0007

# Document Information Form

Mine Number: C/007/022

File Name: Incoming

**To:** DOGM

**From:**

**Person** N/A

**Company** BEAVER CREEK COAL Co.

**Date Sent:** N/A

**Explanation:**

MINE SITE EVALUATION (INSPECTION) REPORT

**cc:**

**File in:**
C/007/022, 1987, Incoming
**Refer to:**
- ☐ **Confidential**
- ☐ **Shelf**
- ☐ **Expandable**

Date _____ For additional information

0007



# United States Department of the Interior
## Office of Surface Mining
## Mine Site Evaluation Inspection Report

**For Office Use Only**

1a (Y Y M M): 
1b (Batch): 
1c (Report): 

2. Name of Permittee: BEAVER CREEK COAL CO

3. Street Address: PO BOX 1378

4. City: PRICE

5. State: UT

6. Zip Code: 84501

7. Area Code: 801

8. Telephone Number: 637-5050

9. MSHA Number: 42-01444-

10. Date of Inspection (Y Y M M D D): 871003

11. State Permit Number: ACT/007/022

12. Name of Mine: CASTLE VALLEY SPUR

13. County Code: 007

14. State Code: UT

15. Strata:

16. State Area Office: 01

17. OSM Field Office No.: 02

18. OSM Area Office No.:

19. OSM Sample No.: 0201

20. Type of Inspection (Code): C

21. Joint Inspection Yes: X No:

22. Inspector's ID No.: 006

23. Status

| | | |
|---|---|---|
| A | 01 | Type of Permit |
| B | 1 | Mine Status (Code) |
| C | 31 | Type of Facility (Code) |
| D | 00160.0 | Number of Permitted Acres |
| E | 00108.0 | Number of Disturbed Acres |

24. Type of Activity (check applicable boxes).

| | | | | | |
|---|---|---|---|---|---|
| A | ☐ | Steep Slope | E | ☐ | Anthracite |
| B | ☐ | Mountain Top Removal | F | ☐ | Federal Lands |
| C | ☐ | Prime Farmlands | G | ☐ | Indian Lands |
| D | ☐ | Alluvial Valley Floors | H | ■ | Other |

non Federal

25. Performance Standards (Codes)

**Instructions:** Indicate compliance code. For any standard marked 2 or 3 provide narrative to support this determination.

Standards That Limit the Effects to the Permit Area

| | | |
|---|---|---|
| A | 1 | Distance Prohibitions |
| B | 1 | Mining Within Permit Boundaries |
| C | 2 | Signs and Markers |
| D | 2 | Sediment Control Measures |
| E | 2 | Design and Certification Requirements—Sediment Control |
| F | 1 | Effluent Limits |
| G | 2 | Surface Water Monitoring |
| H | 2 | Ground Water Monitoring |
| I | 3 | Blasting Procedures |
| J | 2 | Haul/Access Road Design and Maintenance |
| K | 3 | Refuse Impoundments |
| L | 3 | Other: Specify |

Standards That Assure Reclamation Quality and Timeliness

| | | |
|---|---|---|
| M | 2 | Topsoil Handling |
| N | 1 | Backfilling and Grading |
| O | 1 | Following Reclamation Schedule |
| P | 2 | Revegetation Requirements |
| Q | 1 | Disposal of Excess Spoil |
| R | 3 | Handling of Acid or Toxic Materials |
| S | | |
| T | | |
| U | | |
| V | | |
| W | | |

**File in:**
- ☐ Confidential
- ☐ Shelf
- ☐ Expandable

Refer to Record No 0007 Date N/A
In C/007/022, 1587 Incoming
For additional information

0007



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# Office of Surface Mining
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14. State Code: UT

15. Strata:

16. State Area Office: 01

17. OSM Field Office No.: 02

18. OSM Area Office No.:

19. OSM Sample No.: 0301

20. Type of Inspection (Code): C

21. Joint Inspection Yes: X No:

22. Inspector's ID No.: 006

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| D | ☐ | Alluvial Valley Floors | H | ■ | Other |

non Federal

25. Performance Standards (Codes)

**Instructions:** Indicate compliance code. For any standard marked 2 or 3 provide narrative to support this determination.

