



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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March 28, 1989

TO: Sue Linner, Permit Supervisor

FROM: Rick P. Summers, Reclamation Hydrologist *RP*

RE: As-Built Drainage Plan and Sedimentation Pond Certification
(received March 3, 1989), Soldier Creek Coal Company,
Banning Siding Loadout, ACT/007/034, Folder #2, Emery
County, Utah

SUMMARY:

The above referenced submittal was reviewed against the proposed designs and construction plans in the approved MRP. The submittal contains certification statements for the sedimentation pond to comply with 817.46 (r) and 817.49 (h). The construction of the drainage plan and sedimentation pond was largely conducted as proposed. Several minor changes in the plan are specifically delineated in the As-Built Report certified by J. T. Paluso, Registered Professional Engineer #4028. All eight (8) changes noted in this report are acceptable to the Division.

REVIEW:

The submitted detail drawings of the constructed drainage system at the site were reviewed by comparison with the approved plan. A stage-volume curve of the as-built pond was developed by the Division (attached) using Exhibit 5.2-2. This curve demonstrates that the sedimentation pond volume is adequate to contain the 10 year predicted sediment volume and the expected 10 yr. - 24 hr. precipitation event. The curve demonstrates that at the primary spillway elevation (stage = 10.2 ft.) the pond is approximately 35 percent over-designed with respect to volume.

It was noted that the permit boundary and disturbed boundary on Exhibit 5.2-1 were revised slightly from the approved MRP. Essentially, the boundaries were changed in the area of the sedimentation pond and the southwest to southeast areas. The changes are not significant (less than 50 ft.). The total surface disturbed area was digitized and the area found to be 21.76 acres. This value is within 0.3 acres of the proposed value in the MRP.

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As-Built Drainage Plan
Soldier Creek Coal Company
ACT/007/034

The drawings submitted are largely labeled as "as-built" where intended. However, Exhibit 5.2-2 was not labeled. In order to distinguish the as-built drawing and the proposed drawings in the MRP, the applicant should submit copies of this drawing labeled as "as-built" configuration and appropriately certified.

RECOMMENDATION:

The submittal is approvable with the exception of Exhibit 5.2-2. It is recommended that the drawing be resubmitted with the "as-built" label and certification prior to issuance of final approval.

cc: Mike DeWeese
BT6005/96-97