STATE OF COLORADO

Wein - DNR, Clayton <clayton.wein@state.co.us>

McClane Canyon Mine, C-1980-004, April 2023 Complete Inspection and OSMRE Oversight Inspection Report

1 message

Wein - DNR, Clayton <clayton.wein@state.co.us> Thu, May 11, 2023 at 10:03 AM
To: "Medlin, Thomas" <tmedlin@osmre.gov>, joe <joe@ridgerunnergeo.com>, csilengo@bresnan.net, Travis Marshall - DNR <travis.marshall@state.co.us>

Good morning Joe, Chuck and Tom,

Please see the attached inspection report for the complete inspection and OSMRE Oversight Inspection of the McClane Canyon Mine. Please note the list of priority and secondary maintenance items found at the beginning of the report. If you have any questions or concerns, please feel free to contact me.

Sincerely,
Clayton Wein
Environmental Protection Specialist

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

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McClane Canyon Mine, C-1980-004, April 2023 Complete Inspection_OSMRE Oversight Inspection Report.pdf
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COLORADO
Division of Reclamation, Mining and Safety
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PERMIT INFORMATION

Permit Number: C-1980-004 **Mine Name:** McClane Canyon Mine **Operator:** ARC McClane Canyon, LLC **Operator Address:** Joe Brinton 652 Peony Dr Grand Junction, CO 81507	**County:** Garfield **Operation Type:** Underground **Permit Status:** Temporary Cessation **Ownership:** Private
	Operator Representative Present: Chuck Silengo
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: April 19, 2023 **Inspection Start Time:** 10:00 **Inspection End Date:** April 19, 2023 **Inspection End Time:** 13:15	**Inspection Type:** OSM Partial Inspection **Inspection Reason:** OSM Oversight Inspection **Weather:** Snowing
Joint Inspection Agency: OSM	**Joint Inspection Contacts:** Thomas Medlin
Post Inspection Agency: OSM	**Post Inspection Contacts:** Thomas Medlin

Inspector(s):	**Inspector's Signature:**	**Signature Date:**
Clayton Wein Todd Jesse	Clayton Wein	5/11/2023

1313 Sherman St. Room 215
Denver, CO 80203
(303) 866-3567

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
R - Excess Spoil and Dev. Waste
N - Explosives
Y - Fish & Wildlife
R - Hydrologic Balance
Y - Gen. Compliance With Mine Plan
N - Other
R - 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 report documents the observations made by the Division during a complete inspection and Office of Surface Mining, Reclamation and Enforcement (OSMRE) partial oversight inspection of the McClane Canyon Mine. The inspection was completed on April 19, 2023. The Division was conducted by Clayton Wein and Todd Jesse of the Division. Thomas Medlin represented OSMRE during the inspection. The operator, ARC McClane Canyon (AMC) had Chuck Silengo present for the inspection. The weather was cloudy with intermittent snow and a temperature of 33 degrees F. The ground conditions were mostly dry.

During the inspection Maintenance Items were identified. Priority maintenance items included in this report must be completed by **June 18, 2023**. The remaining maintenance items must be completed by **September 30, 2023**. When the tasks outlined below are completed, please provide the Division of photographic evidence of the completed items.

Priority Maintenance Items:

1. Clean up contaminated soil on the east side of the shop and dispose of in accordance with the approved Spill Prevention Control and Countermeasures Plan/SPCC (Photo 1).
2. Clean up the contaminated soils beneath the grader parked on the west side of the mine office and dispose of the contaminated material in accordance with the SPCC (Photo 2)
3. Clean up the contaminated soils located at the back/south side of the mine office and dispose of the contaminated soils in accordance with the SPCC (Photos 3 and 4)
4. Remove old barrels from behind the south side of the shop. The barrels must be removed from the site in accordance with the approved SPCC. (Photos 4 and 5).
5. Remove old barrels located behind the shop and dispose of in accordance with the approved SPCC. (Photo 6)
6. Remove old barrels and filters from within the filter shed and dispose of in accordance with the approved SPCC (Photo 7).
7. Remove old barrels from within the transformer building and dispose of in accordance with the approved SPCC (Photo 8).
8. Remove the barrels from beneath the conveyor building and dispose of in accordance with the approved SPCC (Photo 9).
9. Remove all barrels containing fluids located on the north side of the shop and dispose of

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in accordance with the approved SPCC (Photo 10).