Standards That Limit the Effects to the Permit Area

| | | |
|---|---|---|
| A | 1 | Distance Prohibitions |
| B | 1 | Mining Within Permit Boundaries |
| C | 2 | Signs and Markers |
| D | 2 | Sediment Control Measures |
| E | 2 | Design and Certification Requirements—Sediment Control |
| F | 1 | Effluent Limits |
| G | 2 | Surface Water Monitoring |
| H | 2 | Ground Water Monitoring |
| I | 3 | Blasting Procedures |
| J | 2 | Haul/Access Road Design and Maintenance |
| K | 3 | Refuse Impoundments |
| L | 3 | Other: Specify |

Standards That Assure Reclamation Quality and Timeliness

| | | |
|---|---|---|
| M | 2 | Topsoil Handling |
| N | 1 | Backfilling and Grading |
| O | 1 | Following Reclamation Schedule |
| P | 2 | Revegetation Requirements |
| Q | 1 | Disposal of Excess Spoil |
| R | 3 | Handling of Acid or Toxic Materials |
| S | 3 | Highwall Elimination |
| T | 3 | Downslope Spoil Disposal |
| U | 1 | Post Mining Land Use |
| V | 3 | Cessation of Operations: Temporary |
| W | 2 | Other obstruction |

# ...ted States Department of the Inte...
## Office of Surface Mining
## Mine Site Evaluation Inspection Report

**26. State Permit Number** ACT/007/022

**27. Date of Inspection (Y Y M M D D)** 871008

**28.** Yes ☐ No ☒ Do mining and reclamation activities on the site comply with the plans in the permit? If no, provide narrative to support this determination.

**29. Indicate number of complete and partial inspections conducted by the State to date for this annual review period:**

29a. 01 Number of Completes  29b. 02 Number of Partials

**30. Indicate number of complete and partial inspections required by the State during this annual review period:**

30a. 01 Number of Completes  30b. 02 Number of Partials

**31. Has inspection frequency been met?**

31a. Yes ☒ No ☐ Completes  31b. Yes ☒ No ☐ Partials

**32. FEDERAL ENFORCEMENT INFORMATION.** [Enter violation number. Check appropriate box(es)]

| | Ten-Day Notice No. | Notice of Violation No. | Cessation Order No. | Violation Codes |
|---|---|---|---|---|
| | 87-02-006-012 | 87-02-006-007 | | |
| A | ☐ | ☐ | ☐ | Authorizations to Operate |
| B | ☒ | ☐ | ☐ | Signs and Markers |
| C | ☐ | ☐ | ☐ | Backfilling and Grading |
| D | ☐ | ☐ | ☐ | Highwall Elimination |
| E | ☐ | ☐ | ☐ | Rills and Gullies |
| F | ☐ | ☐ | ☐ | Improper Fills |
| G | ☒ | ☐ | ☐ | Topsoil Handling |
| H | ☐ | ☐ | ☐ | Sediment Ponds |
| I | ☐ | ☐ | ☐ | Effluent Limits |
| J | ☒ | ☐ | ☐ | Water Monitoring |
| K | ☐ | ☐ | ☐ | Buffer Zones |
| L | ☒ | ☐ | ☐ | Roads |
| M | ☐ | ☐ | ☐ | Dams |
| N | ☐ | ☐ | ☐ | Blasting |
| O | ☒ | ☐ | ☐ | Revegetation |
| P | ☐ | ☐ | ☐ | Spoil on the Downslope |
| Q | ☐ | ☐ | ☐ | Mining Without Permit |
| R | ☐ | ☐ | ☐ | Exceeding Permit Limits |
| S | ☐ | ☐ | ☐ | Distance Prohibitions |
| T | ☐ | ☐ | ☐ | Toxic Materials |
| U | ☐ | ☒ | ☐ | Other Violations |

**33. Name of Authorized Representative** *(print or type)* Joe C Funk

**Signature of Authorized Representative** Joe C Funk  Date 10/08/87

**Signature of Reviewing Official** [signature]  Date 10/14/87

120
085
150
050

MSEIR NARRATIVE

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/08/87

N87-02-006-007, 10&1, issued 10/08/87, due 10/22/87, is for violating this performance standard. By company safety policy I was officially denied (verbally, not physically) access to crawl in all culverts. This was a specific concern to me for pond 6's outlet and culvert C7. This policy needs to be reconsidered or OSM's position needs to be swayed, otherwise a CO may result which could shut down operations.

