



U.S. DEPT. OF THE INTERIOR
OFFICE OF SURFACE MINING
Mine Site Evaluation
State Program



1. Permittee/Person TWENTYMILE COAL LLC		9. Permit Number C-82-056		10. Permit Type PP	
2. Address 701 MARKET STREET SUITE 718		11. Field Visit Date 9/19/2024 <small>mm - dd - yyyy</small>		12. Purpose OC	
3. City ST. LOUIS		14. Permit Status A		15. Site Status AP	
4. State MO		16. Facility Type B		13. SRA Present Y	
5. Zip Code 63101		17. OSM Office # 140		18. CCID # 	
6. Phone Number (314) 342-7705		19. Land Code F		20. M.S.H.A. ID # 05-03836	
7. Operator Name, if Different than Permittee TWENTYMILE COAL LLC		21. State Abbrev. CO		22. County/Burrough ROUTT	
8. Mine Name FOIDEL CREEK		23. AVS Permittee Entity ID Number 249995		24. State Office 	
25. Hours 6.0 a. Permit Review 8.0 b. Site Visit Time 8.0 c. Travel Time 6.0 d. Report Writing		26. Signature Block Signature: James Stark, ID#591 Inspector's Name: Date: 12/13/2024		27. Reviewing Official: Signature: Howard Strand Reviewer's Name: Date: 12/13/2024	
Permit Type - Item 10 IP = Interim Program PP = Permanent Program NP = No Permit					
Purpose Type Codes - Item 12 Oxx...Oversight Rfx...Reclamation Fees CCR...Citizen Complaint Referral (non-site visit) Axx...Assistance Fxx...Federal Actions CC...Citizen Complaint (initial site visit) CCF...Assistance					
Joint Inspection - Item 13 A joint inspection is when a state inspector accompanies an OSM inspector at any time during the review of the mine site					
Permit Status - Item 14 A Active: Coal mining activities occurring or permitted but not yet disturbed. IN Inactive (Permanent Program Permit): Phase II completed or Temporary Cessation of Operations. (Interim Program Permit): Coal mining completed and reclamation activities initiated. BR Bond Release: Reclamation completed and State Regulatory Authority (RA) has released all of the bond (Phase III Release). AB Abandoned: All surface and underground coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840:11(g). AB1 Bond Forfeiture: Bond forfeiture officially in process or completed and reclamation in progress or not yet commenced. AB2 Partially Reclaimed Forfeiture: Forfeited site where all bonds have been used to reclaim site, but site not reclaimed to Program standards. AB3 Reclaimed Forfeiture: Forfeited site that has been reclaimed to Program standards. NA Not Applicable: When site is unpermitted.					
Site Status - Item 15 ND No Disturbance: No coal mining and reclamation operations have been started. EX Coal Exploration: Coal exploration operations have started and where coal mining operations have not begun. AP Active Coal Producing: Coal surface mining activities are occurring. AN Active Non-Producing: Active non-producing facility such as tipple or preparation plant. NM No Mining: The Permit Status is active, site is not in Temporary Cessation, no surface coal mining activity, and site not regraded. MC Mining Complete: No mining activity on site, site regraded and awaiting bond release. TC Temporary Cessation: The RA has granted cessation of mining pursuant to 30 CFR 816/817:13(b). P1 Phase I Release: At least Phase I bond release granted for entire permitted area. For interim permits, partial bond release. P2 Phase II Release: At least Phase II bond release for the entire permitted area. P3 Phase III Release: Reclamation completed and the RA has released all bond. NS Non-Site Visit: Status of site not determined. FP Forfeiture Pending: The RA is pursuing actions to revoke the permit, collect the performance bond(s), and/or reclamation of forfeited site is in progress. FR Forfeited and Reclaimed: Forfeiture reclamation completed. FO Abandoned Site: Abandoned site that is permitted but there is no bond. WC Wildcat: Coal mining and reclamation operations have or are taking place and the activity is not covered by the required permits from the RA.					
Facility Type Codes - Item 16 A....Surface D....Ancillary (Haulroad, Conveyor, and/or Rails) H....Exploration Permits K....Government Financed Construction Exemption B....Underground E....Refuse and/or Impoundment I....Notice of Intent to Explore L....Remining site permitted under 30 CFR 785.25 C....Preparation Plant F....Loading Facility and/or Tipple J....Exempt 16 and 2/3					
Small Business Regulatory Enforcement Fairness Act (SBREFA) Your Comments are Important The Small Business and Agriculture Regulatory Enforcement Ombudsman and 10 Regional Fairness Boards were established to receive comments from small businesses about Federal agency enforcement actions. The Ombudsman will annually evaluate the enforcement activities and rate each agency's responsiveness to small business. If you are a small business (a business with 500 or fewer employees including those of affiliates) and wish to comment on the enforcement or compliance activities of OSM, call 1-888-REG-FAIR (1-888-734-3247).					

