




**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>  None
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> October 29, 2018 <b>Inspection Start Time:</b> 13:00 <b>Inspection End Date:</b> October 29, 2018 <b>Inspection End Time:</b> 15:00		<b>Inspection Type:</b> Aerial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<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.  Harry B. Ranney	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  10/29/2018

**Inspection Topic Summary**NOTE: **Y**=Inspected **N**=Not Inspected **R**=Comments Noted **V**=Violation Issued **NA**=Not Applicable**NA** - Air Resource Protection**N** - Availability of Records**NA** - Backfill & Grading**R** - Excess Spoil and Dev. Waste**NA** - Explosives**N** - Fish & 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**N** - Signs and Markers**Y** - Support Facilities Not On-site**N** - Special Categories Of Mining**N** - Topsoil**COMMENTS**

The Lorencito Canyon Mine was photographed from an airplane by Harry Ranney of DRMS on October 25, 2018. These photos were reviewed by Rob Zuber of DRMS on October 29, 2018. The weather was clear.

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

Placement; Drainage Control; Surface Stabilization:

No large rills or other problems were identified with Fills 7, 8, or 9.

**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:

Ponds 6, 7, 8, 9, and 9A were inspected, and all contained water. No issues were identified with embankments or spillways.

No erosion problems or other issues were identified with any ditches. Check dams in ditches (D5, D8, D9, D64, and D71) also appeared to be functioning well.

**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 with roads were identified.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1

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

The east, west, and north sides of the large hill (aka “the knob”) have many rills. NECC should continue to monitor these to determine which rills require maintenance. The same is true for other hills within the disturbed area, including the hill south of Fill 8 (above the sediment dump area) and the hill above Pond 6.

**ENFORCEMENT ACTIONS/COMPLIANCE**

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

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1

## **PHOTOGRAPHS**



**Pond 8 and lower portion of Fill 8**



**Fill 9, the eastern portion of “the knob” and two sediment ponds**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1



**"The knob" with ditches on north side of this hill (in foreground of photo)**

*Shrub plot*

*Area where pond cleanings are placed*



**Fill 8**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1





**Fill 9 and Pond 9a (pond on left side of photo)**



**Fill 7, Pond 7, and Pond 6**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1