10. Remove all barrels of liquids from the laydown area located on the bench below and to the north of the shop. Dispose of the liquids in accordance with the approved SPCC (Photo 11).
11. Please remove the barrels located across the haul road from Item # 10. Dispose of the barrels in accordance with the SPCC (Photo 12).
12. Please relocate the large red fuel tank located just east of Sump I to a location with a containment berm as outlined in the approved SPCC (Photo 13).
13. Please pick up the hoses located near the fuel tank described in Task no. 12 and store in an approved location such as the shop or dispose of in accordance with the approved SPCC (Photo 14).
14. Remove all barrels and any containers with liquids from the equipment laydown area north across the haul road from the sediment pond. Dispose of the barrels and containers with liquids in accordance with the approved SPCC (Photo 15).
15. Remove all barrels and containers with liquids from the mine office pad. Dispose of the barrels and any containers with liquids in accordance with the approved SPCC (Photo 16).
16. The clearwater diversion ditch, D-2, located behind the south side of the shop needs to be cleaned out and reestablished to ensure proper conveyance of water from undisturbed areas around the disturbed areas of the Portals Bench (Photo 17).
17. A revision needs to be submitted to the Division to repair the functionality of surface water features for clearwater drainages D-5 (Photo18) and E (Photo 19). Both Clearwater culvers are completely plugged. The revision could alter these features to surface ditches that would connect to Ditch D-2.
18. The connection between Clearwater ditches D-2 and D-3 has become filled with sediment and breached the berm onto the haul road (Photo 20). Repair this connection between the D-2 half culvert into the D-3 ditch. This section needs to be cleaned and returned to its original design to prevent Clearwater from entering the disturbed area.
19. Cleanings from sump J were located on the edge of the outlet of the sump (Photo 21). The sump was cleaned last fall and the material removed from the sump was placed temporarily in that location to dry. Winter came before the material could finish drying. The sump cleanings must be placed in the approved location. The outlet of sump J is an open ditch, D-6. This ditch also requires cleaning to restore its original design specifications.
20. A fuel tank located adjacent to Sump J needs to be returned to an appropriate location with secondary containment or removed from the site in accordance with the SPCC.
21. Sump P along the north side of the haul road to the east of the sediment pond has filled with sediment and the silt fence on the outlet has fallen down (Photo 22). Clean out Sump P and repair the silt fence.
22. Repair the inlet of ditch D-6 into the sediment pond. The inlet has partially filled with sediment an then significantly down cut before entering the sediment pond (Photo 23).
23. Clean out the outlet of culvert Q that leads into the sediment pond on the south side of the haul road. The culvert has become partly obstructed by sediment (Photo 24).

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Secondary Maintenance Items:

24. Non-coal waste was located throughout multiple areas at the portals bench. Remove all non-coal waste from these areas in accordance with the approved SPCC. Photos 25, 26, 27, 28 and 29.
25. Remove all non-coal waste located within the equipment laydown area and the mine office pad. Dispose of all non-coal waste in accordance with the approved SPCC. Photos 30, 31 and 32.
26. Replace stream buffer zone markers to the north side of the equipment lay down area.
27. Replace the subsoil pile marker on top of the subsoil stockpile.
28. Sump A has had material slough off the box canyon walls and deposited into the mouth of the sump. The most amount of material feasible needs to be cleaned out from the sump (Photo 33)
29. Several rills were identified on the haul road adjacent to the shop. The rills need to be filled (Photo 34).
30. The sediment pond is missing the marker used to measure the amount of sediment deposited in the pond. Replace the cleaning marker.
31. A piece of blue PVC pipe was identified on the embankment of the pond. The blue PVC pipe needs to be removed and disposed of.
32. The sumps located on the west end of the mine office pad need to have their silt fences repaired (Photos 35 and 36)

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

The records for the McClane Canyon Mine are located at the Mesa County Recorder's Office in Grand Junction, Colorado. The records were well maintained and up to date. Please see the Availability of Records Form attached to the end of this report for more details.

EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09
Placement; Drainage Control; Surface Stabilization:

During the inspection of the mine site, non-coal waste was observed in several locations at the portals bench and the mine office pad. The current SPCC calls for non-coal waste to be deposited in commercial dumpsters at the site and then removed from the mine site as necessary by a waste management company. Maintenance items no. 24 and no. 25 contain the specific locations where non-coal waste was observed and requires removal (Photos 25 through 32).

