



STATE OF
COLORADO

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

Inspection report for C-1981-028

1 message

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

Wed, Sep 14, 2022 at 4:28 PM

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

Hello, Ben.

Please see the attached report. Again, please update the records in the binders at the site in the near future.

Thanks,
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_09142022031407.pdf

961K



PERMIT INFORMATION

Permit Number: C-1981-028 Mine Name: Keenesburg Strip Mine Operator: Coors Energy Company Operator Address: Mr. Ben Moline PO 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 14, 2022 Inspection Start Time: 08:00 Inspection End Date: September 14, 2022 Inspection End Time: 09:30		Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Cloudy	
Joint Inspection Agency: None		Joint Inspection Contacts: 	
Post Inspection Agency: None		Post Inspection Contacts: 	
Inspector(s): Robert Zuber, P.E.	Inspector's Signature: <i>Robert D. Zuber</i>		Signature Date: 9/14/2022

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 & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - 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

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 of DRMS on September 14, 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 and 63 degrees F. The ground was dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

Recent reports were not found in the binder where they should be filed. These include the insurance certificate (the one in binder expired in November 2021), the current bond document (there is an old one from 2016), the SL-10 findings, the recent ARR/AHR, and quarterly reports for inspections. These records need to be updated by the end of October, sooner if possible.

Please see the list of records below.

FISH and WILDLIFE – Rule 4.18:

An owl was seen at Sediment Pond 2. A pronghorn antelope was seen in Area 37.

Number of Partial Inspection this Fiscal Year: 2

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 (east side) was observed, and no signs of pollutant loading from the mine site, or any other problems, were seen. Grasses and other desirable species on the undisturbed area west of the reclaimed B Pit appeared healthy.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

No erosion problems were seen onsite, and nearly the entire site was inspected (one exception is Area 29). A bare spot was seen at the north end of Area 35, roughly the middle of the reclaimed B Pit. 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 Areas 31, 32, and 33) 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**

Number of Partial Inspection this Fiscal Year: 2

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



North boundary, looking east toward Sediment Pond 2

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Number of Complete Inspections this Fiscal Year: 1



Area 37, looking southwest



Reclaimed B Pit, looking north (Area 35 in foreground)

Number of Partial Inspection this Fiscal Year: 2

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Area 33 (looking west) with good vegetation



Area southeast of the Dugout Pond (reclaimed topsand piles on right)

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

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)
Insurance Certificate	Exp. 11/1/2021
Bond Document	\$1,197,459 (2016, not current)
Phased Bond Release	SL-09
Documents/Findings	(SL-10 missing)
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	2020 ARR
Specific Variance Approvals	NA
Annual Reclamation Reports	2020
Midterm Review Documents	MT-07 (May 2019)
DRMS/OSM Inspection	Through
Reports/Enforcement Actions (3 Yrs)	May 2022
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	*1
CERTIFICATIONS	
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
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	Feb. 2022
Annual Hydrology Reports	2020
• 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	2Q 2022

COMMENTS:

*1 RCE from May 2020 for \$1,078,021 (SL-10)

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

*3 No explosives used since 1995.

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