




PERMIT INFORMATION

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

INSPECTION INFORMATION

Inspection Start Date: June 27, 2018 Inspection Start Time: 08:40 Inspection End Date: Inspection End Time:		Inspection Type: Coal Partial 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 D. Zuber, P.E.	Inspector's Signature: 		Signature Date: 6/27/2018

Inspection Topic Summary

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

N - Air Resource Protection

N - Availability of Records

R - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish & Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

R - Revegetation

NA - Subsidence

N - Slides and Other Damage

N - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

R - Topsoil

COMMENTS

The weather was clear and hot. The ground was muddy due to recent storms, including an event of more than three inches approximately a week before the inspection. The inspection entailed observation of the site with Danny Kipp of Coors Energy Company (CEC).

BACKFILL and GRADING – Rule 4.14

Contemporaneous Reclamation 4.14.1; Approximate Original Contour 4.14.2; Highwall Elimination 4.14.1(2)(f); Steep Slopes 4.14.2, 4.27; Handling of Acid and Toxic Materials 4.14.3; Stabilization of Rills and Gullies 4.14.6:

During the inspection, no backfill or grading operations were taking place. The spoil pile continues to shrink.

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:

Large quantities of standing water were observed in Sediment Pond 2 and the Dugout Pond. Neither pond was discharging during the inspection, but Mr. Kipp indicated that Sediment Pond 2 did discharge after recent events (and debris such as twigs was observed in the spillway). Very little sediment was seen north of the permit boundary (off site) near this pond. A pump was moving water from the sediment pond to the dugout pond, and Mr. Kipp said that this has been occurring for approximately six days. No problems were observed with the two ponds.

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 roads were generally in good shape even though large flows from the recent storms left sand on the road surfaces, especially near Sediment Pond 2.

Number of Partial Inspection this Fiscal Year: 9

Number of Complete Inspections this Fiscal Year: 4

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The recent storms caused significant erosion at the northeast corner of the B Pit. CEC staff plan to repair this in near future.

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

Good vegetation was seen at reclamation parcels around the site. Some less desirable species were seen in Areas 29 and 30 (horseweed, pricklepoppy, and cheat grass). These are nuisance weeds.

Danny Kipp indicated that CEC will likely apply pre-emergent herbicide in 2018 around the site.

SIGNS AND MARKERS – Rule 4.02:

Permit markers were found to be accurately placed at two locations: west of B Pit and south of Area 29. Markers are needed around the facility area.

TOPSOIL – Rule 4.06

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

No significant erosion was seen on the piles – only small rills.

ENFORCEMENT ACTIONS/COMPLIANCE

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

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PHOTOGRAPHS



High level of water in Dugout Pond



Sediment on road near Sediment Pond 2

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Area below Sediment Pond 2 (no detrimental impacts from discharge)



Erosion from recent storms in north part of B Pit

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**West of B Pit – cheat grass treatment by CEC has been effective
(yellow grass on left side is off site)**



Horseweed in Area 30

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Close up of horseweed



Pricklepoppy in Area 29

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Looking north toward spoil area



Looking northeast toward Area 25

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