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 sumps are located within the portals bench, sump A and sump D. Both sumps divert upland runoff from undisturbed areas and keep the Clearwater separate from runoff from the disturbed portals bench. Sump A was holding a small amount of water in it. There was no discharge occurring. The trash rack over the outlet was clear of debris. Sump D was also holding a small amount of water at the time of the inspection. The trash rack over the spillway was unobstructed. No discharge was observed. Three culverts; D-5, E and B also divert Clearwater from undisturbed areas from the portals bench. Culverts D-5 and E are no longer functional. A revision should be submitted to the Division to outline a design to replace the plugged culverts with open ditches that will connect to the Clearwater D-2 ditch. The D-2

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clearwater ditch already diverts Clearwater from the portals bench on the southern side of the bench. The D-2 Ditch was observed to be filled with sediment and sloughage from the adjacent hillside. The D-2 ditch must be cleaned to ensure clearwater does not enter the disturbed area of the portals bench. The inlet to the B culvert was observed to be clear from blockages (Photo 34). Several rills were identified on the start of the haul road adjacent to the shop. The rills need to be patched to prevent further enlargement (Photo 35).

Three sumps along the haul road, west of the portals bench convey disturbed area runoff to the sediment pond. Sump I was dry during the inspection. The inlet and outlet of the culvert spillway was clear of debris. Sump J was holding water (Photo 21). There was no discharge through the open ditch spillway. The spillway for the sump has had last fall's cleanings partly fill in the ditch. The ditch needs to be cleaned and reestablished. The cleanings from last fall must also be removed from the side of the sump (maintenance item no. 19). Sump Q was holding a small amount of water in it with no discharge occurring. The culvert discharge outlet for the sump needs to have its outlet portion cleaned. The outlet of the culvert has been partially filled with sediment (maintenance item no. 23).

One sediment pond is located at the McClane Canyon Mine. The sediment pond was holding water below the level of the primary discharge outlet. The primary discharge outlet was clear of obstructions. The embankment of the pond was stable with vegetative cover. There were no indications of erosional features. A piece of blue PVC pipe was identified on the embankment of the pond. The blue PVC pipe needs to be removed and disposed of (maintenance item no. 31).

Sump P is located in between sump Q and the mine office pad on the north side of the haul road. Sump P had filled in with sediment and the silt fence was partly fallen over. The silt fence needs to be repaired and sump Q needs to be cleaned out.

Two sumps are located on the west end of the mine office pad. One sump is located on the south side of the haul road and the other is on the north side of the haul road. The southern sump was holding a small puddle of water in it and no discharge was occurring. The sump was stable and there were no off site impacts observed. The silt fence on the sump's outlet needs to be re-attached to the wooden stakes. The sump on the north side of the haul road was also holding a small amount of water in it. The level of water in the sump was not at the discharge outlet. The sump was stable and no off-site impacts were noted. The silt fence on the sump's outlet needs to be repaired.

PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11

Drainage Control; Surface Stabilization; Placement:

The coal waste pile is located to the east of the sediment pond. Material placed on the pile was observed to be stable. There were no erosional features identified. The berm in-between the coal waste pile and the clear water diversion was stable with no erosional concerns.

ROADS – Rule 4.03

Construction 4.03.1(3)/4.03.2(3), Drainage 4.03.1(4)/4.03.2(4), Surfacing and Maintenance4.03.1(5) and

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(6)/4.03.2(5) and (6), Reclamation 4.03.1(7)/4.03.2(7):

The haul road is the only road at the mine site. The road was stable with only minor erosional features observed. Some rills were identified at the top of the haul road on the portals bench (Photo 34). The rills need to be patched before they enlarge. Berms along the haul road were stable with vegetative cover. There were no sections of the berm that have been breach causing off-site impacts.

SIGNS AND MARKERS – Rule 4.02:

The mine identification sign is located to the left of the gate crossing east salt creek. The mine id sign was placed in an unobstructed location. Information on the sign displayed the current information about the permit and the Division.

Steam buffer zone markers were identified as missing along the stretch of Upper McClane Creek just north of the equipment laydown area. These markers need to be replaced (maintenance item no. 26).

The topsoil pile marker was identified on top of the topsoil stockpile. The sign was posted in a location that can be clearly seen.

The subsoil pile marker was identified as missing from on top of the subsoil stockpile. Please replace the marker (maintenance item no. 27).

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 pile waste stable with vegetative cover. There were no indications of erosional features. The perimeter ditch and berm were intact with no loss of topsoil resource observed. The topsoil pile marker was identified on top of the pile.