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Permit
Number C-82-056

Field Visit
Date 9/19/2024

State Program
Continuation Page

28. Performance Standard Categories

Codes:1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited, 7=Permit Defect

A. Administrative

1. 1 Mining within Valid Permit
2. 1 Mining within Bonded Area
3. 1 Terms & Conditions of Permit
4. 1 Liability Insurance
5. 1 Ownership and Control
6. 1 Temporary Cessation
7. 1 AML Rec. Fees - Non-Respondent
8. 1 AML Rec. Fees - Failure to Pay

B. Hydrologic Balance

1. 1 Drainage Control
2. 1 Inspections & Certifications
3. 1 Siltation Structures
4. 1 Discharge Structures
5. 1 Diversions
6. 1 Effluent Limits
7. 1 Ground Water Monitoring
8. 1 Surface Water Monitoring
9. 1 Drainage - Acid-Toxic Materials
10. 1 Impoundments
11. 1 Stream Buffer Zones

C. Topsoil & Subsoil

1. 1 Removal
2. 1 Substitute Materials
3. 1 Storage and Protection
4. 1 Redistribution

D. Backfilling & Grading

1. 1 Exposed Openings
2. 1 Contemporaneous Reclamation
3. 1 Approximate Original Contour
4. 1 Highwall Elimination
5. 1 Steep Slopes (includes downslope)
6. 1 Handling of Acid and Toxic Materials
7. 1 Stabilization (rills and gullies)

E. Excess Spoil Disposal

1. 1 Placement
2. 1 Drainage Control
3. 1 Surface Stabilization
4. 1 Inspections & Certifications

F. Coal Mine Waste (Refuse Piles/Impoundments)

1. 1 Drainage Control
2. 1 Surface Stabilization
3. 1 Placement
4. 1 Inspections & Certifications
5. 1 Impounding Structures

G. Use of Explosives

1. 1 Blaster Certification
2. 1 Distance Prohibitions
3. 1 Blast Survey/Schedule
4. 1 Warnings & Records
5. 1 Control of Adverse Effects

H. 1 Subsidence Control Plan

I. Roads

1. 1 Road Construction
2. 1 Certification
3. 1 Drainage
4. 1 Surfacing and Maintenance
5. 1 Reclamation

J. Signs & Markers

1. 1 Signs
2. 1 Markers

K. 1 Distance Prohibitions

L. Revegetation

1. 1 Vegetative Cover
2. 1 Timing

M. 1 Postmining Land Use

N. Other

General
Performance
Category

Performance Standard Categories 30 CFR Counterparts

A. Administrative

1. Valid Permit 773.11
2. Mining within Bonded Area 773.11
3. Terms & Conditions of Permit 773.17
4. Liability Insurance 800.60
5. Ownership and Control 778.13
6. Temporary Cessation §42.11(e) & §16/817.131
7. AML Rec. Fees - Non-Respondent §70.15(b)
8. AML Rec. Fees - Failure to Pay §70.15(a)

