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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

March 14, 1990

Mr. Richard Denning  
Consolidation Coal Company  
12755 Olive Boulevard  
St. Louis, MO 63141

Dear Mr. Denning:

Re: Denial of 4E Portal Amendment, Consolidation Coal Company, Emery  
Deep Mine, ACT/015/015/89C, Emery County, Utah

The Division has completed review of your company's submittal received February 8, 1990. The plans were reviewed by Randy Harden and Mike DeWeese of the Division's technical staff and were found to be inadequate for approval at this time. I have enclosed copies of the memos outlining the deficiencies that still need to be addressed.

A phone conversation with Mr. William Dunn of March 13, 1990, indicated that this project may be on hold due to the current contract situation. In light of the above circumstances the 4E portal Amendment is hereby denied until such time as all deficiencies are adequately addressed.

If you have any questions, please feel free to call Lynn Kunzler or myself.

Sincerely,

A handwritten signature in cursive script that reads "Daron R. Haddock".

Daron R. Haddock  
Permit Supervisor

c1

cc: L. Kunzler  
R. Harden  
M. DeWeese

BT46/1



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February 28, 1990

TO: Lynn Kunzler, Acting Permit Supervisor

FROM: Randy Harden, Sr. Reclamation Engineer ~~RE~~,<sup>RE</sup>

RE: 4 East Mine Access Portals Proposal, Emery Mine,  
Consolidation Coal Company, ACT/015/015-89C, Folder #2,  
Emery County, Utah

SUMMARY:

Consolidation Coal Company proposes to construct a new set of portals at the Emery Mine. A proposal for an amendment to the existing mining and reclamation plan was submitted to the Division on June 28, 1989. A deficiency submittal was received by the Division on February 8, 1990. The following comments are made regarding deficiencies found in that proposal:

ANALYSIS:

UMC 784.11 Operation Plan: General Requirements - JRH

In accordance with part (b) of this section, the operator is required to provide for the design, construction, modification and removal of mine development waste facilities. These facilities need to be designed and certified under the requirements of the regulations under UMC 784.23(c)(2) and require the certification of a registered professional engineer.

The maps and designs proposed in the amendment for the new portal facilities are not certified in accordance with the requirements of the regulations. These certifications must be made prior to approval by the Division.

Ditches and berms however, have been redesigned in a manner that will allow ease in construction, and maintenance of the facilities. The side slopes of the ditches and the berms has been reduced to 2h:1v.

Page 2

4 East Mine Access Portals Proposed  
Consolidation Coal Company  
ACT/015/015-89-C

In conjunction with the operator's proposal, an on-site review of the 4 East Portal location was made. In consideration that the excavation and the face-up of the portals will be in solid rock (sandstone), steep slope excavation is considered appropriate. Stability of the portal area during operations should not be considered as a major factor. These highwalls will be eliminated during reclamation.

UMC 817.15 Casing and Sealing of Exposed Underground Openings:  
Permanent - JRH

The operator has indicated that flow of water into the mine opening will be accomplished by permanent diversion of natural drainage away from the portal area. Because the portals are substantially below ground level, no gravity discharge will occur from these openings. The operator has sufficiently addressed these previous deficiencies in the plan.

RECOMMENDATIONS:

From an engineering standpoint the location and the design of the portal facilities appears adequate. Because the operator currently has excess bond due to the unconstructed coal processing facilities within the existing plan, no additional bond will be required by the Division at this time. The operator is currently in the process of resubmitting the Mining and Reclamation Plan. In that new submittal, the Division shall require detailed reclamation cost estimates for these new portal facilities as well as the rest of the mine operations. Once certification for the designs and drawings are provided by the operator, the plan could be considered complete and adequate for engineering requirements.

cc: B TEAM  
BT17/19-20



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801-538-5340

February 28, 1990

TO: File

FROM: Mike DeWeese, Reclamation Hydrologist 

RE: Amendment, New Portals, Consolidation Coal Company, Emery Deep Mine, ACT/015/015-89C, Emery County, Utah

ANALYSIS:

UMC 817.42 Hydrologic Balance: Water Quality Standards and Effluent Limitations - MMD

UMC 817.46 Hydrologic Balance: Sedimentation Ponds - MMD

The operator has revised the original catch basin designs to function as sedimentation ponds and meet applicable pond design criteria. Each pond cell will totally contain the expected runoff from the 10 year 24 hour design storm. Open channel spillways will be constructed at each pond cell adequate to safely convey the 25 year 24 hour design storm runoff. No spillway channel lining will be required due to the low velocity produced by the design storm discharge (3.1 ft./sec.). No commitment has been made to provide a certified as-built drawing of the pond structures. The operator must commit to submit these drawings upon completion of construction as required by subsection (r).

Page 3-23b identifies the portal cut as small area exemption (SAE) site 10. The portal cut and stockpile does not require SAE status because all runoff reports to the pond cells as required by subsection (a)(1). Therefore reference to this area \* must be removed from the SAE list on this page.

UMC 817.43 Hydrologic Balance: Diversions and Conveyance of Overland Flow, Shallow Ground Water Flow, and Ephemeral Streams - MMD

The operator has submitted a design to riprap the undisturbed drainage diversion where soil units are encountered. The channel transition areas between natural and diverted flows have been demonstrated to be non-erosive. The operator's response is adequate.

UMC 817.49 Hydrologic Balance: Permanent and Temporary Impoundments  
- MMD

The operator must commit to submit a pond certification report upon completion of construction as per the criteria of subsection (h) of this regulation.

No embankment revegetation will be required as identified in subsection (e) because of the paucity of natural vegetation in the area. Furthermore the embankment is to be constructed of non-erosive rock material excavated from the portal cut, thereby eliminating the need for vegetative cover.

UMC 817.163 Roads: Class II: Drainage - MMD

Plate 13-29 depicts the plan view of the proposed portal facilities. The portals are to be accessed from the county road to the east but no road is shown from the portal cut to the county road.

The operator must submit plans for an access road drainage system as per the criteria of subsections (a) through (e) of this regulation. Specifically, a culvert design for the county road crossing and plans for a swale or other road crossing diversion to convey flow from the upper pond cell must be submitted. These structures must be clearly labeled and located on an appropriate map.

RECOMMENDATIONS:

The Division recommends that the proposed 4 East Portal Amendment be denied until such time as the aforementioned deficiency items have been submitted.

BT6033/18-19  
cc: B Team