




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: Mark Quinby
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: July 18, 2018 Inspection Start Time: 08:00 Inspection End Date: July 18, 2018 Inspection End Time: 12:15		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: 7/19/18

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

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

Y - Roads

R - Reclamation Success

R - 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 weather was clear and hot. The ground was dry. The inspection entailed observation of the site with Mark Quinby of Coors Energy Company (CEC).

During the inspection, OSMRE was conducting a field exercise at the site as part of an NTTP Soils and Revegetation class.

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 is considerably smaller than in previous months.

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 and the Dugout Pond. Neither pond was discharging during the inspection. No problems were observed with the two ponds.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Regarding the erosion at the northeast corner of the B Pit, CEC staff plan to repair this in near future, as noted in past inspection reports.

Area 34 (southeastern corner of the site) was inspected to evaluate the general grade of this area. Based on visual

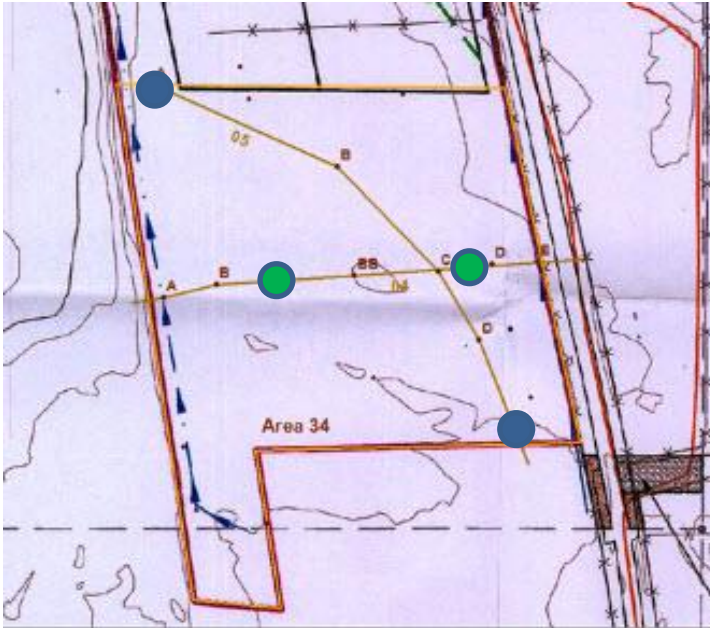
Number of Partial Inspection this Fiscal Year: 1

Number of Complete Inspections this Fiscal Year: 0

observation and walking the area, there are some undulations in the surface, but it is mostly flat. Using a TruePulse Laser Rangefinder to estimate slopes, the following was found:

- In west/east direction, the slope is less than 1 percent.
- From northwest to southeast, the slope is less than 1 percent.

The dots on the following figure show the approximate locations of end points for estimating the slopes. The green dots are the end points for the west to east slope measurement. The blue dots are the end points for the northwest to southeast slope measurement. (The lines with “A”, “B”, “C” etc. are transects from the SL-09 bond release analysis in GIS.)



REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

One of the OSMRE course instructors, Ed Vasquez (PhD Ecologist), informed DRMS that the students in the class identified the following predominant species during the vegetation exercise: cheatgrass, sand dropseed, and several wheat grasses.

TOPSOIL – Rule 4.06

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

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Number of Complete Inspections this Fiscal Year: 0

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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Number of Complete Inspections this Fiscal Year: 0

PHOTOGRAPHS



Remaining spoil pile



Area 34, looking east from point near middle of western edge

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Spillway for Sediment Pond 2



Erosion near north end of B Pit

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Number of Complete Inspections this Fiscal Year: 0