[redacted]

MSEIR NARRATIVE

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/08/87

Item 25(J) & 28

T87-02-006-012, 7 of 8, written 10/08/87, is for violating this performance standard. There are 11 culvert areas needing inlet protection, outlet protection, or decrushing:
1.) C3 has no inlet protection with 1' of eroded bank
2.) C2 has no outlet protection with 2½' of eroded bank
3.) C2's 18" inlet is only 13" open, due to crushing
4.) C1 has no outlet protection with 2' of eroded bank
5.) C6 has no outlet protection with 1' of eroded bank
6.) C9 has no outlet protection with 1' of eroded bank
7.) An unnamed culvert's (by the office) 18" inlet is only 15" open, due to crushing
8.) C11 has no outlet protection with 2' of eroded bank
9.) C12 has little outlet protection with erosion occurring
10.) C12's 18" inlet is only 13" open, due to crushing
11.) C7 has a joint break

Item 25(J) & 28

T87-02-006-012, 8 of 8, written 10/08/87, is for violating this performance standard. Using plate 3-2 and table 7-25's road culvert plans, 6 problems need to be corrected by field work or a permit revision:
1.) South of C4 is an unapproved 24" culvert
2.) C2 has one 18" laid rather than two
3.) C5 does not have its required 4'x8' riprap blanket
4.) NE of pond 6 is an unapproved 24" culvert
5.) The 2 10"er's E of C8 are not in place
6.) C13 is not in place

Item 25(W) & 28

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/08/87

T87-02-006-012, 5 of 8, written 10/08/87, is for violating this performance standard. Plate 4a provides detailed plans of the required sediment markers for ponds 1,2,3,5,6. None are in place at this time. They need to be posted or the permit needs to be revised to delete their requirement.

Item 25(D)(E) & 28

T87-02-006-012, 6 of 8, written 10/08/87, is for violating these performance standards. Plate 3-7 shows the required diversion locations and plates 7-3 and 7-5 provide the designs to be constructed and maintained. Following, are the problems:

1.) DD-1 should have 3' of heighth from the ditch bottom to the berm top. In most places its only 2' and in some places its only 1½'. It should also be a trapezoid channel with 1:1 sideslopes and 30" wide bottom. It actually is V shaped in some areas and less wide than 30" in most areas. Many areas have eroding, almost vertical, sideslopes.

2.) CD-6 has eroded, almost vertical, sideslopes up to 3' high. The 1' deep ditch should have 1:1 sideslopes.

3.) CD-5S is mostly not built at all, though possibly not needed except for the permit's requirement.

4.) CD-7 has eroded, almost vertical, sideslopes up to 3½' high. The 1' deep ditch should have 1:1 sideslopes.

5.) CD-7 is totally non-existant north of the southeast bend, though possibly not needed except for the permit's requirement.

6.) CD-5N is completely filled in.

Unless some total encompassing revision is approved, these structures need to be regraded as per the approved designs.

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/09/87

violates the reg's requirement for quarterly reporting. The permit needs to be corrected.

Item 25(G)(H) & 28

T87-02-006-012, 3 of 8, written 10/08/87, is for violating these performance standards. Until July 87's revision approval for water monitoring, table 7-15 required analyses for Boron & Fluoride. For 1st qtr 87, neither were done, for all of 86, only some Fluoride was done and no Boron. These requirements and conclusions were verified by Jim Fricke, DOGM Reclamation Hydrologist. Its an after the fact violation.

Item 25(P) & 28

T87-02-006-012, 4 of 8, written 10/08/87, is for violating this performance standard. Section 3.4.3.1 requires the pond embankments, diversions, and soil piles to be revegetated with table 3-1's temporary seed mix. Section 3.2.4 also requires the stockpiles to be vegetated. Both topsoil piles are barren except for Kochia weed (not acceptable) and a few batches of Shadscale (acceptable but insignificant cover). The pond dams are only berms but are mostly barren of the required species too. All of the diversions are barren of the required species with most lengths void of even weeds (on the gully bottoms and sides). Thus the revegetation as required by the permit does not exist and may not even be possible. Either successful efforts must be made to revegetate these areas or the permit needs to be revised.

Item 25(c) & 28

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/08/87

structures and roads are in place. Refuse area 1's completed but not topsoiled. Refuse area 2's active with only mine gob and pond cleanout waste, no refuse from plant. Only its first layer exists so the required terraces are for later. Refuse area 3's not started.

Following, are misc permit requirements status: The required annual coal seam analysis for pH, sulfer, and neutralization potential has been done and submitted for 86. The required annual refuse material analysis (parameters not specified in permit) has been done and submitted for 86. The required quarterly inspections of the refuse banks (presently only #2 area's - site 1211-UT-9-0034) have been done for all of 86 and 1st, 2nd, 3rd qtrs of 87.