B. Hydrologic Balance (816/817.41-57)

1. Drainage Control 45
2. Inspections & Certifications 49(a)(10)
3. Siltation Structures 46
4. Discharge Structures 47
5. Diversions 43
6. Effluent Limits 42
7. Ground Water Monitoring 41(c)
8. Surface Water Monitoring 41(e)
9. Drainage--Acid - Toxic Materials 41(f)
10. Impoundments 49
11. Stream Buffer Zones 57

C. Topsoil & Subsoil (816/817.22)

1. Removal 22(a)
2. Substitute Materials 22(c)
3. Storage and Protection 22(c)
4. Redistribution 22(d)

D. Backfilling & Grading (816/817.95-107)

1. Exposed Openings §16/817.13, 14, 15, & §23.11 & 21
2. Contemporaneous Reclamation 100
3. Approximate Original Contour 102(a)(1)
4. Highwall Elimination 102(a)(2)
5. Steep Slopes (includes downslope) 107
6. Handling of Acid & Toxic Materials 102(c)
7. Stabilization (rills and gullies) 95(b)

E. Excess Spoil Disposal (816/817.71-74)

1. Placement 71(e)
2. Drainage Control 71(f)
3. Surface Stabilization 71(g)
4. Inspections & Certifications 71(h)

F. Coal Mine Waste (Refuse Piles/Impoundments) (816/817.81-84)

1. Drainage Control 83(a)
2. Surface Stabilization 83(b)
3. Placement 83(c)
4. Inspections and Certifications 83(d)
5. Impounding Structures 84

G. Use of Explosives (816/817.61-68)

1. Blaster Certification 61(c)
2. Distance Prohibitions 61(d)
3. Blast Survey/Schedule 62-64
4. Warnings & Records 66 & 68
5. Control of Adverse Effects 67

H. Subsidence Control Plan (817.121-122)

I. Roads (816/817.150-151)

1. Road Construction 150(c)
2. Certification 151(a)
3. Drainage 150(b)-151(d)
4. Surfacing and Maintenance 150(e)-151(d)
5. Reclamation 150(f)

J. Signs & Markers (816/817.11)

1. Signs 11(a),(b),(c)
2. Markers 11(a),(b),(d),(e),(f)

K. Distance Prohibitions (761.11)

L. Revegetation (816/817.111-116)

1. Vegetative Cover 111 & 116
2. Timing 113

M. Postmining Land Use (816/817.133)

OSM Action

- 1) Deferred to State Action
- 2) TDN Issued
- 3) NOV Issued
- 4) FTA/CO Issued
- 5) IH-CO Issued
- 6) ID-CO Issued (Imminent Danger to Public)
- 7) Previously cited by RA, abatement pending
- 8) Abated during or before OSM inspection
- 9) Follow-up of Federal Action
- 0) Off-site impact with no violation

Off-Site Impacts

- For each type of impact and resource affected, enter "N, D, or J" to describe the degree of off-site impact:
- N - Minor Occurrence
 - D - Moderate Occurrence
 - J - Major Occurrence

**Denver Field Branch
Mine Site Evaluation Narrative**

Permittee:	Twentymile Coal, LLC
Operator:	Twentymile Coal, LLC
Site:	Foidel Creek Mine
Permit No:	C-1982-056
Date of Inspection:	September 19, 2024
Inspection Type:	Complete Oversight
Weather:	Warm and sunny
Operator Representatives:	Miranda Kawcak (office portion), Michael Howard (field portion)
State Official:	Brock Bowles
OSMRE Officials:	Jim Stark #591

Background

This was a complete oversight inspection of the Foidel Creek Mine in Routt County, CO conducted by Jim Stark of the Office of Surface Mining, Reclamation and Enforcement (badge #591). Brock Bowles, representing the Colorado Division of Reclamation, Mining and Safety and Miranda Kawcak (office portion) and Michael Howard (field portion), representing Twentymile Coal, LLC, were also present on the inspection. The main focus of this inspection was to ground truth the hydrology (ditches, culverts, ponds, etc.) shown on the Surface Facilities Map, Map 24. The weather was warm and sunny and, although there were recent heavy rains at the site, the ground was basically dry.

