



PERMIT INFORMATION

Permit Number: C-1981-028 Mine Name: Keenesburg Strip Mine Operator: Coors Energy Company Operator Address: Mr Ben Moline P.O. Box 4030 Golden, CO 80402	County: Weld Operation Type: Surface Permit Status: Permanent Cessation Ownership: Private
	Operator Representative Present:
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: May 31, 2023 Inspection Start Time: 09:30 Inspection End Date: May 31, 2023 Inspection End Time: 11:00		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): Hunter Ridley	Inspector's Signature: <i>Hunter Ridley</i>		Signature Date: 6/5/2023

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

NA - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

NA - Roads

R - Reclamation Success

R - Revegetation

NA - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

NA - Topsoil

COMMENTS

A partial inspection was conducted by Hunter Ridley of the Colorado Division of Reclamation, Mining and Safety (Division) on May 31, 2023. No Coors Energy Company (CEC) representative was present at the inspection.

The weather was warm and clear (approximately 82 degrees F). The ground was mostly dry with some damp areas. The inspection covered the two permanent ponds (Sections 39 and 40 on attached site map) and the recently seeded area south of the facilities (Section 38 on attached site map).

The site is in Permanent Cessation. Reclamation activities were completed in the fall of 2020 with limited success. CEC reclaimed areas for a second time in the spring of 2022. A site map has been included with this report to illustrate and reference site observations.

FISH and WILDLIFE – Rule 4.18:

Several species of birds were heard and seen at the Dugout Pond and Sediment Pond 2. Small skinks were seen frequently among taller grasses. Evidence of prairie dogs was found throughout the site (Photo 6).

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:

Two permanent ponds, the Dugout Pond to the west and Sediment Pond 2 to the north, were inspected. Both were found to be holding little to no water and were heavily overgrown with thick vegetation (Photos 1 and 2). Neither pond was discharging at the time of inspection. There were no problems observed with the spillway or other pond features (Photo 3).

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 4

RECLAMATION SUCCESS – Rule 4.15, Rule 3:

No critical erosion features were seen at the site. Bare spots were observed in some areas (Photos 4, 5, 6). Prairie dog activity is likely creating most of the small erosional features within the site (Photo 6).

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

The ground is still largely bare in areas most recently seeded in 2022 (Photos 8 and 9). Several patches of native and non-noxious grasses and forbs continue to thrive in areas of older reclamation across the site (Photos 4, 10-13). Some non-noxious weeds were noted across the site but were not seen in large patches (Photo 14).

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

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

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PHOTOGRAPHS



Photo 1: View south of the Dugout Pond, filled with thick vegetation



Photo 2: View north of Sediment Pond 2, filled with thick vegetation

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Photo 3: Spillway at Sediment Pond 2



*Photo 4: Bare patch of ground located along the eastern boundary of Section 25, a patch of Western wheatgrass (*Pascopyrum smithii*) is noted here*

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Photo 5: A bare strip of soil lies along the western side of the Dugout Pond



Photo 6: Evidence of prairie dog activity, causing a small amount of erosion in bare areas

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Photo 7: Seeded area to the south of Sediment Pond 2, area is made up entirely of young cheatgrass.



Photo 8: View north of the area to the south of the facilities area which was reseeded in the spring of 2022.

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Photo 9: View east of the area adjacent to the facilities area, reseeded in 2022



Photo 10: View east of a patch of sagebrush growing adjacent to the Dugout Pond

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Photo 11: Several small patches of Western spiderwort (Tradescantia occidentalis) were seen.



Photo 12: Miniature lupine (Lupinus bicolor) was seen across all areas of older reclamation

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Photo 13: A large patch of an unspecified wild begonia species was seen in Section 25.



*Photo 14: A few plants of Yellow salsify (*Tragopogon dubius*) were seen near the Dugout Pond, Yellow salsify is considered a non-noxious weedy species*

