



STATE OF
COLORADO

Zuber - DNR, Rob <rob.zuber@state.co.us>

Keenesburg inspection report

1 message

Zuber - DNR, Rob <rob.zuber@state.co.us>

Mon, Sep 11, 2023 at 12:54 PM

To: "Moline, Ben" <ben.moline@molsoncoors.com>

Ben -

Please see the attached report from my inspection on Friday morning.

Rob

Rob Zuber, P.E.
Environmental Protection Specialist
Active Mines Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

I am working remotely and can be reached by cell at 720.601.2276.

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INSP-REPORTC_C1981028_RDZ_09112023.pdf
1381K



PERMIT INFORMATION

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

INSPECTION INFORMATION

Inspection Start Date: September 8, 2023 Inspection Start Time: 09:15 Inspection End Date: September 8, 2023 Inspection End Time: 10:45		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): Robert Zuber, P.E.	Inspector's Signature: 		Signature Date: 9/11/2023

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

Y - Fish & 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

NA - 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 of DRMS on September 8, 2023. 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 clear and warm (approximately 80 degrees F). The ground was dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

The records were lacking several current documents. These include:

- The permit document
- The findings from RN-08
- The insurance document
- The bond document
- The Annual Reclamation Report for 2022
- Quarterly reports for ponds.

The operator needs to update the records in the near future. This should be done prior to October 1, 2023.

Please see the list of records below. (Note that some records have been updated recently, including DRMS reports and pest and weed reports.)

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

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.

GENERAL MINE PLAN COMPLIANCE:

The northern boundary of the site 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. Bare spots were seen in some areas. The steep area east of the Dugout Pond was stable.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

Poor vegetation growth was seen in some areas, including Areas 36, 37, and 38 (the reclaimed soil piles south of the facilities) and the reclaimed roads. In these areas, many sunflowers were seen, but grasses have not emerged well. In Area 25, tall grasses were seen (including, smooth brome and sand bluestem) in addition to the many sunflowers.

As in past inspections, the older reclamation near the southwest corner of the site contains thick grass cover.

SIGNS AND MARKERS – Rule 4.02:

The entrance sign was seen beside the locked gate near the Dugout Pond, and it is in compliance.

DOCUMENTS RECEIVED - none**OTHER (SPECIFY) - none**

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS

Entrance sign (recently installed at this location)

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Number of Complete Inspections this Fiscal Year: 1



Area below Sediment Pond 2



Reclaimed road near Sediment Pond 2

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



Area 37 – poor grass growth



Area 44 – better grass growth than many of the other newly reclaimed areas

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1



Area 31 – excellent grass growth



Area 38 – poor grass growth

Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 1

AVAILABILITY OF RECORDS**PERMIT RECORDS****DRMS Permit**

Permit Application w/Revisions

Findings Document**Insurance Certificate****Bond Document**

Phased Bond Release

Documents/Findings

Air Emission Permits

County Special Use Permits

UG Mining Landowner Notification

Subsidence Monitoring Reports

Subsidence Monitoring Data

Rill & Gully Survey

Vegetation Monitoring Data

Specific Variance Approvals

Annual Reclamation Reports

Midterm Review Documents

DRMS/OSM Inspection

Reports/Enforcement Actions (3 Yrs)

Transfers/Succession of Operator

Temporary Cessation Notification

Reclamation Cost Estimate

CERTIFICATIONS

Pond Certifications

Annual Certifications for Large

Impoundments

Fill Certifications for Excess Spoil or
Underground Development Waste

• Quarterly Inspections

• Compaction Testing

• Final Certification

Coal Processing Waste Banks

Haul Road Certifications

Access Road Certifications

Exp. 11/3/2021yesRN-07 (Aug 2017)Exp. 11/1/2022\$1,197,459
(2016, not current)SL-11(12/1/2022)123008803Weld #1160, #386NANANANA2021 ARRNA2021MT-07 (May 2019)ThroughJuly 2023NANA*1**HYDROLOGIC RECORDS**

NPDES Permit

NPDES Records

Stormwater Management Plan

SPCC Plan

MSHA Pond Inspections

State Engineer's Pond Inspection

Quarterly Pond Inspections

Annual Hydrology Reports

• Ground Water Monitoring

• Surface Water Monitoring

• Spring & Seep Monitoring

• Mine Water Discharge Monitoring

• Mine Inflow Study

• Water Consumption Records

Well Permits

NANANAUpdated 2012NANA10/11/20222021yesNANANANANA*2**BLASTING RECORDS**

Blasting Publication

Blasting Records (3 years)

ATFE Explosives Permit

Blasting Variances

Pre-Blast Surveys

NANANA *3NANA**ADDITIONAL RECORDS (specify)**Pest and Weed report6/30/2023**COMMENTS:***1 RCE is \$818,406 (SL-11)*2 Domestic use well and fire protection well (048289f, 24650f)*3 No explosives used since 1995.Number of Partial Inspection this Fiscal Year: 1Number of Complete Inspections this Fiscal Year: 1