




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



### PERMIT INFORMATION

<b>Permit Number:</b> C-1992-080 <b>Mine Name:</b> Carbon Junction Mine <b>Operator:</b> Oakridge Energy, Inc. <b>Operator Address:</b> Mr. Michael S Savage 4610 Haystack Drive Windsor, CO 80550	<b>County:</b> La Plata <b>Operation Type:</b> Surface <b>Permit Status:</b> Inactive <b>Ownership:</b> Private
<b>Operator Representative Present:</b>  Chi Chi Price	
<b>Operator Representative Signature: (Field Issuance Only)</b>  This report was issued electronically from the Division's Durango Field Office.	

### INSPECTION INFORMATION

<b>Inspection Start Date:</b> June 17, 2013 <b>Inspection Start Time:</b> 09:30 <b>Inspection End Date:</b> June 17, 2013 <b>Inspection End Time:</b> 11:50	<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear
<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>  Marcia L. Talvitie, P.E.	<b>Inspector's Signature:</b>  <b>Signature Date:</b>  01 July 2013

**Inspection Topic Summary**

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

NA - Air Resource Protection

R - Availability of Records

Y - Backfill &amp; Grading

Y - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

Y - Roads

Y - Reclamation Success

Y - Revegetation

NA - Subsidence

Y - 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**

A complete inspection of the Carbon Junction Mine was conducted by me, Marcia Talvitie of the Division, on Monday, June 17, 2013. Chi Chi Price, of Oakridge Energy, was present throughout the field portion of the inspection. Additional participants included John Gilleland, of C & J Rock Products, and Rob Trudeau, of Goff Engineering and Surveying.

We met at the gate to the permit area at 9:30 a.m. Temperatures were warm, and skies were clear. The field inspection concluded at 11:50 a.m.

The gate to the permit area was latched, but the lock had been removed. Ms. Price said that the property had recently been used to provide support to a local race, and that an adjoining neighbor probably had the lock in his possession.

**PERMITTING UPDATE:**

RN-04 is the only currently active permitting action. The Division issued its preliminary adequacy review on April 19, 2013. Unavoidable circumstances have prohibited Oakridge from being able to prepare an adequacy response, so an extension of the June 8, 2013 decision date was requested. The date has been extended to August 8, 2013.

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

- Mine records were available for review at the offices of Goff Engineering, in Durango. A completed DRMS Availability of Records form is attached to this report.

**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:

- The primary focus of this inspection was the abatement process that will be followed to respond to the notice of violation issued in May.

- Mr. Gilleland and Mr. Trudeau were present at Oakridge's invitation. C & J has performed most of the reclamation work accomplished at the mine, and Goff has conducted engineering and surveying work at the site in the past.
- We discussed the need for post-mining topographic data for the permit area, and the data that will likely be necessary to prepare a design for reestablishment of the Upper Carbon Junction Channel.
- We walked the entire length of the Upper Carbon Junction Channel, and discussed some potential means of reclaiming and repairing the temporary diversion berm and associated erosion.
- Oakridge will likely not be able to meet the July 1, 2013 deadline for Abatement Steps #1 and #2. Once their consultant (Goff) has been able to prepare a schedule for the data collection and design, they will request an extension of the due date for these steps.

**ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were issued as a result of this inspection. One action is pending:

**Infraction Number:** CV2013005

Inspection Date: April 30, 2013

Date Issued: May 28, 2013

Primary Topic: Hydrologic Balance

Secondary Topic: None

Tertiary Topic: None

**Description:** *Failure to Minimize Damage to the Prevailing Hydrologic Balance Within the Permit Area.*

**Abatement #:** 1

Abatement Due Date: 7/1/2013

Abatement Description: Submit a complete Technical Revision to the permit that accurately represents the as-built configuration of the Carbon Junction Permanent Diversion, with supporting design details per Rule 4.05.3. This revision shall also include an updated, accurate post-mining topography map for the entire permit area and a map delineating the Carbon Junction drainage area.

**Abatement #:** 2

Abatement Due Date: 7/1/2013

Abatement Description: Submit a complete Technical Revision to the permit that presents designs and plans for reestablishment of the Upper Carbon Junction Channel, including the un-named tributary that enters the drainage from the east, and reclamation and stabilization of the Carbon Junction Temporary Diversion and gully erosion. [The Upper Carbon Junction channel segment runs from the undisturbed channel upstream of the North Pit down to the beginning of the rip-rapped Carbon Junction Permanent Diversion, a distance of approximately 1900 feet.]

**Abatement #:** 3

Abatement Due Date: 8/21/2013

Abatement Description: Repair and stabilize the gully erosion that has formed in the Carbon Junction Temporary Diversion, according to the approved plan required by Abatement Step #2.

**Abatement #:** 4

Abatement Due Date: 8/21/2013

Abatement Description: Reestablish the Upper Carbon Junction Channel, including the un-named tributary that enters the drainage from the east, according to the approved plan required by Abatement Step #2.

**AVAILABILITY OF RECORDS****PERMIT RECORDS**

DRMS Permit	Yes(Exp.07/31/2013)
Permit Application w/Revisions	Yes
Findings Document	Yes (RN-03)
Insurance Certificate	Yes(Exp.12/05/2013)
Bond Document	Yes
Phased Bond Release	Yes
Documents/Findings	n/a
Air Emission Permits	n/a
County Special Use Permits	Yes
UG Mining Landowner Notification	n/a
Subsidence Monitoring Reports	n/a
Subsidence Monitoring Data	n/a
Rill & Gully Survey	n/a
Vegetation Monitoring Data	n/a
Specific Variance Approvals	
Annual Reclamation Reports	Yes (thru 2012)
Midterm Review Documents	Yes (MT-04)
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Yes
Transfers/Succession of Operator	n/a
Temporary Cessation Notification	n/a
Reclamation Cost Estimate	Yes
<b>CERTIFICATIONS</b>	
Pond Certifications	Yes
Annual Certifications for Impoundments	Yes
Fill Certifications for Excess Spoil or Underground Development Waste	
• Quarterly Inspections	n/a
• Compaction Testing	n/a
• Final Certification	Yes
Coal Processing Waste Banks	n/a
Haul Road Certifications	Yes
Access Road Certifications	n/a

**HYDROLOGIC RECORDS**

NPDES Permit	?
NPDES Records	Yes
Stormwater Management Plan	n/a
SPCC Plan	n/a
MSHA Pond Inspections	n/a
State Engineer's Pond Inspection	n/a
Quarterly Pond Inspections	Yes
Annual Hydrology Reports	Yes
• Ground Water Monitoring	Yes
• Surface Water Monitoring	Yes
• Spring & Seep Monitoring	Yes
• Mine Water Discharge Monitoring	n/a
• Mine Inflow Study	n/a
• Water Consumption Records	n/a
Well Permits	Yes

**BLASTING RECORDS**

Blasting Publication	n/a
Blasting Records (3 years)	n/a
ATFE Explosives Permit	n/a
Blasting Variances	n/a
Pre-Blast Surveys	n/a

**ADDITIONAL RECORDS (specify)**

RN-04 Application	Yes

**COMMENTS:**


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