



STATE OF
COLORADO

Reilley - DNR, Robin <robin.reilley@state.co.us>

Inspection Williams Fork July 2023

1 message

Reilley - DNR, Robin <robin.reilley@state.co.us>

Thu, Jul 27, 2023 at 6:59 PM

To: "Kawcak, Miranda" <MKawcak@peabodyenergy.com>, Robin Reilley - DNR <robin.reilley@state.co.us>

Good Evening Miranda,

Attached please find the Division's July 2023 inspection report for the Williams Fork mine. The inspection comprised a complete inspection. Please let me know of any concerns or questions that come up.

Kind Regards

Robin Reilley, M.S. GISP
Environmental Protection Specialist II



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

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INSP_Complete_WF_2023_07_July.pdf

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COLORADO


Division of Reclamation,
Mining and Safety

Department of Natural Resources

PERMIT INFORMATION

Permit Number: C-1981-044 Mine Name: Williams Fork Mines Operator: Moffat County Mining, LLC Operator Address: MS Miranda Kawcak 29515 Routt County Road #27 Oak Creek, CO 80467	County: Moffat Operation Type: Underground Permit Status: Active Ownership: Private Operator Representative Present: Miranda Kawcak
Operator Representative Signature: (Field Issuance Only) This report was issued electronically from the Divisions' Denver Office.	

INSPECTION INFORMATION

Inspection Start Date: July 26, 2023 Inspection Start Time: 13:00 Inspection End Date: July 26, 2023 Inspection End Time: 15:30		Inspection Type: Coal Complete Inspection Inspection Reason: Normal I & E Weather: Cloudy	
Joint Inspection Agency: None		Joint Inspection Contacts:	
Post Inspection Agency: None		Post Inspection Contacts:	
Inspector(s): Robin Reilley, GISP	Inspector's Signature: 		Signature Date: July 27, 2023

Inspection Topic Summary

NOTE: Y=Inspected

N=Not Inspected R=Comments Noted

V=Violation Issued

NA=Not Applicable

R - Air Resource Protection

R - Availability of Records

R - Backfill & Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish & Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

R - Revegetation

Y - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

R - Topsoil

COMMENTS

This was a complete inspection of the Williams Fork Mine; permit C1981044, operated by Moffat County Mining LLC. The inspection was conducted and the report and photos prepared by me, Robin Reilley of the DRMS. Miranda Kawcak, mine representative, was present throughout the inspection. The temperature hovered around 75 degrees F. There was a brisk breeze and conditions were partly cloudy. Wildlife, particularly deer and elk frequent the site. Records were checked.

PERMITTING ACTIONS in PROGRESS:

RN8

MAINTENANCE ITEMS*Rills and gullies at the slope below the No 5 Portal to the 5A-P1 Pond****MAINTENANCE ITEMS ADDRESSED******INSPECTION******GENERAL MINE PLAN COMPLIANCE:***

Reclamation is progressing as permitted. Facilities have been removed throughout the site and reclamation has been completed. Topsoil below the 5A Portal was placed and will be seeded this spring. Hydroseeding was occurring at the time of inspection.

SIGNS and MARKERS – Rule 4.02

- Ponds were staked and topsoil piles were marked.

ROADS – Rule 4.03

Construction 4.03.1(3) I 4.03.2(3); Drainage 4.03.1(4) I 4.03.2(4); Surfacing and Maintenance 4.03.1(5) and (6) I 4.03.2(5) and (6); Reclamation 4.03.1(7) I 4.03.2(7)

- The Haul Road at the entrance off State Highway 13 was in good repair and the site was accessible.

Number of Partial Inspection this Fiscal Year: 0Number of Complete Inspections this Fiscal Year: 1

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; Drainage- Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18

None of the ponds were holding water.

- Pond 5A-P1 at 5A at portal was dry at the time of inspection. Sloped area to the pond had been topsoiled but not seeded. The slope has rills and gullies the length of the slope to the pond, approximately 8 to 12 inches wide and varying depths between 3 to 10 inches. The operator agreed to grade these gullies and armor a constructed drainage channel to direct water to the pond.

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 instability was noted at the time of inspection and piles were marked with stakes.
- Topsoil pile along road near the SH-P2 pond had been spread at the slope to the 5A-P1 Pond.

SLIDES and OTHER DAMAGE- Rule 4.12

No recent slumping was observed.

BACKFILL and GRADING – RULE 4.14

- Backfilling and grading has been completed.
- Rills and gullies in the recently spread topsoil below the 5A Portal will be graded and repaired.

REVEGETATION - Rule 4.15

General Requirements 4.15.1; Use of Species 4.15.2, Grazing 4.15.5

- Reclamation, (topsoil and seeding) has been completed and hydroseeding at the 5A Portal was occurring at the time of inspection.

