

31 October 2022




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

PERMIT INFORMATION

<b>Permit Number:</b> C1981044 <b>Mine Name:</b> Williams Fork Mines <b>Operator:</b> Moffat County Mining, LLC <b>Operator Address:</b>  Ms. Miranda Kawcak 29515 Routt County Road #27 Oak Creek, CO 80467	<b>County:</b> Moffat <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Federal  <b>Operator Representative Present:</b> Miranda Kawcak
This report was issued electronically from the Divisions' Denver Office.	

INSPECTION INFORMATION

<b>Inspection Start Date:</b> 31 October 2022 <b>Inspection Start Time:</b> 1:15 p.m. <b>Inspection End Date:</b> 2 November 2022 <b>Inspection End Time:</b> 3:15 p.m.	<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E <b>Weather:</b> Cloudy
<b>Joint Inspection Agency:</b>	<b>Joint Inspection Contacts:</b>
<b>Post Inspection Agency:</b>	<b>Post Inspection Contacts:</b>
<b>Inspector(s):</b> Robin A. Reilley, M.S. GISP	<b>Inspector's Signature:</b>  <b>Signature Date:</b> 2 November 2022

Inspection Topic Summary	
NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable	
Y - Air Resource Protection	R - Roads
R - Availability of Records	R - Reclamation Success
R - Backfill & Grading	R - Revegetation
NA - Excess Spoil and Dev. Waste	Y - Subsidence
NA - Explosives	Y - Slides and Other Damage
Y - Fish & Wildlife	NA - Support Facilities On-site
R - Hydrologic Balance	R - Signs and Markers
R - Gen. Compliance With Mine Plan	NA - Support Facilities Not On-site
NA - Other	NA - Special Categories Of Mining
NA - Processing Waste	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. The temperature was approximately 50 degrees F. There were gusty winds. No offsite air or water quality impacts were noted at the time of inspection.

#### *PERMITTING ACTIONS in PROGRESS:*

#### *MAINTENANCE ITEMS*

- *Thistle and white top mitigation needed in north railroad field, spring summer 2023 task.*
- *Reseed refuse pile, autumn 2022.*
- *The culvert and the pump housing at the 5 Mine Well in the south bottomlands have a temporary cover. These covers should be made permanent.*

#### *MAINTENANCE ITEMS ADDRESSED*

### ***INSPECTION***

#### *GENERAL MINE PLAN COMPLIANCE:*

Reclamation is mostly completed as permitted. Facilities have been removed throughout the site. Reclamation, backfilling, grading and positive drainage at the 5A Portal are nearly completed and is anticipated to be finished by the end 2022. Topsoil from nearby topsoil piles will be hauled and placed. The 5A portal area was disturbed after August 1977 and prior to April 1978. A culvert below the portal was removed and the 5A-D1A ditch from the south to the 5A-P1 Pond has been bermed below the service building area to rout runoff to the pond.

#### *SIGNS and MARKERS – Rule 4.02*

- Topsoil piles were marked with a T post.
- Permit boundary markers were visible, adequately spaced and intact.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2

- Permit identification signs were posted at the various entrances from Highway 13 and displayed all required information:

*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 dry and in good repair at the time of inspection.
- The entire site was accessible.
- Access roads around the site appeared in good repair with no ruts or standing water.
- Ditches appeared to be functioning adequately.

*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*

- Pond banks and dam at the 5A-P1 pond located below the 5A portal appeared stable and vegetated at the time of inspection.
- Backfilling and grading activities at the portal have established a swale that will transport surface flow to the 5A-P1 Pond below.
- None of the ponds held water at the time of inspection.
- Pond banks and dams throughout the site appeared stable and vegetated at the time of inspection.

*TOPSOIL – RULE 4.06*

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

- A series of small topsoil piles are scattered throughout the site.
- Piles appeared to be marked appropriately with T posts.
- All topsoil piles are vegetated.
- As the soil placed at the 5A Portal was found deficient in organic material, topsoil from nearby piles will be utilized at the portal area to assure vegetation has an improved chance of establishing.
- What little “topsoil” available near the 5A portal was utilized to cover the spoil at the highwall and shop area. “Topsoil” tends to comprise coal fines.

*BACKFILL and GRADING – RULE 4.14*

- Backfilling and grading at the portal were not occurring at the time of inspection. Some additional topsoil application will be completed.
- Machinery was staged at the portal area at the time of inspection. The area in front of the service building had been graded. The portal opening was covered with spoil and contoured. The adjacent highwalls are backfilled and contoured.

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- The drainage to the 5A-P1 Pond below the portal was in place as a swale establishing positive drainage to the pond.
- The culvert under the 5A-D1 ditch below the service building as well as culverts around the portal area have been pulled.
- The 5A-D1 ditch below the portal area flows to the 5A-P1 Pond and will be retained until the pond can be released.

*REVEGETATION - Rule 4.15*

*General Requirements 4.15.1; Use of Species 4.15.2, Grazing 4.15.5*

- Reclamation and revegetation are progressing as permitted.
- Vegetation throughout the site appeared dormant.
- The Refuse Pile will be reseeded in as soon as possible before the end of the 2022 field season.

*ENFORCEMENT ACTIONS/COMPLIANCE*

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

*DOCUMENTS RECEIVED*

None

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**PHOTOGRAPHS**



***Photo 1:*** Mine identification sign off Highway 13 at north end of site, looking east.



***Photo 2:*** Mine identification sign off Highway 13 at north end of site, looking west.

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*Photo 3: Mine identification sign off Highway 13 at main site entrance.*

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***Photo 4:*** Looking north from service area across pad and to Pond 5A-P1.



***Photo 5:*** Bermed ditch routing water to Pond 5A-P1.

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***Photo 6:** Overview of Williams Fork bottomlands from service area looking north.*



***Photo 7:** Close up of vegetation coverage at the Williams Fork bottomlands.*

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***Photo 8:** Overview of Williams Fork bottomlands vegetation looking north.*

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**AVAILABILITY OF RECORDS**

<b>PERMIT RECORDS</b>		<b>HYDROLOGIC RECORDS</b>	
DRMS Permit	Yes Exp 2023. RN 6 2015	NPDES Permit	Yes
Permit Application w/Revisions		NPDES Records	2022 Computer
Findings Document	SL in Miranda's office. MT8, 2022	Stormwater Management Plan	Yes
Insurance Certificate	Aug 2022	SPCC Plan	Yes
Bond Document	Yes 2018	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	2022 Q3
County Special Use Permits	yes	Annual Hydrology Reports	2021
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	MT8 2022		
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Through January 2022	<b>BLASTING RECORDS</b>	NA
Transfers/Succession of Operator	2006	Blasting Publication	NA
Temporary Cessation Notification	2016 Deactivated	Blasting Records (3 years)	NA
Reclamation Cost Estimate	SL5 /MT. Electronically	ATFE Explosives Permit	NA
<b>CERTIFICATIONS</b>		Blasting Variances	NA
Pond Certifications	Permit	Pre-Blast Surveys	NA
Annual Certifications for Impoundments	2022 Q3		
Fill Certifications for Excess Spoil or Underground Development Waste		<b>ADDITIONAL RECORDS (specify)</b>	
• Quarterly Inspections			
• Compaction Testing			
• Final Certification			
Coal Processing Waste Banks	Q3 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			

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