



STATE OF
COLORADO

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

inspection report

1 message

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

Fri, Jan 29, 2021 at 4:42 PM

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

Ben -

Please see attached report. Let me know if you have questions, especially on the comments related to records and the entrance sign.

Talk to you later.

Rob

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



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

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INSP-REPORTC_C1981028_RDZ_01292021034507.pdf
1474K



COLORADO
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Mining and Safety
Department of Natural Resources

PERMIT INFORMATION

Permit Number: C-1981-028 Mine Name: Keenesburg Strip Mine Operator: Coors Energy Company Operator Address: Mr. Ben Moline Coors Energy Company 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: January 28, 2021 Inspection Start Time: 13:20 Inspection End Date: January 28, 2021 Inspection End Time: 15:30	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: 1/29/2021

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

Y - Revegetation

NA - Subsidence

Y - Slides and Other Damage

R - 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 the Division of Reclamation, Mining and Safety (DRMS or the Division). No Coors Energy Company (CEC) representatives participated in the inspection. The site is in Permanent Cessation. Reclamation activities (including seeding) were completed in the fall of 2020.

The weather was cloudy and warm for January. The ground was somewhat moist, with patches of snow. A new meteorology station was seen within the eastern portion of the Long Term Spoil Area.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

At the onsite office, some records appeared to be missing: recent copies of pond inspection reports, weed and pest reports, and DRMS inspection reports.

FISH and WILDLIFE – Rule 4.18:

Two owls were seen at Sediment Pond 2. A large coyote was seen on the older reclamation south of the B Pit Area. Another coyote was seen on the east side of the reclaimed Long Term Spoil Area.

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:

Both Sediment Pond 2 and the Dugout Pond were essentially empty. Neither pond was discharging during the inspection. There were no signs that they had discharged recently. As usual, they both contained large amounts of riparian vegetation. No problems were observed with the two ponds except for two holes in the embankment at Sediment Pond 2 (each approximately 10 inches deep). These should be filled.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 3

GENERAL MINE PLAN COMPLIANCE:

The northern boundary of the site (including the ditch to Sediment Pond 2) was observed, and no signs of pollutant loading from the mine site, or any other problems, were seen. The western boundary was also observed from the reclaimed B Pit; no issues were identified.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Most of the site was walked (all except southwest corner), and no erosion or other problems were seen. This includes:

- The older reclamation, including areas south of the B Pit Area, Area 25 west of the Dugout Pond, and Area 34 at the southeast part of the site
- The areas that were reclaimed in 2019 and 2020, including roads, the B Pit Area, the Long Term Spoil Area, and the footprints of old soil piles
- The relatively steep slope between the Dugout Pond and the area where topsand was stored (south of facilities).

SUPPORT FACILITIES - Rule 4.04:

No problems were seen at the facilities area.

SIGNS AND MARKERS – Rule 4.02:

The entrance sign was in place and the Coors Energy address has been updated, but the sign needs to also include contact information for DRMS (including division name, address and telephone number). Alternatively, a new sign could be placed nearby or added to the sign posts that hold the existing sign.

No problems were identified with boundary markers; they were seen in many locations.

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



Entrance sign



Dugout Pond (area of spillway) and reclaimed road in foreground

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Within empty Sediment Pond 2



North boundary of site, looking northwest

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Reclaimed B Pit looking south (north side of area)



Boundary markers on west side of site (looking north)

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Reclaimed B Pit looking south (west side on left)



Reclaimed B Pit with facilities and ponds in background

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp. Nov 2021
Permit Application w/Revisions	Yes
Findings Document	RN-07 (Aug 2017)
Insurance Certificate	Exp. 11/1/2021
Bond Document	\$1,197,459 (March 2016)
Phased Bond Release	SL-09
Documents/Findings	(August 2018)
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	2019 ARR
Specific Variance Approvals	NA
Annual Reclamation Reports	2019
Midterm Review Documents	MT-07 (May 2019)
DRMS/OSM Inspection	Through
Reports/Enforcement Actions (3 Years)	September 2020
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	MT-07 *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
State Engineer's Pond Inspection	NA
Quarterly Pond Inspections	Through 2020 Q3
Annual Hydrology Reports	2019
• 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	Recent years not found

COMMENTS:

*1 RCE in April 2019 for \$1,206,911

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

*3 No explosives used since 1995.

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