




**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-028 <b>Mine Name:</b> Keenesburg Strip Mine <b>Operator:</b> Coors Energy Company <b>Operator Address:</b> Mr. Danny Kipp P.O Box 467 Golden , CO 80402	<b>County:</b> Weld <b>Operation Type:</b> Surface <b>Permit Status:</b> Active <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  Danny Kipp
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> November 27, 2018 <b>Inspection Start Time:</b> 08:30 <b>Inspection End Date:</b> November 27, 2018 <b>Inspection End Time:</b> 10:20		<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>  	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>  	
<b>Inspector(s):</b>  Robert D. Zuber, P.E.	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  11/27/2018

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

Y - Air Resource Protection

Y - Availability of Records

NA - Backfill &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

Y - Revegetation

NA - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

Y - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

R - Topsoil

**COMMENTS**

The complete inspection was conducted by Rob Zuber of DRMS and Danny Kipp of Coors Energy Company (CEC). The weather was clear and cool. The ground was dry.

**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:

Standing water was observed in Sediment Pond 2 (at least five feet below the spillway) and the Dugout Pond (the water was very low). Neither pond was discharging during the inspection. No problems were observed with the two ponds.

Danny Kipp indicated that the site has experienced very little precipitation in recent weeks.

**ROADS – Rule 4.03**

Construction 4.03.1(3)/4.03.2(3), Drainage 4.03.1(4)/4.03.2(4), Surfacing and Maintenance 4.03.1(5) and (6)/4.03.2(5) and (6), Reclamation 4.03.1(7)/4.03.2(7):

The scraping of roads has been completed, per Danny Kipp.

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

Mark Quinby was stockpiling mulch northwest of Area 26, next to Topsand Pile A-3. He was hauling this material from the adjacent soil farm throughout the inspection.

Areas 25 and 34 were observed from the B-1 Topsand Pile, and no erosion or other problems were identified.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

**TOPSOIL – Rule 4.06**

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

Danny Kipp indicated that on the morning of the inspection (prior to the inspection) he continued moving topsand from the southern portion of the A-3 pile to the former B Pit area. That has been his reclamation focus in recent weeks. Because of CEC's plan to layer different types of topsand to improve vegetation growth, Danny is not completing one area and then moving to another area, but rather he is spreading the lower sand over much of the pit and will return to spread the other topsand later (to the final required depth).

No significant erosion problems were seen at any of the topsand piles.

**ENFORCEMENT ACTIONS/COMPLIANCE**

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

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Number of Complete Inspections this Fiscal Year: 2

**PHOTOGRAPHS**



**Mulch stockpile**



**Spillway of Sediment Pond**

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**East side of Dugout Pond (photo from B-1 pile)**



**Outlet of Dugout Pond**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2



Area where topsand is being spread (photo from A-3 pile)

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. 11/1/2019
Bond Document	\$1,197,459 (March 2016)
Phased Bond Release Documents/Findings	SL-09 (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	2017 ARR
Specific Variance Approvals	NA
Annual Reclamation Reports	2017
Midterm Review Documents	MT-06 (2014)
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Through October 2018
Transfers/Succession of Operator	NA
Temporary Cessation Notification	NA
Reclamation Cost Estimate	*1
<b>CERTIFICATIONS</b>	
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	Yes
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 2018 Q4
Annual Hydrology Reports	2017
• 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 2018 Q4

**COMMENTS:**

\*1 – Net of \$1,101,320 from RN-07 (\$1,117,739, August 2017) and SL-09 (-\$16,419, August 2018).

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

\*3 – No explosives used since 1995.

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Number of Complete Inspections this Fiscal Year: 2