




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



## PERMIT INFORMATION

<b>Permit Number:</b> C-1992-081 <b>Mine Name:</b> Hayden Gulch Loadout <b>Operator:</b> Hayden Gulch Terminal, 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> Loadout <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  Roy Karo
<b>Operator Representative Signature:</b> (Field Issuance Only)	

## INSPECTION INFORMATION

<b>Inspection Start Date:</b> October 21, 2013 <b>Inspection Start Time:</b> 13:15 <b>Inspection End Date:</b> October 22, 2013 <b>Inspection End Time:</b> 09:30	<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Cloudy
<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>  Janet H. Binns	<b>Inspector's Signature:</b>  10/28/2013
	<b>Signature Date:</b>

**Inspection Topic Summary**

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

Y - Air Resource Protection	R - Roads
R - Availability of Records	R - 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	R - 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	R - Topsoil

**COMMENTS**

This was a complete inspection conducted by Janet Binns of DRMS. The weather was cool and partly cloudy. The inspector met Katryna Snowden of HGT LLC at the load out office. Katryna provided access to hydrologic records. Roy Karo arrived at the HGLO office during the inspection. Other records were verified at the PSCM office. Scott Cowman provided access to the records at the PSCM office.

The HGLO is a reclaimed loadout facility. Several structures remain: 2 office trailers, a gravel parking area, septic field, substation, powerlines, 2 sediment ponds, rail track and ballast, culverts, and tie-across haul road (TAHR).

**AVAILABILITY OF RECORDS – Rule 5.02.4(1):**

Availability of records form accompanies this inspection report.

Records for Tie-Across haul road need to be included with HGLO records. Since the TAHR has been transferred from Seneca II West permit to the HGLO permit, the records need to be retained with the HGLO files.

**BACKFILL and GRADING – Rule 4.14 □ Contemporaneous Reclamation 4.14.1; Approximate Original Contour 4.14.2, Stabilization of Rills and Gullies 4.14.6:**

The load out structures have been demolished and the site regraded, topsoiled and seeded.

Regraded slopes are not showing evidence of rilling. Regraded areas appear stable.

**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; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Stream Buffer Zones 4.05.18:**

Two ponds remain at the HGLO; the Truck Loop pond (NPDES ID. COG-850008-001A) and the Rail Loop pond (NPDES ID. COG-850008-002A).

The Rail Loop pond was dry and had a good grass cover in the bottom of the pond. No problems were identified

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on the embankment or with the spillway of the Rail Loop pond. HGT has placed a PVC pipe on top of the combination spillway that will direct any primary discharge to a point that can be sampled. A small section of the earthen material directing the flow is slightly low.

The Truck Loop pond was holding a pool of water approximately 4 feet below the primary riser discharge elevation. There was no evidence of recent discharge. The primary riser pipe was dry. Previous repairs appear to be holding well. There is no sign of seepage within the primary discharge pipe. Canada thistle patch previously noted on the road side of this pond appear dead or in poor health.

Culverts north of State Highway 40 were checked. This area is very flat and irrigated.

Culvert RRC-4 was clear with no blockage on either inlet or outlet.

Culvert RRC-3 needs vegetation cleared from outlet.

Culvert RRC-2 has had a bank collapse on the outlet. This needs to be cleared to assure flow through the culvert.

Culvert RRC-1 needs to be cleared.

Culverts along RCR 37 were observed.

Culvert RRC-13 was clear.

Culvert RRC-14 was clear.

Culvert RRC-15 was clear.

Culvert RRC-21 was clear.

Culvert RRC-20 was clear.

Substation SAE west of the office trailers: silt fence has come down and is need of repair.

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):

HGLO HR-1 and HGLO HR-2 have been reclaimed. The access road to the HGLO office trailers remains. The Tie-Across Haul Road (TAHR) has been transferred into the HGLO permit. The road surfacing on the TAHR remains in good condition. The inspector did not observe evidence of rill formation on the embankments of the TAHR. No problems were noted with the TAHR.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Rill formation was not in evidence on the reclaimed slopes. One yak was grazing in the reclaimed area. During the inspection one horse was turned out on the reclaimed area as well.

REVEGETATION – Rule 4.15 □ Vegetative Cover; Timing:

Vegetation on the reclaimed area is good. Numerous sage brush seedlings were observed. Numerous annual and biennial forb species were still in evidence. Perennial grass species were becoming established. Noxious weed species were infrequently noted.

SIGNS AND MARKERS – Rule 4.02:

Mine permit identification signs along the TAHR still identify the TAHR as being within the Seneca II West permit. These signs need to be updated to reflect the correct permit, or HGT LLC could revise the permit

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with regards to the method of marking the perimeter boundary.

The Mine identification sign at the northern extent of the rail road as it meets the main rail line was hidden within willows. HGT needs to assure that the mine id signs are visible.