Following, are the outstanding enforcement actions:

Item 25(M) & 28

T87-02-006-012, 1 of 8, written 10/08/87, is for violating this performance standard. Section 3.2.3.3 of the permit application requires the compaction, in one foot lifts, of the topsoil to be stored. This is a permit defect which needs to be corrected.

Item 25(G)(H) & 28

T87-02-006-012, 2 of 8, written 10/08/87, is for violating these performance standards. Section 7.1.6 of the permit application requires annual reporting (all CV stations are included regardless of the section's heading), the 03/16/87 revision letter (now part of the permit) requires biannual reporting, and section 7.2.6 requires quarterly reporting of the surface water. Not only is the permit contradictory to itself but it

PERMIT NUMBER ACT/007/022
INSPECTION DATE 10/08/87

for ponds 1,2,3,5,6 are done for 1st, 2nd, 3rd qtrs of 87. The thickener pond has not been done but, as per recent OSM policy memo, no enforcement action is appropriate since it is an excavated pond.

Following, is the post mining land use status:
Small mammal and songbird habitat is proposed. All surface facilities are to be removed, all areas graded except the refuse disposal sites, and all areas to be resoiled and revegetated. The prelaw disturbed areas will use disturbed land fill as seedbed material while the post law areas will be topsoiled with 6+". Revegetation is to be with a variety of grasses, forbs, and shrubs. All areas require mulching and fertilizing. The western railroad spur and all roads are to be reclaimed. A 2ac reference area exists on the southwest.

Following, is the water monitoring status:
As of 3rd qtr 87, these new requirements are applicable.
The DOGM permit requires ground water sampling at 8 wells (CV1W, CV3W, CV4W, CV5W, CV6W, CV10W, CV11W, CV12W), biannually (Spring and Fall), for SWL, pH, Spec Cond, temp, SS, TSS, TDS, T Hardness, Acidity, $CO_3$, $HCO_3$, Ca, Cl, Fe, Mg, Mn, K, Na, $SO_4$, o/g, cation/anion balance; reporting is not clear.
The DOGM permit requires surface water sampling at 2 ditches (CV0W, CV14W), biannually (spring & fall), for the same parameters as above, with reporting unclear also.
The NPDES permit UT-0023949, issued 05/01/82, requires sediment pond sampling (pond 6 is the discharge point): of any discharge from no precip event, for flow, TSS, TFe, TDS, o/g, pH; of any discharge from a ≤10yr/24hr precip event, for flow, SS, TFe, TDS, o/g, pH; of any discharge from a >10yr/24hr precip event, for pH. All frequency's monthly; all reporting's quarterly.

Following, is the field status:
The site is active with crushing, screening, storage, and loading but no washing. Both topsoil piles are in place. All surface

MSEIR NARRATIVE

PERMIT NUMBER ACT/007/022

INSPECTION DATE 10/08/87

General Summary:

The last OSM inspection was on 03/25/87. This federal oversight complete inspection was conducted 10/07 - 10/08 with Dan Guy (Operator), Harold Sandbeck (DOGM), and Bill Malencik (DOGM). Ground conditions were dry.

Following, is the permitting status:

There is no federal permit approval.
State permit ACT/007/022, approved 08/06/84, expires 08/05/89
The operation's located in T15S, R10E, S11
The permit renewal for midterm was completed & approved 04/02/87
Following, are applicable acreages:

| | |
|---|---|
| 108.41 | presently affected area |
| 117 | assummed but not specified allowable affected area |
| 159.76 | assummed but not specified permitted area |
| 160 | bonded area |
| 0 | federal coal area |

Following, is the bonding status:

$2,017,669 posted 07/03/84, for 160 acres, with the Federal Insurance Company.

Following, is the certificate of insurance status:

One is in effect til 01/01/90 with the Insurance Company of North America.

Following, is the permit conditions states:

Stipulations 817.46 and 817.48 have been addressed and approved as of 07/26/84.

Following, is the drainage control status:

The permit requires 6 ponds (1, 2, 3, 5, 6, thickener) - all are constructed, certified, and temperary structures. All diversions and culverts are also temporary structures. No stream buffer zones or stream channel diversions exist. One overland flow diversion (DD-1) is proposed and built. Several other interior and perimeter diversions are required and built. Quarterly inspections