

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

inspection report

1 message

Zuber - DNR, Rob rob.zuber@state.co.us To: "Moline, Ben" ben.moline@molsoncoors.com

Fri, Jan 29, 2021 at 4:42 PM

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



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INSP-REPORTC_C1981028_RDZ_01292021034507.pdf 1474K



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 Issua	nce Only)

INSPECTION INFORMATION

Inspection Start Date: January 28 Inspection Start Time: 13:20 Inspection End Date: January 28 Inspection End Time: 15:30			Inspection Type: Coal Comple Inspection Reason: Normal I& Weather: Cloudy	•
Joint Inspection Agency:		Joint	Inspection Contacts:	
None				
Post Inspection Agency:		Post	Inspection Contacts:	
None				
Inspector(s):	Inspecto	r's Sig	nature:	Signature Date:
Robert Zuber, P.E.	Phot	D.	24	
				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 NA - Roads

R - Availability of Records **R** - Reclamation Success

NA - Backfill & Grading Y - Revegetation

NA - Excess Spoil and Dev. Waste

NA - Subsidence

NA - Explosives
 R - Fish & Wildlife
 R - Support Facilities On-site
 R - Hydrologic Balance
 R - Signs and Markers

R - Gen. Compliance With Mine Plan
 N - Other
 NA - Support Facilities Not On-site
 NA - Special Categories Of Mining

NA - Processing Waste 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.

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.

PHOTOGRAPHS



Entrance sign



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



Within empty Sediment Pond 2



North boundary of site, looking northwest

Number of <u>Partial</u> Inspection this Fiscal Year: 4 Number of <u>Complete</u> Inspections this Fiscal Year: 3



Reclaimed B Pit looking south (north side of area)



Boundary markers on west side of site (looking north)



Reclaimed B Pit looking south (west side on left)



Reclaimed B Pit with facilities and ponds in background

AVAILABILITY OF RECORDS

PERMIT RECORDS DRMS Permit Exp. Nov 2021 NPDES Permit NA Permit Application w/Revisions Yes NPDES Records NA Findings Document RN-07 (Aug 2017) Stormwater Management Plan NA Insurance Certificate Exp. 11/1/2021 SPCC Plan Updated 2012 Bond Document \$1,197,459 MSHA Pond Inspections NA Phased Bond Release SL-09 NA Documents/Findings (August 2018) State Engineer's Pond Inspections Through 2020 Q3 Air Emission Permits 123008803 Quarterly Pond Inspections Through 2020 Q3 County Special Use Permits Weld #1160, #386 Annual Hydrology Reports 2019 UG Mining Landowner Notification NA • Ground Water Monitoring yes Subsidence Monitoring Reports NA • Surface Water Monitoring NA Subsidence Monitoring Data NA • Spring & Seep Monitoring NA Vegetation Monitoring Data NA • Mine Water Discharge Monitoring NA NA • Water Consumption Records
Permit Application w/Revisions Yes NPDES Records NA Findings Document RN-07 (Aug 2017) Stormwater Management Plan NA Insurance Certificate Exp. 11/1/2021 SPCC Plan Updated 2012 Bond Document \$1,197,459 MSHA Pond Inspections NA Phased Bond Release SL-09 NA Documents/Findings (August 2018) State Engineer's Pond Inspection Air Emission Permits 123008803 Quarterly Pond Inspections Through 2020 Q3 County Special Use Permits Weld #1160, #386 Annual Hydrology Reports 2019 UG Mining Landowner Notification NA • Ground Water Monitoring NA Subsidence Monitoring Reports NA • Surface Water Monitoring NA Subsidence Monitoring Data NA • Spring & Seep Monitoring NA Vegetation Monitoring Data 2019 ARR • Mine Uniter Discharge Monitoring NA Specific Variance Approvals NA • Water Consumption Records NA Annual Reclamation Reports 2019 *2 Midterm Review Documents
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CERTIFICATIONS Blasting Variances NA Pond Certifications Yes Pre-Blast Surveys NA
Annual Certifications for Large NA
Impoundments
Fill Certifications for Excess Spoil or NA ADDITIONAL RECORDS (specify)
Underground Development Waste
• Quarterly Inspections NA Pest and Weed report Recent years not
• Compaction Testing NA
 Compaction Testing Final Certification NA
Coal Processing Waste Banks Haul Road Certifications NA NA
Access Road Certifications NA
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.