




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



PERMIT INFORMATION

Permit Number: C-1994-082 Mine Name: Yoast 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: None
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: October 23, 2013 Inspection Start Time: 09:45 Inspection End Date: October 24, 2013 Inspection End Time: 11:45	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): Janet H. Binns Jared L. Ebert	Inspector's Signature:  11/4/2013 Signature Date:

Inspection Topic Summary

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

Y - Air Resource Protection	Y - Roads
R - Availability of Records	Y - Reclamation Success
R - Backfill & Grading	R - Revegetation
NA - Excess Spoil and Dev. Waste	NA - Subsidence
NA - Explosives	R - Slides and Other Damage
Y - Fish & Wildlife	Y - Support Facilities On-site
R - Hydrologic Balance	Y - Signs and Markers
Y - Gen. Compliance With Mine Plan	NA - Support Facilities Not On-site
NA - Other	NA - Special Categories Of Mining
NA - Processing Waste	Y - Topsoil

COMMENTS

This was a complete inspection conducted by Janet Binns and Jared Ebert of CDRMS. The weather was cool and frosty in the morning warming up in the afternoon.

The Yoast Mine is a reclaimed surface mine.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

Hydrology records were verified at the HGLO office.

Yoast Permit and all other records are stored at the PSCM office. Records were verified on 10/24/2013.

Availability of Records form accompanies this report.

Insurance Liability Certificate expires on 11/1/2013.

BACKFILL and GRADING – Rule 4.14

Approximate Original Contour 4.14.2; Highwall Elimination 4.14.1(2)(f); Steep Slopes 4.14.2, 4.2; Stabilization of Rills and Gullies 4.14.6:

Pond 13 slide repairs appear stable at the time of the inspection. The head scarp has been tracked and is not gullying. The toe of this slide has been left rough.

Repairs at the base of the neck pit slide, alongside road LU3A, and immediately upslope of SP07-1, needs additional repair. TRM matting has been undercut. (Photos 2 & 3).

The piezometer in this location has been broken off as well.

A crack averaging 6” to approximately 18” deep was noted at the eastern extent of the backfilled highwall of the Wolf Creek Seam Pit (Exhibit 12-1), W1/2 SW1/4 Section 20 (Exhibit 20-2). This crack appears to be a settlement crack, and no toe bulge was noticed down slope of the crack.

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Number of Complete Inspections this Fiscal Year: 2

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; 4.05.8; Impoundments 4.05.6, 4.05.9

The inspection began at Pond 12. Vegetation has grown up around the flume. SCC needs to clear vegetation and sediment from the flume to assure this structure remains clear. The discharge flume for Pond 12 is not level. Pond 12 was discharging, approximated at 0.01 on staff gauge. Gauge is located on the upstream portion of the flume.

The gabion upslope from stockpond ST-1 has not been closed. The downstream edge of this gabion still needs to be wired shut.

Drainage YPM-18 has been rip-rapped.

Drainage YPM-5-1 repairs look good.

Sediment build up in Pond 12 may require clean out.

YPM-5 drainage has been repaired. Rip rap and gabions are in place.

YPM-6-1 has been reconstructed.

Pond 12A water level is approximately 5 feet below discharge elevation. Repairs near Pond 12A have been reseeded.

Pond 14 flume outfall has been undercut. Pond 14 was not discharging at the time of the inspection. Armoring of the flume outfall is needed to retard further undercutting.

Pond 13 was not discharging.

YPM 3-2 repairs have been completed. YPM 3-2 is very steep, is rip rapped and rock gabions have been installed. The lowest gabion in this drainage appears to have small rock placed in the gabion. This structure will need to be observed in the spring once flows have occurred in this drainage. The rock gabions appear to be well keyed in to the drainage.

YPM-3-2 surge tank needs perforations cut into the risers.

The surge tanks located upslope of Pond 11A has been repaired and the risers stabilized.

Pond 11A was holding water.

Pond 10 was discharging. Weep hole on riser is partially blocked by vegetation. This material needs to be

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removed from the discharge structure.

Material over Culvert LU-1 is thin. Additional cover is needed to maintain minimum cover over the culvert. (4.03.2(4)(e)(vi)) A portion of the culvert was exposed.

Pond 11 was not discharging. Water level was approximately 8 feet below primary riser.

