




**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-028 <b>Mine Name:</b> Keenesburg Strip Mine <b>Operator:</b> Coors Energy Company <b>Operator Address:</b> Mr. Ben Moline P.O. Box 4030 Golden, CO 80402	<b>County:</b> Weld <b>Operation Type:</b> Surface <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  None
<b>Operator Representative Signature:</b> (Field Issuance Only)	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> December 15, 2022 <b>Inspection Start Time:</b> 09:30 <b>Inspection End Date:</b> December 15, 2022 <b>Inspection End Time:</b> 10:40		<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>  Robert Zuber, P.E.  Hunter Ridley	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  12/15/2022

**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 &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

NA - Roads

R - Reclamation Success

R - Revegetation

NA - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

NA - Topsoil

**COMMENTS**

A complete inspection was conducted by Rob Zuber and Hunter Ridley of DRMS on December 15, 2022. No Coors Energy Company (CEC) representative was present at the inspection.

The site is in Permanent Cessation. Reclamation activities were completed in the fall of 2020. However, due to poor success in some areas, Coors Energy reclaimed these areas a second time in spring 2022.

The weather was cloudy, windy, and cold. The ground was partially covered with snow.

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

The records were generally in good order. However, the insurance certificate in the binder in the CEC office is a month expired.

Please see the list of records below.

**FISH and WILDLIFE – Rule 4.18:**

An owl and other birds were seen at Sediment Pond 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; 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:

Sediment Pond 2 and the Dugout Pond contained little to no water (thick vegetation obscures the bottoms). They were not discharging during the inspection. There were no signs that either pond had discharged recently. No problems were observed.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2

**GENERAL MINE PLAN COMPLIANCE:**

The northern boundary of the site (east side) was observed, and no signs of pollutant loading from the mine site, or any other problems, were seen.

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

No erosion problems were seen onsite, and nearly the entire site was inspected. Bare spots were seen in some areas. The steep area east of the Dugout Pond was stable.

**REVEGETATION – Rule 4.15****Vegetative Cover; Timing:**

Much of the site where reclamation has been conducted in recent years is dominated by poor species such as Russian thistle. Many sunflowers were also seen, for example in Areas 34 and 35.

The older reclamation continues to look good. In particular, the southwest corner of the site (namely Area 32) looks very good.

No listed weeds (per Colorado Weed Management Association) were seen.

**SIGNS AND MARKERS – Rule 4.02:**

The entrance sign was in place and contained all necessary information. Boundary markers were seen on all sides of the site.

**DOCUMENTS RECEIVED - none****OTHER (SPECIFY) - none****ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were initiated as a result of this inspection, nor are any pending.

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## **PHOTOGRAPHS**



**Sediment Pond 2, looking west from spillway**



**Area 42, looking east**

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**Area 37, eastern portion**



**Area 37, western portion**

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**Area 38, looking at Dugout Pond and facilities**

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

DRMS Permit	Exp. 11/3/2021 (new one pending with RN-08)
Permit Application w/Revisions	yes
Findings Document	RN-07 (Aug 2017)
<b>Insurance Certificate</b>	<b>Exp. 11/1/2022</b>
<b>Bond Document</b>	<b>\$1,197,459</b> <b>(2016, not current)</b>
Phased Bond Release Documents/Findings	SL-11 (12/1/2022)
Air Emission Permits	123008803
County Special Use Permits	Weld #1160, #386
UG Mining Landowner Notification	NA
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	NA
Vegetation Monitoring Data	2021 ARR
Specific Variance Approvals	NA
Annual Reclamation Reports	2021
Midterm Review Documents	MT-07 (May 2019)
DRMS/OSM Inspection Reports/Enforcement Actions (3 Yrs)	Through December 2022
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	*1
<b>CERTIFICATIONS</b>	
Pond Certifications	Yes
Annual Certifications for Large Impoundments	NA
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	NA
Access Road Certifications	NA

**HYDROLOGIC RECORDS**

NPDES Permit	NA
NPDES Records	NA
Stormwater Management Plan	NA
SPCC Plan	Updated 2012
MSHA Pond Inspections	NA
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	10/11/2022
Annual Hydrology Reports	2021
• Ground Water Monitoring	yes
• Surface Water Monitoring	NA
• Spring & Seep Monitoring	NA
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	NA
Well Permits	*2

**BLASTING RECORDS**

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

**ADDITIONAL RECORDS (specify)**

Pest and Weed report	10/31/2022

**COMMENTS:**

\*1 RCE is \$818,406 (SL-11)

\*2 Domestic use well and fire protection well (048289f, 24650f)

\*3 No explosives used since 1995.

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