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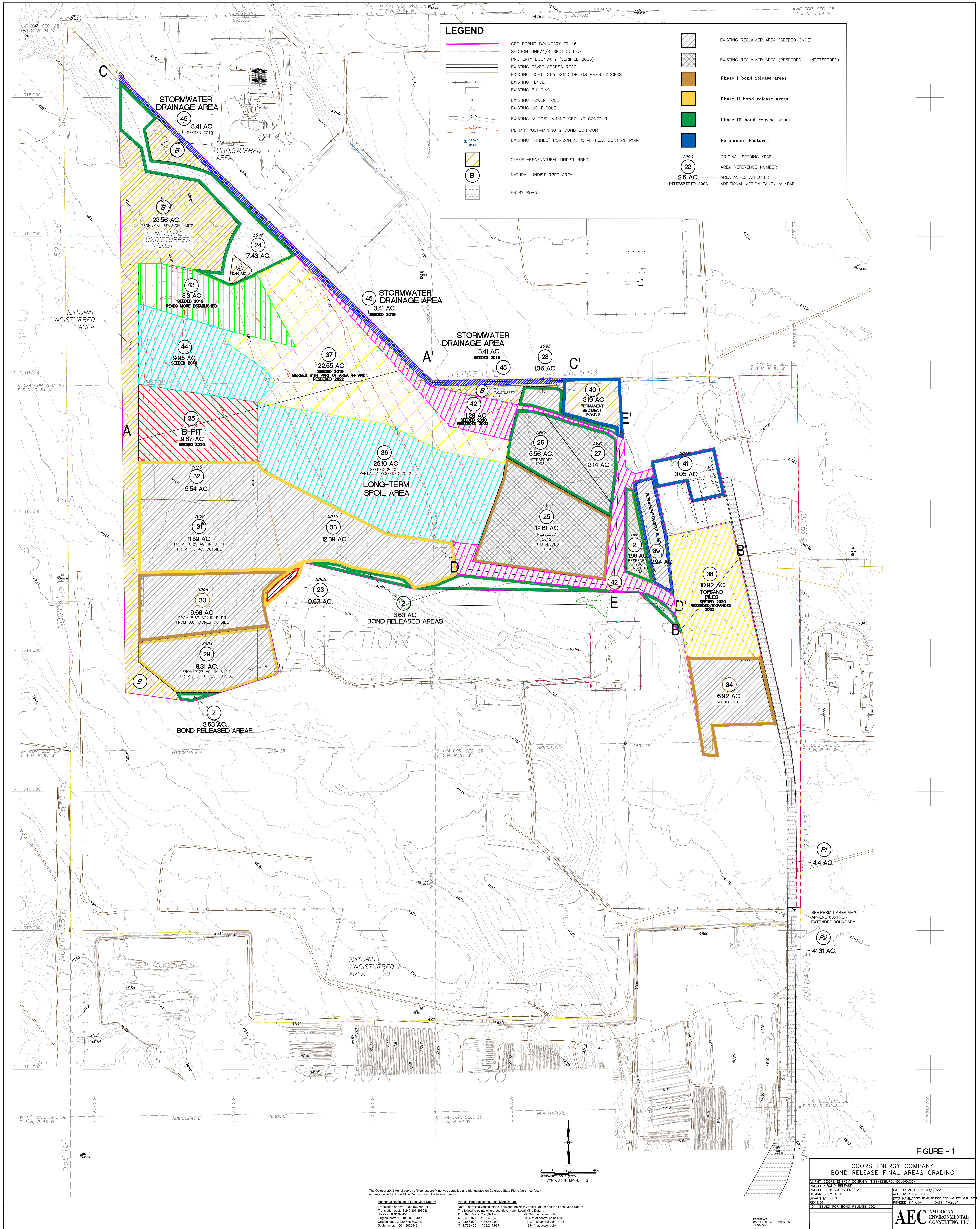


FIGURE - 1

COORS ENERGY COMPANY

BOND RELEASE FINAL AREAS GRADING

CLIENT: COORS ENERGY COMPANY (KEENESBURG, COLORADO)

PROJECT: BOND RELEASE

DESIGNED BY: AEC

REVISION: 01 ISSUED FOR BOND RELEASE 2021

DATE COMPLETED: 04/2022

APPROVED BY: CJA

DWG. NAME: COORS BOND RELEASE SITE MAP REV. APRIL 2021

REVISED BY: CJA

DATE: 4-2021

AEC

AMERICAN ENVIRONMENTAL CONSULTING, LLC.

The October 2012 Aerial survey of Keenesburg Mine was compiled and integrated on Colorado State Plane North (surface) and reprojected to Local Mine Datum turning the following report:

Horizontal Reprojection to Local Mine Datum:
Translation north: -1,262,156.5640 ft.
Translation east: -3,240,307.3950 ft.
Rotation: 0.0173445°
Original north: 1,318,616.5660 ft.
Original east: 3,250,076.3950 ft.
Scale factor: 1.0014892949

Vertical Reprojection to Local Mine Datum:
Note: There is a vertical plane between the New Vertical Datum and the Local Mine Datum.
The following points where best fit to match Local Mine Datum:
X 30,488.877 - Y 36,412.435 -0.25 ft. at power pole
X 40,688.000 - Y 38,460.000 1.273 ft. at control point 1103
X 41,733.435 - Y 28,217.937 -1.854 ft. at power pole