Availability of Records – Rule 5.02.4(1)

Records are required to be on site for public inspection. The operator uses the DRMS Laserfiche site for their public record storage. If a member of the public wanted to access the records at the mine site, the operator would set them up at a PC and log them into the DRMS Laserfiche site. The required records are all available on the DRMS Laserfiche. See the DRMS Availability of Records form at the end of this inspection report for more detailed information.

Mine and Permit Identification Signs – Rule 4.02

The mine ID sign was in place at the main entrance and entrances to outlying facilities along CR27. The sign contained the information required by Rule (picture 1).

Hydrologic Balance – Rule 4.05

The culvert by the old guard shack that reports to Pond E is not shown on Map 24. The map needs to be updated to include this. The culvert was clear and in good condition (picture 2).

Pond F contained a small pool of water and was not discharging at the time of the inspection. The pond embankment was well vegetated and stable and no erosional problems were noted.

Ditch G4 flows into Pond G. The ditch was stable and well vegetated at the time of the inspection. No erosional problems were noted (picture 3).

There is a culvert by the Emerald Springs Pump House that flows into Pond F that needs to be cleaned and repaired (picture 4).

The sewage lagoons were stable and no problems were noted at the time of the inspection (picture 5).

The perimeter ditch around the welding shop flows to Pond E. The ditch was well vegetated and stable and no erosional problems were noted at the time of the inspection. The lower portion of the ditch does need to be redefined (picture 6).

There were signs of water flowing from the stoker coal loadout and storage area to the rail tracks (approximately 150 feet down the tracks). This area needs to be reconstructed and a berm needs to be installed to route the water to the west and Pond E. The material that has flowed here needs to be cleaned and removed from the tracks and surrounding area (pictures 7 and 8).

Pond E was full at the time of the inspection. The pond embankment was stable and well vegetated and there were no signs of erosion (picture 9). The south cell of the pond needs to be cleaned (picture 10).

The culvert from ditch E to Pond E needs to be cleaned and repaired (picture 11).

There is silt fence at (below) the stoker coal loadout that is down. This fence needs to be repaired or removed if no longer needed. The area is well vegetated and stable and no erosion or sediment problems were noted (picture 12).

The SAE by the belt line west of the wash plant contained water. The SAE was stable and appeared to be functioning as designed (picture 13).

The sump below the stoker loadout on the north side needs to be cleaned out. There is some erosion at the inlet that needs to be monitored (picture 14).

Pond D contained water and was discharging at the time of the inspection. The discharge was clear. The embankment was well vegetated and stable and no erosional problems were noted. All of the culverts at the pond were clear.

Pond C contained water and was not discharging at the time of the inspection. The embankment was well vegetated and stable and no erosional problems were noted.

Both the north and south cell of Pond B contained water at the time of the inspection. There was a slight discharge. The embankments were well vegetated and stable and no erosional problems were noted. There is a sump by the south cell of Pond B that flows into the cell. This sump needs to be cleaned.

The upland diversion for the refuse pile was well vegetated and stable. No erosion problems were noted at the time of the inspection.

Roads – Rule 4.03

The operator was actively watering the roads around the facilities area at the time of the inspection (picture 15).

The haul road to the refuse pile was stable and well maintained. There were no signs of erosion or rutting at the time of the inspection.

Processing Waste/Coal Mine Waste Piles – Rules 4.10 and 4.11

The refuse pile was stable and there was no water pooling or ponding on the pile. There is a large “line” of dumped refuse that will need to be spread and compacted.

The recently reclaimed pile out slopes were stable. Subsoil and topsoil has been replaced and the area is ready for seeding (picture 16).

The borrow area for the refuse pile needs to be reseeded.

