




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



PERMIT INFORMATION

Permit Number: C-1982-057 Mine Name: Seneca II-W Mine Operator: Seneca Coal Company, LLC Operator Address: Mr. Roy Karo 37796 Routt County Road 53 P.O. Box 670 Hayden, CO 81639	County: Routt Operation Type: Surface Permit Status: Permanent Cessation Ownership: Federal
	Operator Representative Present: Roy Karo
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: March 18, 2013 Inspection Start Time: 12:30 Inspection End Date: March 20, 2013 Inspection End Time: 09:30	Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Clear
Joint Inspection Agency: None	Joint Inspection Contacts:
Post Inspection Agency: None	Post Inspection Contacts:
Inspector(s): Jared L. Ebert	Inspector's Signature:  Signature Date: March 25, 2013

Inspection Topic Summary

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

Y - Air Resource Protection

R - Availability of Records

R - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

R - Roads

Y - Reclamation Success

R - Revegetation

NA - Subsidence

R - Slides and Other Damage

R - Support Facilities On-site

Y - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

COMMENTS

This was a complete inspection of the Seneca II-W Mine; DRMS file No. C-1982-057 operated by Seneca Coal Company. I, Jared Ebert with the Colorado Division of Reclamation, Mining and Safety conducted the inspection. Mr. Roy Karo with Seneca Coal Company was aware of the inspection but did not accompany me into the field. The weather was cloudy and cold on March 18. Tuesday March 19 was clear and sunny, and Wednesday March 20 was partially cloudy, windy and cold.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

A records check was conducted please see the end of this report for details.

BACKFILL and GRADING – Rule 4.14; Contemporaneous Reclamation 4.14.1; Approximate Original Contour 4.14.2; Highwall Elimination 4.14.1(2)(f); Steep Slopes 4.14.2, 4.27; Handling of Acid and Toxic Materials 4.14.3; Stabilization of Rills and Gullies 4.14.6:

The majority of the affected area was covered in snow, some rills and gullies were observed in areas where snow had melted. See the Slides and Damages section and the Hydrologic Balance section of this report for more details.

FISH and WILDLIFE – Rule 4.18:

The Pond 005 area appears to be heavily used by deer, elk and other wildlife.

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:

Number of Partial Inspection this Fiscal Year: 10

Number of Complete Inspections this Fiscal Year: 3

Pond 009 was holding water and was ice covered. The primary spillway was clear of debris and functional. The emergency spillway was snow covered. The embankment was snow covered but appeared stable.

Pond 015 was holding water and was discharging. The primary spillway was partially frozen but was still functional. The emergency spillway was snow covered. The embankment was snow covered but appeared stable.

Pond 006 was holding water and discharging. The embankment was snow covered but appeared stable. The primary spillway was clear of debris and functional. The emergency spillway was snow covered.

Pond 016 was holding water and discharging. The primary spillway was partially covered with snow but was functional. The embankment was snow covered but appeared stable. The emergency spillway was also snow covered.

Pond 017 was inaccessible due to the snow conditions.

The PM-2, PM-3, PM-6, drainage basins were visible from the Pond 016 area. The drainages and basins were snow covered but they appeared stable.

Stock tank T-24 was snow covered but the embankment appeared stable.

Pond 005 was holding water but was not discharging from the primary spillway. There is a seep adjacent to the bottom of the primary spillway culvert at the base of the embankment. This seep was flowing and the water was discharging from the flume.

Stock tank T-20 was holding water and the embankment was snow covered but appeared stable.

Drainages 005-E-1 and 005 Gulch were snow covered. Portions of these drainage basins were melted and some rills were visible.

Stock Tank T-18 was holding water, the embankment was snow covered but appeared stable.

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):

The roads throughout the mine were snow covered. The Mine Entrance and Access Road to the shop area and oil well was the only road that was plowed and accessible. This road appeared maintained.

REVEGETATION – Rule 4.15; Vegetative Cover; Timing:

The majority of the affected area was covered in snow and the vegetation is dormant at the time of this inspection.

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SLIDES and DAMAGE - Rule 4.12:

The Pond 016 slide area was observed. The rock mulch that was applied to the graded area was exposed and appears to have stayed in place after snow has melted from the area. Minor rilling was observed from the snow melt in this area.

SUPPORT FACILITIES - Rule 4.04:

The shop area was observed, no problems were noted.

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PHOTOGRAPHS



Pond 009



Road A near the Pit Ramp Slide looking into the upper end of 006 Gulch



Pond 015



PM-2 and 3 Drainage Basins into Pond 016



006 Gulch, oil well



Pond 016 Slide Area

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Pond 016



Pond 005 primary spillway at the base of the embankment.



Stock Tank T-24



Drainage 005-E-1



Pond 005



Stock Tank T-20

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Stock Tank T-18, and 005 Gulch

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<u>AVAILABILITY OF RECORDS</u>			
PERMIT RECORDS		HYDROLOGIC RECORDS	
DRMS Permit	X Exp 12/31/15	NPDES Permit	X Exp 10/31/2011 ren app 4/2011, indef. Ext. 10/11
Permit Application w/Revisions	X @Sage Creek Office	NPDES Records	X 4 th Q 2012
Findings Document	X PR-6 2012	Stormwater Management Plan	Updated Jan 3 rd 2013
Insurance Certificate	X Exp 11/1/2013	SPCC Plan	X December 15, 2010
Bond Document	X SB \$6,225,552.61	MSHA Pond Inspections	NA
Phased Bond Release Documents/Findings	X SL3 1*		NA
Air Emission Permits	NA	State Engineer's Pond Inspection	
County Special Use Permits	X 2014	Quarterly Pond Inspections	X 3 rd Q 2012
UG Mining Landowner Notification	NA	Annual Hydrology Reports	X 2011
Subsidence Monitoring Reports	NA	• Ground Water Monitoring	X
Subsidence Monitoring Data	NA	• Surface Water Monitoring	X
Rill & Gully Survey	X 2012	• Spring & Seep Monitoring	X
		• Mine Water Discharge Monitoring	NA
Vegetation Monitoring Data	X 2012	• Mine Inflow Study	NA
Specific Variance Approvals	X PAP	• Water Consumption Records	
			June/July 2012
Annual Reclamation Reports	X 2011	Well Permits	X Aug 1990
Midterm Review Documents	X 2008		
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	X		
Transfers/Succession of Operator	X 1994	BLASTING RECORDS	
Temporary Cessation Notification	NA	Blasting Publication	NA
		Blasting Records (3 years)	NA (last blast Jan '06)
Reclamation Cost Estimate	X PR6	ATFE Explosives Permit	NA
CERTIFICATIONS		Blasting Variances	PAP
Pond Certifications	X PAP	Pre-Blast Surveys	PAP
Annual Certifications for Impoundments	X		
Fill Certifications for Excess Spoil or Underground Development Waste	NA	ADDITIONAL RECORDS (specify)	
• Quarterly Inspections	NA		
• Compaction Testing	NA		
• Final Certification	NA		
Coal Processing Waste Banks	NA		
Haul Road Certifications	X PAP		
Access Road Certifications	X PAP		

COMMENTS: 1* Need to file SL4 Findings Document

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