



STATE OF
COLORADO

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>

Tue, Nov 24, 2020 at 8:28 AM

Please see attached file.

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



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

P 303.866.3567, extension 8113 | Cell 720.601.2276
1313 Sherman Street, Room 215, Denver, CO 80203
rob.zuber@state.co.us | <http://mining.state.co.us>




INSP-REPORTC_C1981028_RDZ_11242020075607.pdf
532K



PERMIT INFORMATION

Permit Number: C-1981-028 Mine Name: Keenesburg Strip Mine Operator: Coors Energy Company Operator Address: Mr. Ben Moline 1801 California Street Suite 4600 Denver, CO 80202	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: November 23, 2020 Inspection Start Time: 13:00 Inspection End Date: November 23, 2020 Inspection End Time: 14:30		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: 11/24/2020

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

R - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

Y - Special Categories Of Mining

NA - Topsoil

COMMENTS

A complete inspection was conducted by Rob Zuber of DRMS. 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 clear and warm for November. The ground was dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

The records were generally in good shape (see list at the end of this report), but some items were missing, most notably the current insurance document. Also, the recent weed and pest reports were not located.

FISH and WILDLIFE – Rule 4.18:

As usual, many birds were seen and heard at the ponds.

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 appeared to be empty (cattails may have concealed a small amount). A small amount of water was seen in the Dugout Pond. 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: 3

Number of Complete Inspections this Fiscal Year: 2

GENERAL MINE PLAN COMPLIANCE:

The eastern portion of 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 southern end of the reclaimed B Pit; no issues were identified.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Most of the site was walked (all except northwest corner and southwest corner), and no erosion problems were seen. This includes the relatively steep slope between the Dugout Pond and the area where topsand was stored (south of facilities).

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

Recently seeded areas (roads, soil storage areas, the Long Term Spoil Area, and B Pit) do not have good vegetation cover. In general, the areas that were seeded prior to 2019 have good cover.

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 but needs to be updated to reflect the new status (include contact information for DRMS).

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

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

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

PHOTOGRAPHS



Looking east at Sediment Pond 2, with drainage ditch in foreground



East side of Parcel 42, looking west

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2



North end of reclaimed spoil area (looking east)



Reclaimed B Pit, looking northwest

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2



Looking south at reclaimed parcels

- Parcel 32 in foreground
- Parcel 31 in background



**Reclaimed spoil area on left and Parcel 25 on the right
(tree clump in back is at Sediment Pond 2)**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	Exp. Nov 2021
Permit Application w/Revisions	Yes
Findings Document	RN-07 (Aug 2017)
Insurance Certificate	Exp. 11/1/2020
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 (2019)
DRMS/OSM Inspection	Through
Reports/Enforcement Actions (3 Years)	August 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.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2