




**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
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> November 15, 2018 <b>Inspection Start Time:</b> 07:00 <b>Inspection End Date:</b> November 15, 2018 <b>Inspection End Time:</b> 08:00		<b>Inspection Type:</b> Coal Partial 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.	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  11/20/2018

**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 &amp; Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

N - 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**

A partial inspection was conducted by Rob Zuber of DRMS on November 15, 2018. The weather was clear. Nick Mason of NECC was present for the inspection. The ground was mostly covered with snow on north facing slopes, and the inspection was very short to avoid driving on very muddy roads (the weather forecast was for warm temperatures after warm temperatures the day before).

**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.

**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:

Two ponds were inspected: 6 and 9A. Both contained water/ice/snow. Pond 6 was not discharging. Pond 9A was only inspected from the fill above, so it could not be said that it was not discharging (although it is highly unlikely that it was discharging based on the observed water level). No problems were identified with embankments, spillways, or other features of the ponds.

No problems were found with ditches. In particular, ditch D86 was found to be stable.

Number of Partial Inspection this Fiscal Year: 4

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):

Maintenance is needed on the road to Pond 6.

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

No erosion or other problems were seen with BA-3 (it was viewed from across the creek).

The hill known as “the knob” looked to be stable, with no gullies. Rills were seen (as in the past), and NECC staff indicated that branches will be placed in them. If possible, that should be done this winter, prior to spring 2019 runoff.

The rills and bare spots on the hillside above Pond 6 do not appear to have gotten worse in recent weeks. The same can be said about rills on the hillside above the pond cleaning dump area, although snow on this north-facing hill precluded a thorough inspection.

NECC staff have addressed some of the erosion on hills near the shrub plot with branches.

**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**



**Area in Pond 6 watershed**



**Channel and sediment control below Pond 6**

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Number of Complete Inspections this Fiscal Year: 1



**Road to Pond 6 in need of repair**



**“The knob” and shrub plot, with erosion control branches in foreground**

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Number of Complete Inspections this Fiscal Year: 1





**Fill 8**



**Fill 7**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 1



**Pond 9A with Fill 9 in foreground**



**Fill 9**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 1