Enforcement Actions

There are no outstanding enforcement actions at the Foidel Creek Mine and no enforcement actions or Ten-Day Notices were initiated as a result of the 9/19/2024 complete oversight inspection.

This concludes the 9/19/2024 complete oversight inspection report (pictures to follow).

Pictures



Picture 1 – Mine ID sign



Picture 2 – Culvert by old guard shack



Picture 3 – Ditch G4



Picture 4 – Culvert by Emerald Springs pump house



Picture 5 – Sewage lagoons



Picture 6 – Lower portion of ditch around welding shop



Picture 7 – Stoker loadout/storage area



Picture 8 – Material on tracks by stoker loadout/storage area



Picture 9 – Pond E



Picture 10 – Pond E south cell



Picture 11 – Culvert from ditch E



Picture 12 – Silt fence at stoker coal loadout



Picture 13 – SEA west of wash plant



Picture 14 – Sump below stoker coal loadout



Picture 15 – Actively watering roads



Picture 16 – Refuse pile reclamation

AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit	<u>X – 5/2028</u>
Permit Application w/Revisions	<u>X</u>
Findings Document	<u>X – RN8</u>
Insurance Certificate	<u>X – 8/2025</u>
Bond Document	<u>X</u>
Phased Bond Release Documents/Findings	<u>X – SLI</u>
Air Emission Permits	<u>X</u>
County Special Use Permits	<u>X-exp 2024</u>
UG Mining Landowner Notification	<u>X-RN8</u>
Subsidence Monitoring Reports	<u>X-2023</u>
Subsidence Monitoring Data	<u>X-2023</u>
Rill & Gully Survey	<u>n/a</u>
Vegetation Monitoring Data	<u>n/a</u>
Specific Variance Approvals	<u>n/a</u>
Annual Reclamation Reports	<u>X-2024</u>
Midterm Review Documents	<u>X – MT8</u>
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	<u>X – 8/2024</u>
Transfers/Succession of Operator	<u>N/A</u>
Temporary Cessation Notification	<u>N/A</u>
Reclamation Cost Estimate	<u>X – MT8</u>
CERTIFICATIONS	
Pond Certifications	<u>X</u>
Annual Certifications for Impoundments	<u>X – 10/2023</u>
Fill Certifications for Excess Spoil or Underground Development Waste	<u>X – 2Q 2024</u>
• Quarterly Inspections	<u>X – 2Q 2024</u>
• Compaction Testing	<u>X – 2Q 2024</u>
• Final Certification	<u>N/A</u>
Coal Processing Waste Banks	<u>X – 2Q 2024</u>
Haul Road Certifications	<u>X</u>
Access Road Certifications	<u>N/A</u>

HYDROLOGIC RECORDS

NPDES Permit	<u>X-2012 admin ext</u>
NPDES Records	<u>X – 9/2024</u>
Stormwater Management Plan	<u>X</u>
SPCC Plan	<u>X</u>
MSHA Pond Inspections	<u>X – 7/2024</u>
	<u>N/A</u>
State Engineer's Pond Inspection	
Quarterly Pond Inspections	<u>X – 8/2024</u>
Annual Hydrology Reports	<u>X – 2023</u>
• Ground Water Monitoring	<u>X-2023</u>
• Surface Water Monitoring	<u>X-2023</u>
• Spring & Seep Monitoring	<u>X-2023</u>
• Mine Water Discharge Monitoring	<u>X-2023</u>
• Mine Inflow Study	<u>X-2023</u>
• Water Consumption Records	<u>X-2023</u>
Well Permits	<u>X</u>

BLASTING RECORDS

Blasting Publication	<u>N/A</u>
Blasting Records (3 years)	<u>N/A</u>
ATFE Explosives Permit	<u>X-EXP 2026</u>
Blasting Variances	<u>N/A</u>
Pre-Blast Surveys	<u>N/A</u>

**ADDITIONAL RECORDS
(specify)**

COMMENTS:
