



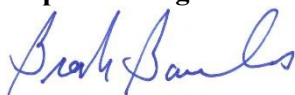
COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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PERMIT INFORMATION

Permit Number: C-1981-008 Mine Name: New Horizon Mine Operator: Elk Ridge Mining and Reclamation, LLC Operator Address: Mr. Tony Tennyson 5731 State Highway 13 Meeker, CO 81641	County: Montrose Operation Type: Surface Permit Status: Active Ownership: Private
	Operator Representative Present: Frank Ferris
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: February 21, 2018 Inspection Start Time: 09:30 Inspection End Date: February 22, 2018 Inspection End Time: 13:00		Inspection Type: Coal Complete 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): Brock F. Bowles	Inspector's Signature:  Signature Date: February 28, 2018		

Inspection Topic Summary

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

N - Air Resource Protection

R - Availability of Records

N - Backfill & Grading

N - Excess Spoil and Dev. Waste

N - Explosives

N - Fish & Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

R - Roads

N - Reclamation Success

N - Revegetation

N - Subsidence

N - Slides and Other Damage

N - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

R - Topsoil

COMMENTS

This was a complete inspection of the New Horizon Mine conducted by Brock Bowles of the Colorado Division of Reclamation Mining and Safety. Frank Ferris of ERMR was present for the entire inspection. The weather conditions were partly cloudy and the ground was dry. The temperature was approximately 40F.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

All required records were on file and available for review at the mine office. No problems were noted with the records review. Please see the availability of records checklist at the end of this report.

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:

Culverts C130, C169, C170, C176, C177, C179, C181 were all free and clear of obstructions.

Pond 7 contained water but was not discharging. The primary and emergency spillways were free and clear of obstructions.

Pond 13 contained water and was discharging. The emergency spillway was free and clear of obstructions. The embankment appeared to be stable. The trench drain was discharging (photo 1)

Ponds 9, 12, 15 and 16 did not contain water. The inlet and spillway structures were free and clear of obstructions and appear to be stable. The embankments appear to be stable.

Pond 18 did not contain water, the spillway was clear of obstructions and the impoundment appeared to be stable. Ditch C4A was dry and in good condition.

Erosion waddles were in good condition on the two adjacent support facilities located on the former northeast haul road (photo 2).

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3

GENERAL MINE PLAN COMPLIANCE:

The coal stockpile was finished being stacked. The surface of the pile was treated with a surfactant to prevent blowing dust (photo 3).

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 haul road south of the facilities area was well maintained and the side ditches were clear.

SIGNS AND MARKERS – Rule 4.02:

The permit boundary signs were in place around the facilities area, around the irrigated pasture reference area, through the Moore and Goforth properties, along 5th Street, BB Road east side, 2700 Road, along the west side of Morgan property, by ponds 9, 12, 13, 15 and 16.

Stream buffer zones signs were in place around Ponds 7, 13 and 15.

TOPSOIL – Rule 4.06

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

The topsoil piles south of the facilities area were in good condition. The ring ditches were in place with the sediment filters in place.

The topsoil pile south of the coal stockpile has been shaped to have shallow side slopes. The slopes were not measured but they appear to be less than 4h:1v and were ripped along the contour. A ring ditch was in place with sediment filters that drain into ditch C4A. Topsoil was used to construct the ring ditch berm on the south and west sides of the pile because the berm was constructed on topsoil (photo 4). The ring ditch berm on the east and north sides were constructed of subsoil because it was constructed on subsoil. The ring ditch berm on the north side of the topsoil pile was built with an extra sturdy berm to prevent runoff from the coal stockpile from entering the ring ditch (photo 5).

Topsoil stockpile signs were in place for the stockpile south of the facilities area and south of the coal stockpile.

The rock retaining wall (photo 6) and sediment filter and rock cages on the northwest corner of the Morgan property appeared to be stable.

The ring ditch around stockpile 12 was in good condition and the sediment filters were in place.

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 – Pond 13 and Trench Drain Discharge



Photo 2 – Erosion Wattles



Photo 3 – Coal Stockpile



Photo 4 – Topsoil Stockpile South of Coal Pile



Photo 5 – Berm Between Piles



Photo 6 – Rock Retaining Wall

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	X-2018
Permit Application w/Revisions	X
Findings Document	X-RN6
Insurance Certificate	X-8/2018
Bond Document	X-2014
Phased Bond Release	X-SL20
Documents/Findings	
Air Emission Permits	X-2017
County Special Use Permits	X
UG Mining Landowner Notification	NA
Subsidence Monitoring Reports	NA
Subsidence Monitoring Data	NA
Rill & Gully Survey	NA
Vegetation Monitoring Data	X
Specific Variance Approvals	X
Annual Reclamation Reports	X-2016
Midterm Review Documents	X-MT7
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	X-1/2018
Transfers/Succession of Operator	X-SO2
Temporary Cessation Notification	NA
Reclamation Cost Estimate	MT7
CERTIFICATIONS	
Pond Certifications	X
Annual Certifications for Impoundments	X-8/2017
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	X-Map2.05.3(3)-8
Access Road Certifications	NA

HYDROLOGIC RECORDS

NPDES Permit	X-2016
NPDES Records	X
Stormwater Management Plan	X
SPCC Plan	X
MSHA Pond Inspections	NA
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	X-1 ST 2018
Annual Hydrology Reports	X-2017
• Ground Water Monitoring	X
• Surface Water Monitoring	X
• Spring & Seep Monitoring	X
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	X
Well Permits	X

BLASTING RECORDS

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	X

ADDITIONAL RECORDS (specify)

COMMENTS:

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