




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



PERMIT INFORMATION

Permit Number: C-1980-005 Mine Name: Seneca II Mine Operator: Seneca Coal Company, LLC Operator Address: Mr Roy Karo P.O. Box 670 Hayden, CO 81639	County: Routt Operation Type: Surface Permit Status: Inactive Ownership: Private
	Operator Representative Present: Scott Cowman
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: October 22, 2013 Inspection Start Time: 07:00 Inspection End Date: October 22, 2013 Inspection End Time: 13:00	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): Jason D. Musick	Inspector's Signature:  Signature Date: 10/28/2013

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 NA - 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 R - Reclamation Success R - Revegetation NA - Subsidence NA - Slides and Other Damage NA - Support Facilities On-site Y - Signs and Markers NA - Support Facilities Not On-site NA - Special Categories Of Mining N - Topsoil

COMMENTS

This was a complete coal inspection of the Seneca II mine conducted by Jason Musick of CDRMS. The mine site was dry and the weather was clear during the on-the-ground inspection of the site. No mining or reclamation activities were being conducted during the inspection. Scott Cowman of Peabody Energy accompanied the inspection.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

All records were on file and inspected at the Peabody Sage Creek Mining offices, with hydrology records (Annual Hydrology Reports, quarterly DMR and pond inspection reports) located at the Seneca Mine offices.

FISH and WILDLIFE – Rule 4.18:

The post-mining land use for the Seneca II site is classified as rangeland and wildlife habitat. Columbian sharp-tailed grouse is identified as a State of Colorado Species of concern. During the inspection of the site no sharp-tail grouse were observed in the northwestern portion of the permit, east of Road C. Grouse were observed during the May and July Coal Complete inspections.

Cattle have been moved off of the site.

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 008 was stable and discharging through the 12” flume at the time of the inspection. Embankments are stable and well vegetated, with the exception identified below. The water in the pond and through the discharge was clear. No problems were noted, with the exception of the following:

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 2



Pond 008 Primary Spillway Inlet



Pond 008

- A heavy amount of cattle were observed on the crest of the Pond 008 embankment and along the southern end of the embankment during the July 2013 inspection. As suspected, the cattle presence has reduced the vegetation on the crest of the embankment to near bare ground condition and had caused “trails” to be created down the side of the embankment to the water’s edge and along the discharge ditch to the flume. The embankment may require interseeding and the presence of cattle should be minimized.



Pond 008 Embankment



Pond 008 Flume

Established drainage SIIPM-8 was stable with no problems noted, with the exception of the following:

- Due to precipitation events since the July 2013 inspection has caused some movement of rock and fabric within the drainage. Down cutting was observed and contained within the drainage. Maintenance will be required to address the movement of material and down cutting.

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SIIPM 8 Drainage

Spoil Spring 009 was not flowing into Pond 008 at the time of the inspection.

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):

Road C, the South Road and South Road B were dry and stable with no problems noted at the time of the inspection, with the exception of the following:

- The South Road to South Road B displayed some rutting due to operation during muddy conditions. These ruts could contribute to erosion of the road if not addressed.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The entire mine site has achieved Phase II bond release. The reclamation on the ground reflects Phase II status and was stable with no problems noted at the time of the inspection. With the exception of the maintenance items identified above.

REVEGETATION – Rule 4.15 Vegetative Cover; Timing:

The revegetation status on the ground reflects Phase II status and displayed good cover and diversity with no problems noted at the time of the inspection, with the exception of the Pond 008 embankment noted in the Hydrologic Balance section of this inspection report..

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ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions are pending and none were taken as a result of this inspection.

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp 2/17/2017
Permit Application w/Revisions	OK
Findings Document	RN6
Insurance Certificate	11/11/2013
Bond Document	6510675 \$429,424
Phased Bond Release	SL5
Documents/Findings	
Air Emission Permits	11-RO-484-F
County Special Use Permits	OK
UG Mining Landowner Notification	NA
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	2013
Vegetation Monitoring Data	2012
Specific Variance Approvals	NA
Annual Reclamation Reports	2012
Midterm Review Documents	2009
DRMS/OSM Inspection	Thru 7/13
Reports/Enforcement Actions (3 Years)	
Transfers/Succession of Operator	SO2
Temporary Cessation Notification	NA
Reclamation Cost Estimate	SL5
CERTIFICATIONS	
Pond Certifications	Tab 7
Annual Certifications for Impoundments	2011
Fill Certifications for Excess Spoil or Underground Development Waste	NA
• Quarterly Inspections	NA
• Compaction Testing	NA
• Final Certification	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	Tab 13
Access Road Certifications	Tab 13

HYDROLOGIC RECORDS

NPDES Permit	CO00000221
NPDES Records	2Q2012
Stormwater Management Plan	2010
SPCC Plan	NA
MSHA Pond Inspections	NA
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	2Q 2012
Annual Hydrology Reports	2011
• Ground Water Monitoring	AHR
• Surface Water Monitoring	AHR
• Spring & Seep Monitoring	AHR
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	OK

BLASTING RECORDS

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	NA

**ADDITIONAL RECORDS
(specify)**

COMMENTS:

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