




**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: May 7, 2013 Inspection Start Time: 08:00 Inspection End Date: May 7, 2013 Inspection End Time: 10:00	Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Raining
Joint Inspection Agency: None	Joint Inspection Contacts:
Post Inspection Agency: None	Post Inspection Contacts:
Inspector(s): Jason D. Musick	Inspector's Signature:  Signature Date: 5/13/2013

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 N - Other NA - Processing Waste	R - Roads R - Reclamation Success Y - 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 Y - Topsoil

COMMENTS

This was a complete coal inspection of the Seneca II mine conducted by Jason Musick of CDRMS. Scott Cowman of Peabody Energy accompanied the inspection. The mine site was wet due to recent and on-going rainfall during the inspection. No mining or reclamation activities were being conducted during 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. **CDRMS inspection reports after the November, 2012 were not on file.**

FISH and WILDLIFE – Rule 4.18:

The post-mining land use for the Seneca II site is classified as wildlife habitat. Columbian sharp-tailed grouse is identified as a State of Colorado Species of concern. During the inspection of the site 5-7 sharp-tail grouse were observed in the northwestern portion of the permit, east of Road C.

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 with .15 discharge through the 12” baski flume at the time of the inspection. Embankments are stable and well vegetated. The water in the pond and through the discharge was clear, with the exception of a large sediment plume near the southwest edge of the pond which was receiving runoff from a natural drainage across the Pond 008 access road during the rainfall. No problems were noted.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 4



Pond 008



Sediment Plume at Pond 008

V-Ditches 1, 2, 3, 4 and 5 were stable with no problems noted. Small erosional features were observed in the area north of SIIPM-8 between V-ditches 1 and 2. The features were in an area of recent disturbance created during the repairs to SIIPM-8.



V- Ditch #2 into SIIPM-8



V-Ditch #3 into SIIPM-8

Established drainage SIIPM-8 was stable with no problems noted. The areas of repair work disturbance remain bare with a small amount of vegetative growth observed. The disturbed areas will require monitoring for the development of rills and gullies due to low vegetation establishment.

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SIIPM-08

Spoil Spring 009 was flowing into Pond 008 at the time of the inspection. **Water was flowing from the second well up from Pond 008 in the series of 5 wells. This well head along with the third well head in the series was damaged at the time of the inspection. No water was flowing from the third well. These well will require repair.**



Spoil Spring 009



Damaged Well Head

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 wet and stable with no problems noted at the time of the inspection.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The entire mine site has achieved Phase II bond release, with the exception of the areas identified in SL-5. This Phase II bond release application is currently under review by the Division. The reclamation on the ground reflects Phase II status and was stable with no problems noted at the time of the inspection.

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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	2012
Vegetation Monitoring Data	2012
Specific Variance Approvals	NA
Annual Reclamation Reports	2012
Midterm Review Documents	2009
DRMS/OSM Inspection	Thru 11/2012
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	1Q2012
Stormwater Management Plan	2010
SPCC Plan	NA
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	1Q 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: 1 – DRMS inspection past 11/12 not on file

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