERMIT INFORMATION**

<b>Permit Number:</b> C-1996-084 <b>Mine Name:</b> Lorencito Canyon Mine <b>Operator:</b> New Elk Coal Company, LLC <b>Operator Address:</b> Mr. Louis Head 12250 Highway 12 Weston, CO 81091	<b>County:</b> Las Animas <b>Operation Type:</b> Surface <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  Nick Mason and others
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> August 22, 2018 <b>Inspection Start Time:</b> 14:00 <b>Inspection End Date:</b> August 23, 2018 <b>Inspection End Time:</b> 10:50		<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Cloudy	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>  	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>  	
<b>Inspector(s):</b>  Robert D. Zuber, P.E.	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  8/24/2018

**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

NA - Backfill &amp; Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

Y - Revegetation

NA - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

Y - Signs and Markers

Y - Support Facilities Not On-site

Y - Special Categories Of Mining

Y - Topsoil

**COMMENTS**

A complete inspection was conducted by Rob Zuber of DRMS on August 22 and 23, 2018 (only records check on the 22nd). The weather was partly cloudy. The ground was mostly dry. Nick Mason, Bill Massarotti, and Vince Massarotti of NECC were present for the inspection.

**EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09**

Placement; Drainage Control; Surface Stabilization:

Fills 7, 8, and 9 were inspected. No large rills or gullies were seen. The vegetation on Fills 7 and 9 are still relatively dry.

**FISH and WILDLIFE – Rule 4.18:**

Elk were heard bugling, but none 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:

All ponds were inspected: 5, 6, 7, 8, 9, and 9A. None were completely dry, but none of them were discharging. No problems were identified with embankments, spillways, or other features of the ponds.

No problems were found with ditches. In particular, the following ditches (at least significant segments of them) were inspected closely: D5, D9, D73, and D86. The use of branches for erosion control appears to be working well in Ditches D9 and D73.

Culverts C3, C4, and C21 were all clear or mostly clear, and no maintenance is needed at this time. Culvert C20 is shown on the map of ditches and culverts (Map 2.05.3-7) but no longer exists.

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

**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):

No problems were seen with roads.

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

The area below (and south of) Culvert C5 is in good shape with significant green vegetation. BA-3 is in good shape (viewed from across the creek). The hill known as “the knob” looked to be stable, with no large rills or gullies.

There are many rills and bare spots on the hillside above Pond 6 and on the hillside above the pond cleaning dump area. The rill next to Pond 7 appears to be healing well, and the branches placed in this large rill appear to be helping considerably.

**ENFORCEMENT ACTIONS/COMPLIANCE**

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

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Number of Complete Inspections this Fiscal Year: 1

**PHOTOGRAPHS**



**Fill 7**



**Sump at upper end of Culvert C4**

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Number of Complete Inspections this Fiscal Year: 1





**Ditch D73, looking downstream (west)**



**Area south of Culvert C5**

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Number of Complete Inspections this Fiscal Year: 1



**Branches for erosion control in Ditch D73 (top photo) and Ditch D9 (bottom)**

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Number of Complete Inspections this Fiscal Year: 1





**Hill above Pond 6**



**Fill 7 in background and erosion control branches near middle of photo**

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Number of Complete Inspections this Fiscal Year: 1



**Fill 8**

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



**AVAILABILITY OF RECORDS****PERMIT RECORDS**

DRMS Permit	Expires 11/7/2022
Permit Application w/Revisions	yes
Findings Document	RN4 (Jan. 2018)
Insurance Certificate	Exp. April 2019
Bond Document	\$927,121.00
Phased Bond Release	SL2,
Documents/Findings	Findings 4/29/08
Air Emission Permits	Terminated
County Special Use Permits	SUP-01-020
UG Mining Landowner Notification	n/a
Subsidence Monitoring Reports	n/a
Subsidence Monitoring Data	n/a
Rill & Gully Survey	2017 ARR
Vegetation Monitoring Data	
Specific Variance Approvals	n/a
Annual Reclamation Reports	2017
Midterm Review Documents	MT4 (findings Jan. 2016)
DRMS/OSM Inspection	Through
Reports/Enforcement Actions	July 2018
Transfers/Succession of Operator	Executed 2008
Temporary Cessation Notification	n/a
Reclamation Cost Estimate	RN4, \$877,328
<b>CERTIFICATIONS</b>	
Pond Certifications	Yes, Exhibit 15
Annual Certifications for Impoundments	n/a
Fill Certifications for Excess Spoil or Underground Development Waste	2003
• Quarterly Inspections	Q1 2018
• Compaction Testing	
• Final Certification	
Coal Processing Waste Banks	n/a
Haul Road Certifications	yes
Access Road Certifications	yes

**HYDROLOGIC RECORDS**

NPDES Permit	CO0048988, Expires 12/31/2020
NPDES Records	Q3 2015 (terminated monitoring)
Stormwater Management Plan	2007
SPCC Plan	n/a
MSHA Pond Inspections	n/a
State Engineer's Pond Inspection	n/a
Quarterly Pond Inspections	<b>* Comment 1</b>
Annual Hydrology Reports	Terminated
• Ground Water Monitoring	
• Surface Water Monitoring	
• Spring & Seep Monitoring	
• Mine Water Discharge Monitoring	
• Mine Inflow Study	
• Water Consumption Records	
Well Permits	201451, 201453- 201476

**BLASTING RECORDS**

Blasting Publication	n/a
Blasting Records (3 years)	n/a
ATFE Explosives Permit	n/a
Blasting Variances	n/a
Pre-Blast Surveys	n/a

**ADDITIONAL RECORDS  
(specify)**

None at this time	

**Comments**

**\*1 Through Q1 2018. Staff to contact Ron Thompson for newer reports.**

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