



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 18, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jeff Emmons, Reclamation Hydrologist *J.E.*

RE: Permit Deficiencies and Amendments, Beaver Creek Coal Company, C. V. Spur Coal Processing and Loadout Facility, ACT/007/022-90A, Folder #2, Carbon County, Utah

Synopsis of Proposal

During an inspection conducted by Bill Malencik, Reclamation Specialist, several permit deficiencies were identified and a request to reactivate a coal storage area was submitted. The permit deficiencies consisted of the three small areas that need review for exemption from the requirement to drain to a sedimentation pond; An additional permit deficiency included the need to modify the east permit boundary to include all the railroad rights-of-way. These items were discussed in the May 4, 1990 memorandum from Bill Malencik to you.

Subsequent to the memorandum, another area has been identified which needs review for the exemption to drain to a sedimentation pond, and a proposal was made to create a coal storage area.

Analysis

These submittals were made under the criteria required by the Underground Coal Mining Rules. These rules have been replaced by the Coal Mining Rules effective April 12, 1990. These submittals are reviewed utilizing the new rules.

The small drainage areas, coal storage areas, and permit boundary changes can be identified on amended Plate 3-2.

Page 2
Memo to P. Grubaugh-Littig
ACT/007/022-90A
July 18, 1990

Permit Boundary

The current permit boundary runs through the center of the coal silo. The east boundary will be relocated 42.5 feet to the east to include the leased Denver and Rio Grande Western Railroad Company's right-of-way. The permit area will be increased by approximately 2.63 acres, which will enlarge the permit area by less than 2 percent.

A copy of the lease agreement between the Beaver Creek Coal Company and the Denver and Rio Grande Railroad Company has been included.

The reclamation cost for the enlarged permit area is not substantial and will not require a bonding increase.

Coal Storage Areas

Two areas have been proposed to store coal. The first area is located immediately east of Sedimentation Pond #5. The second area is located at the present thickner overflow pond.

The first area was contemporaneously reclaimed in 1988. The reclamation was not successful. The area does not contain any valuable soil medium and drains to a sedimentation pond.

The second proposed coal storage area consists of the thickner overflow pond. The facility no longer processes coal in a manner which requires use of the pond. The pond has been inactive since 1984. The pond is bermed with the material excavated to create the depression. The berm will be backfilled to eliminate the pond. The area drains to a sedimentation pond.

BTCA Drainage Area #1

The area is approximately 0.69 acres in size which is less than 1 percent of the total disturbed area. The calculated runoff for a 10-year, 24-hour event is 0.098 acre-feet. Sediment control to treat the runoff is a silt fence and vegetative filter.

BTCA Drainage Area #2

This area is approximately 0.28 acres in size which is less than 1 percent of the total disturbed area. Sediment control is by total containment. A 10-year, 24-hour event will produce 0.040 acre-feet of runoff. The area has a storage capacity of 0.088 acre-feet.

BTCA Drainage Area #3

This area is approximately 0.85 acres in size, which is less than 1 percent of the total disturbed area. Sediment control is by total containment. A 10-year, 24-hour event will produce 0.120 acre-feet of runoff. The area has a storage capacity of 0.165 acre-feet.

BTCA Drainage Area #4

This area is approximately 0.52 acres, which is less than 1 percent of the total disturbed area. Sediment control is by total containment. A 10-year, 24-hour event will produce 0.074 acre-feet of runoff. The area has a storage capacity of 0.26 acre-feet.

Recommendation

Permit Boundary

The permit boundary change should be approved as submitted.

Coal Storage Areas

Both coal storage areas should be approved as submitted with the following conditions:

1. The coal pile east of Sedimentation Pond #5 must have adequate setback from Sedimentation Pond #5, and Diversion Channels C-5 and CD-7 to assure they function as designed. The coal pile must be separated from the railroad tracks by a minimum of 12 feet.

Page 4
Memo to P. Grubaugh-Littig
ACT/007/022-90A
July 18, 1990

2. The coal pile at the thickner pond must have adequate setback from Diversion Channel CD-6 to assure it functions as designed.

BTCA Area #1

The proposal should be approved as submitted, with the condition that water samples shall be collected when possible from runoff passing through silt fences. The collected samples shall be tested for total settleable solids and total suspended solids.

BTCA Area #2, 3 and 4

These areas should be approved as submitted.

djh
AT54/8-11