




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



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1994-082 <b>Mine Name:</b> Yoast Mine <b>Operator:</b> Seneca Coal Company, LLC <b>Operator Address:</b> Mr. Roy Karo 37796 Routt County Road 53 P.O. Box 670 Hayden, CO 81639	<b>County:</b> Routt <b>Operation Type:</b> Surface <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Federal
	<b>Operator Representative Present:</b>  Roy Karo
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> September 23, 2013 <b>Inspection Start Time:</b> 14:00 <b>Inspection End Date:</b> September 23, 2013 <b>Inspection End Time:</b> 17:00		<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>  Jared L. Ebert	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  October 2, 2013

**Inspection Topic Summary**

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

Y - Air Resource Protection

N - Availability of Records

N - Backfill &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

Y - Roads

R - Reclamation Success

R - Revegetation

NA - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

R - Topsoil

**COMMENTS**

This was a partial inspection of the Yoast Mine; permit no. C-1994-082, operated by Seneca Coal Company (SCC). I, Jared Ebert of the Colorado Division of Reclamation, Mining and Safety conducted the inspection. Mr. Roy Karo with SCC was aware of the inspection but did not accompany me into the field.

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:

Pond 012 was holding water and not discharging. The embankment was stable and vegetated. The sediment level appears to be high and the pond may need to be cleaned. The primary and emergency spillways were clear and functional.

Pond 012a was holding water but was not discharging. The primary and emergency spillways were clear and functional. The embankment was stable and vegetated.

A new surge tank was installed in the YPM-5-1 drainage.

Repairs to drainage channels YPM-6-2, 6-1, 7, 5-1 appear to be complete. The Operator has re-built these channels and lined them with rip-rap and installed gabion check dams at various locations along the drainage.

A new surge tank has been installed in drainage YPM-3-2 above the SP06-3 shrub enclosure.

Drainage YPM-3-2 was observed. The channel is rip-rapped and stable.

A very steep section of YPM-14 discharges into Pond 014. This channel is lined with rip-rap and appears stable.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

Pond 014 is holding water but was not discharging. The primary and emergency spillway was clear and functional. The impoundment embankment was stable and vegetated.

Diversion 13A was observed. The lower berm is in place. Sediment has collected in portions of the diversion but overall it appears functional.

Pond 013 was holding water but was not discharging. The embankment was stable and vegetated. The primary and emergency spillway was clear and functional.

YPM-4-1 drainage is stable and functioning.

Pond 010 was holding water and discharging. The impoundment embankment was stable and vegetated. The primary and emergency spillway was clear and functional.

Pond 011 was holding water but not discharging. The embankment was stable and vegetated. The primary and emergency spillway was clear and functional.

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

Sheep grazing was occurring in the YPM 6-2/7 and YPM-5-1 drainage basins.

#### REVEGETATION – Rule 4.15; Vegetative Cover; Timing:

Several rows of trees and shrubs were planted in the recently topsoiled area near the Pond 012 slide. The primary species planted appears to be Box Elder, Narrowleaf Cottonwood, Willow and Birch.

#### SLIDES and DAMAGE - Rule 4.12:

Topsoil was applied to the Pond 012 slide area. Several rows of trees and shrubs were planted in the recently topsoiled area.

The Pond 013 slide was observed, it does not appear this slide has changed significantly since the last inspection.

#### TOPSOIL – Rule 4.06

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

The northeast slope of Pond 12a appears to have been recently graded and topsoiled.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

## **PHOTOGRAPHS**



Pond 012



Tree and shrub planting area in the Pond 012 slide area.



Pond 012 slide area, recently topsoiled and trees planted.



Pond 012a, sheep grazing in the area.



YPM 6-3 drainage inlet to pond 012.



YPM-5-1 drainage

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YPM-14 drainage.



YPM-6-2 and 7 drainage basin.



Diversion 13a

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1