



STATE OF  
COLORADO

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

---

## Inspection report

1 message

---

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

Sat, Oct 30, 2021 at 8:36 AM

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

Hi, Ben

Here is a report from my inspection yesterday.

Rob

Rob Zuber, P.E.  
Environmental Protection Specialist  
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](mailto:rob.zuber@state.co.us) | <http://drms.colorado.gov>



**INSP-REPORTC\_C1981028\_RDZ\_10302021080129.pdf**  
1002K



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

**PERMIT INFORMATION**

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

**INSPECTION INFORMATION**

|  |   |
|--|---|
| <b>Inspection Start Date:</b> October 29, 2021<br><b>Inspection Start Time:</b> 12:40<br><b>Inspection End Date:</b> October 29, 2021<br><b>Inspection End Time:</b> 14:00 | <b>Inspection Type:</b> Coal Complete Inspection<br><b>Inspection Reason:</b> Normal I&E Program<br><b>Weather:</b> Clear |
| <b>Joint Inspection Agency:</b><br><br>None  | <b>Joint Inspection Contacts:</b><br><br>   |
| <b>Post Inspection Agency:</b><br><br>None   | <b>Post Inspection Contacts:</b><br><br>  |
| <b>Inspector(s):</b><br><br>Robert Zuber, P.E.   | <b>Inspector's Signature:</b><br><br><i>Robert D. Zuber</i><br><br><b>Signature Date:</b><br><br>10/30/2021               |

**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 &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; 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 October 29, 2021. 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.

The weather was warm, and the ground was dry.

**AVAILABILITY OF RECORDS – Rule 5.02.4(1):**

The records were generally in good condition, but recent pond inspection reports (2021) were not available. Please see the list of records below.

**FISH and WILDLIFE – Rule 4.18:**

An owl and a coyote were seen near the Dugout Pond.

**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). Neither pond was discharging during the inspection. There were no signs that they had discharged recently. No problems were observed with the two ponds.

**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.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 2

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

No erosion problems were seen at the site. Some large bare spots were seen on reclaimed roads and at the eastern portion of the Long Term Spoil Area.

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

Sunflowers and undesirable species (cheat grass, kochia, and Russian thistle) are the predominant species in most of the newly reclaimed areas. These include the reclaimed road adjacent to Sediment Pond 2, Area 42, reclaimed topsand piles, and the eastern part of the Long Term Spoil Area. Grasses were sparse at many newly reclaimed areas.

**SIGNS AND MARKERS – Rule 4.02:**

The entrance sign contained all necessary information.

**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: 2

Number of Complete Inspections this Fiscal Year: 2

## **PHOTOGRAPHS**



**Road next to Sediment Pond 2**



**Sediment Pond 2 embankment**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 2





**Northern side of mine**



**Dugout Pond spillway**

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 2

**AVAILABILITY OF RECORDS****PERMIT RECORDS**

|  |                             |
|--|-----------------------------|
| DRMS Permit                            | Exp. 11/3/2021              |
| Permit Application w/Revisions         | yes                         |
| Findings Document                      | RN-07 (Aug 2017)            |
| Insurance Certificate                  | Exp. 11/1/2021              |
| Bond Document                          | \$1,197,459<br>(March 2016) |
| Phased Bond Release Documents/Findings | SL-09<br>(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                                | 2020 ARR                  |
| Specific Variance Approvals                               | NA                        |
| Annual Reclamation Reports                                | 2020                      |
| Midterm Review Documents                                  | MT-07 (May 2019)          |
| DRMS/OSM Inspection Reports/Enforcement Actions (3 Years) | Through<br>September 2021 |
| Transfers/Succession of Operator                          | NA                        |
| Temporary Cessation Notification                          | NA                        |
| Reclamation Cost Estimate                                 | SL-10 *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                          |
| <b>Quarterly Pond Inspections</b> | <b>Missing 2021 reports</b> |
| 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 | Through 3Q 2021 |
|                      |                 |
|                      |                 |
|                      |                 |

**COMMENTS:**

\*1 RCE in May 2020 for \$1,078,021

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

\*3 No explosives used since 1995.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 2