Approximately 5 acres of hydroseeding will occur on portal slopes and act as a demonstration project for the following mixes:

1. All in one straw mulch with seeds spread over $\frac{1}{3}$ acre
2. All in one bio organic with seeds and bark mixed with the best topsoil component over $\frac{1}{3}$ of an acre
3. Blue mulch comprises mulch and seed and is spread over $\frac{1}{3}$ of an acre
4. 4 acres with added humate and fertilizer.

Elemental sulfur to lower topsoil pH had been applied. Flat areas below the shop will be drill seeded.

- The weeds identified throughout the inspection included, hounds tongue, thistle, yellow clover, and kosha. Weeds were not a topic of concern as the operator has a robust weed mitigation program and there was no infestation.
- Refuse pile exhibited good mix of native grasses, bromes, orchard grass, alfalfa (bright green), and some wheat grass. Some small bare spots and weeds were present.
- Cropland areas along the Williams Fork River had been mowed and the hay baled. A considerable crop was harvested.

FISH and WILDLIFE– RULE 4.18

Wildlife is often observed throughout the Seneca IIW mine site. Wildlife observed comprised a variety of raptors. Deer and elk were also observed to have been present at the site.

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INSPECTION, ENFORCEMENT and CIVIL PENALTIES – RULE 5
Inspections 5.02; Availability of Records

Permit documents were inspected.

DOCUMENTS RECEIVED

None

OTHER (SPECIFY)

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Photo 1: Mine Identification sign at main entrance.

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Photo 2: Bottom lands at south end of site looking north.



*Photo 3: Bottom lands at north end of site looking west.
Bright green alfalfa is notable in background.*

Number of Partial Inspection this Fiscal Year: 0

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Photo 4: Overview of Williams Fork cropland from 5A Portal looking north.



Photo 5: Overview of Williams Fork cropland from 5A Portal looking northwest.

Number of Partial Inspection this Fiscal Year: 0

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Photo 6: Hydroseeding at 5A Portal sections of different mixes of $\frac{1}{3}$ acre from right to left:

- *Seeded all in one straw mulch*
- *Seeded all in one bio organic with bark mixed with the best topsoil component.*
- *Blue mulch and seed.*

Number of Partial Inspection this Fiscal Year: 0

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Photo 7: Hydroseeding at 5A Portal south facing slope from above.



Photo 8: Hydroseeding at 5A Portal south west facing slope from above.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

July 26, 2023

AVAILABILITY OF RECORDS

PERMIT RECORDS		HYDROLOGIC RECORDS	
DRMS Permit	Yes Exp 2023. Elec RN 6 2015	NPDES Permit	Yes
Permit Application w/Revisions		NPDES Records	Elec
Findings Document	MT8	Stormwater Management Plan	Yes
Insurance Certificate	Aug 2023	SPCC Plan	Yes
Bond Document	Yes 2016	MSHA Pond Inspections	NA
Phased Bond Release Documents/Findings	SL 4 and 5 Miranda Office	State Engineer's Pond Inspection	
Air Emission Permits	yes	Quarterly Pond Inspections	2023 Q2
County Special Use Permits	yes	Annual Hydrology Reports	2022
UG Mining Landowner Notification	yes	• Ground Water Monitoring	AHR
Subsidence Monitoring Reports	yes	• Surface Water Monitoring	AHR
Subsidence Monitoring Data		• Spring & Seep Monitoring	AHR
Rill & Gully Survey	2018	• Mine Water Discharge Monitoring	AHR
Vegetation Monitoring Data	Miranda's Office	• Mine Inflow Study	
Specific Variance Approvals	NA	• Water Consumption Records	
Annual Reclamation Reports	2021	Well Permits	Yes
Midterm Review Documents	MT7 2013		
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Elec		
Transfers/Succession of Operator	2006	BLASTING RECORDS	
Temporary Cessation Notification	2016 Deactivated	Blasting Publication	NA
Reclamation Cost Estimate	SL5 /MT. Electronically	Blasting Records (3 years)	NA
		ATFE Explosives Permit	NA
CERTIFICATIONS		Blasting Variances	NA
Pond Certifications	Permit	Pre-Blast Surveys	NA
Annual Certifications for Impoundments	2023 Q3		
Fill Certifications for Excess Spoil or Underground Development Waste		ADDITIONAL RECORDS (specify)	
• Quarterly Inspections			
• Compaction Testing			
• Final Certification			
Coal Processing Waste Banks	Q1 2022 (reclaimed 2020)		
Haul Road Certifications	permit		
Access Road Certifications	permit		
COMMENTS: Items highlighted in yellow require addressing			
refuse pile report is included with pond reports			
Elec refers to files available electronically in Miranda Kawcack's office			

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Number of Complete Inspections this Fiscal Year: 1