REVEGETATION – Rule 4.15 ☐ Vegetative Cover; Timing:

Canada thistle patches were observed on the drainages to Pond 12, YPM 6-2.

Shrub plantings along YPM 6-2 have lost their leaves. Plantings do not appear to have been browsed by wildlife or livestock. Weed barriers are in place. Canada thistles are becoming established within the shrub plantings.

The Aspen plot in the southern end of the reclaimed area remains in good condition. The leaves have turned color and are beginning to drop. The aspen appear healthy and viable and not excessively browsed by wildlife. Noxious weed species within the Aspen plot are rare.

DOCUMENTS RECEIVED NA

OTHER (SPECIFY) NA

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ENFORCEMENT ACTIONS/COMPLIANCE

No enforcement actions are currently pending, nor are any enforcement actions taken as a result of this inspection.

PHOTOGRAPHS



Photo 1: lowest gabion in YPM-14.



Photo 2: TRM unsupported and ripping at base of neck pit slide.



Photo 3: Tearing of TRM at base of neck pit slide



Photo 4: Pond 11A

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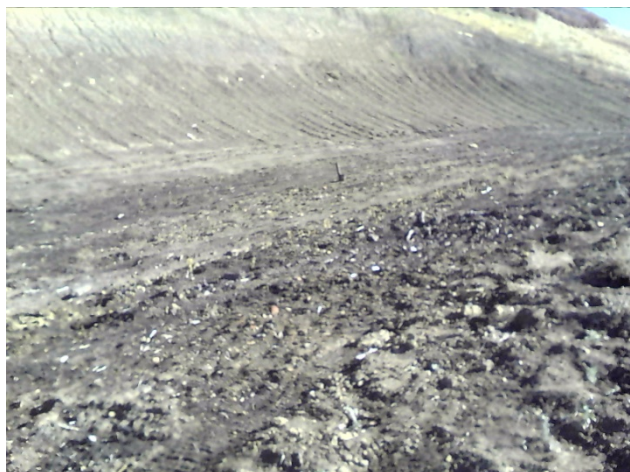


Photo 5: Shrub plantings at Pond 12 slide area



Photo 6: Aspen farm



Photo 7: looking northwards from above YPM-7



Photo 8: Regraded drainage repairs YPM 1-3, YPM 6-1

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit

Exp 8/5/15

HYDROLOGIC RECORDS

NPDES Permit

**Exp 10-31-2011
renewal app.
4/22/11, ext. indef.

Permit Application w/Revisions

@ Sage Creek
Office

NPDES Records

Thru 3rd ¼ 2013

Findings Document

RN-3, MT4

Stormwater Management Plan

Jan 3, 2013

Insurance Certificate

Exp 11/01/13

SPCC Plan

NA

Bond Document

SB 005

MSHA Pond Inspections

NA

\$2,221,677.26

Phased Bond Release

SL-4 application
binder

State Engineer's Pond Inspection
Quarterly Pond Inspections

NA

Documents/Findings

NA

Annual Hydrology Reports

Thru 3rd ¼ 2013

Air Emission Permits

X

County Special Use Permits

NA

UG Mining Landowner Notification

NA

Subsidence Monitoring Reports

NA

Subsidence Monitoring Data

5/29/2013

Rill & Gully Survey

2012

Vegetation Monitoring Data

PAP

Specific Variance Approvals

2012

Annual Reclamation Reports

*MT4

Midterm Review Documents

DRMS/OSM Inspection

Reports/Enforcement Actions (3 Years)

Need to file July,
Aug. & Sept. rpts.

BLASTING RECORDS

Transfers/Succession of Operator

NA

Blasting Publication

NA

Temporary Cessation Notification

NA

Blasting Records (3 years)

NA (last blasting
Feb 2006)

Reclamation Cost Estimate

MT4 3/12/2013

ATFE Explosives Permit

NA

CERTIFICATIONS

Pond Certifications

PAP Tab 13

Blasting Variances

PAP

Annual Certifications for Large
Impoundments

Jan 2013

Pre-Blast Surveys

PAP

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

PAP Tab 13

Access Road Certifications

NA

COMMENTS: *MT4 findings not in file cabinet. Need a copy in the file.

**SCC requested modification 8/22/2013

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