TOPSOIL – Rule 4.06□ Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

TS-2 topsoil stockpile has been utilized during reclamation of the loadout facilities. The south and east sides of the TS-2 footprint are showing evidence of reclamation vegetation establishment. Annual and biennial species were still in evidence, though perennial grasses were present as well. A patch of Canada thistle was noted on the north extent of the footprint. This patch was approximately 10 ft. x 20 ft in size. Fall is an appropriate time to conduct weed control on this species.

\*In a phone conversation with Roy Karo on 10/23/2013, Mr. Karo informed the inspector that he had located and sprayed this patch of Canada thistle with “Milestone” herbicide on 10/22/2013.

The north east area of the TS-2 footprint remains fairly bare. This bare area is approximately 60’ in diameter. Roy Karo indicated in a phone conversation on the afternoon of 10/23/2013 that he had broadcast seeded this bare patch with the reclamation seed mix.

**DOCUMENTS RECEIVED NA**

**OTHER (SPECIFY) NA**

### **ENFORCEMENT ACTIONS/COMPLIANCE**

There are no enforcement actions currently. No enforcement actions are being issued as a result of this inspection.

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## **PHOTOGRAPHS**

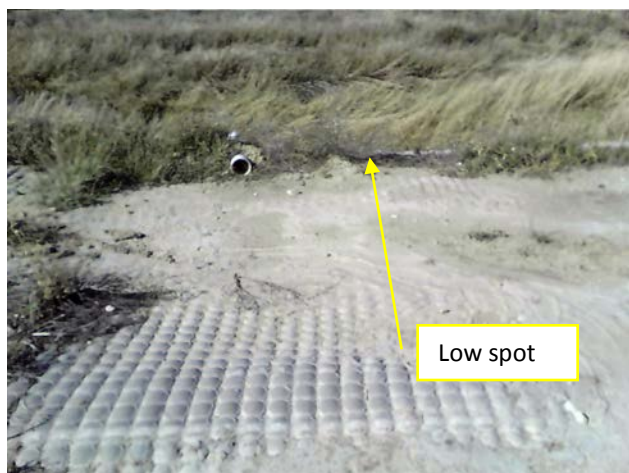


Photo 1: Rail Loop Pond spillway



Photo 2: Silt fence at substation SAE

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**Availability of Records:****PERMIT RECORDS**

DRMS Permit X Exp 12/31/15

Permit Application w/Revisions

@Sage Creek  
Office

Findings Document

MT6 6/26/13

Insurance Certificate

Exp 11/1/2013

Bond Document

SB \$6,225,552.61\*

Phased Bond Release

X SL3

Documents/Findings

Air Emission Permits

NA

County Special Use Permits

X 2014

UG Mining Landowner Notification

NA

Subsidence Monitoring Reports

NA

Subsidence Monitoring Data

NA

Rill &amp; Gully Survey

5/29/2013

Vegetation Monitoring Data

2012

Specific Variance Approvals

PAP

Annual Reclamation Reports

2012

Midterm Review Documents

MT6 6/26/13

DRMS/OSM Inspection

Thru 8/12/2013

Reports/Enforcement Actions (3 Years)

Need to file  
Sept.2013 rpts.

Transfers/Succession of Operator

1994

Temporary Cessation Notification

NA

Reclamation Cost Estimate

MT6 6/26/13

**CERTIFICATIONS**

Pond Certifications

PAP Tab 13

Annual Certifications for Impoundments

X Jan 2013

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

PAP Tab 13

Access Road Certifications

PAP Tab 13

**HYDROLOGIC RECORDS**

NPDES Permit

\*\*Exp 10/31/2011  
ren. app 4/2011,  
indef. Ext. 10/11

NPDES Records

X 2Q Q 2013

Stormwater Management Plan

Updated Jan 3<sup>rd</sup>  
2013

SPCC Plan

December 15, 2010

MSHA Pond Inspections

NA

State Engineer's Pond Inspection

Quarterly Pond Inspections

3rd 1/4 2013  
(9/9/13)

Annual Hydrology Reports

2012

• Ground Water Monitoring

Conducted  
9/10/2013

• Surface Water Monitoring

X

• Spring &amp; Seep Monitoring

X

• Mine Water Discharge Monitoring

NA

• Mine Inflow Study

NA

• Water Consumption Records

Nov 2012

Well Permits

X Aug 1990

**BLASTING RECORDS**

Blasting Publication

NA

Blasting Records (3 years)

NA (last blast Jan  
'06)

ATFE Explosives Permit

NA

Blasting Variances

PAP

Pre-Blast Surveys

PAP

**ADDITIONAL RECORDS (specify)**

COMMENTS: Pending revisions available: SL4, SL5

\*TR81 requesting Bond Reduction in response to MT6

\*\*SCC requested modification 8/22/2013

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