DOCUMENTS RECEIVED: None

OTHER (SPECIFY): None

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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

Photo 2

Photo 3

Photo 4

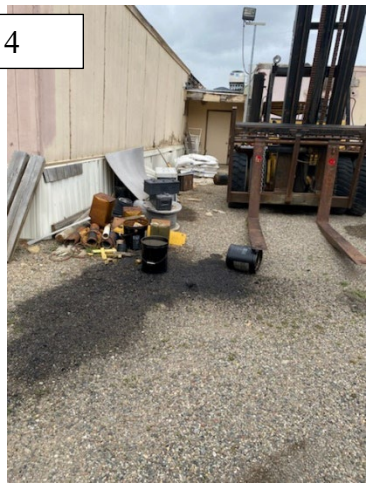

Photo 5

Photo 6

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Photo 7

Photo 8

Photo 9

Photo 10

Photo 11

Photo 12

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Photo 13

Photo 14

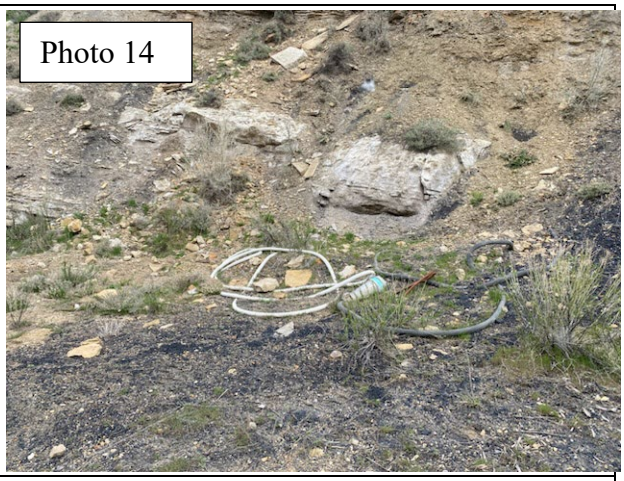

Photo 15

Photo 16

Photo 17

Photo 18

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Photo 19

Photo 20

Photo 21

Photo 22

Photo 23

Photo 24

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Photo 25

Photo 26

Photo 27

Photo 28

Photo 29

Photo 30

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Photo 31

Photo 32

Photo 33

Photo 34

Photo 35

Photo 36

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AVAILABILITY OF RECORDS

PERMIT RECORDS		HYDROLOGIC RECORDS	
DRMS Permit	RN-09	NPDES Permit	CO-0038242 COR-040098
Permit Application w/Revisions	Ok 3 ring binders	NPDES Records	Up through 1st Q 2023
Findings Document	RN-09	Stormwater Management Plan	2016
Insurance Certificate	Ok	SPCC Plan	2013
Bond Document	OK	MSHA Pond Inspections	NA
Phased Bond Release Documents/Findings	NA	State Engineer's Pond Inspection	NA
Air Emission Permits	Exp.	Quarterly Pond Inspections	1st Q 2023
County Special Use Permits	NA	Annual Hydrology Reports	2022 AHR
UG Mining Landowner Notification	NA	• Ground Water Monitoring	AHR
Subsidence Monitoring Reports	NA	• Surface Water Monitoring	AHR
Subsidence Monitoring Data	NA	• Spring & Seep Monitoring	AHR
Rill & Gully Survey	NA	• Mine Water Discharge Monitoring	AHR
Vegetation Monitoring Data	2022 ARR	• Mine Inflow Study	AHR
Specific Variance Approvals	PAP/OK	• Water Consumption Records	AHR
Annual Reclamation Reports	2022 ARR	Well Permits	OK
Midterm Review Documents	MT-08		
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Through 1st Q 2023	**BLASTING RECORDS**	
Transfers/Succession of Operator	SO-4	Blasting Publication	NA
Temporary Cessation Notification	2011	Blasting Records (3 years)	NA
Reclamation Cost Estimate	RN-09	ATFE Explosives Permit	NA
CERTIFICATIONS		Blasting Variances	PAP
Pond Certifications	OK	Pre-Blast Surveys	PAP
Annual Certifications for Impoundments	2022		
Fill Certifications for Excess Spoil or Underground Development Waste	NA	**ADDITIONAL RECORDS (specify)**	
• Quarterly Inspections	NA		
• Compaction Testing	NA		
• Final Certification	NA		
Coal Processing Waste Banks	NA		
Haul Road Certifications	NA		
Access Road Certifications	NA		

COMMENTS:

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