

ACT/007/018

January 30, 1987

TO: Technical File

FROM: Dave Cline, Reclamation Hydrologist *DJC*

RE: Soldier Creek Coal Company, Soldier Canyon Mine, NOV N85-4-15-1, Abatement Response Plans Received on September 20, 1985, As Built Plans Received on October 31, 1986, Additional AS Built Plans Received January 22, 1987, Carbon County, Utah

SUMMARY

On May 2, 1985 Soldier Creek Coal Company (SCCC) received the above mentioned violation because embankment widths and side slopes on the sedimentation pond did not conform to the approved plan. On March 20, 1986 the Division granted conditional approval for the abatement of the violation which included partial reconstruction of the sediment pond embankment and pond inslopes. Stipulation #2 required certified designs and construction reports for the pond. As a part of the construction report Soldier Creek was required to include as-built contour drawings, a stage-capacity curve and appropriate cross sections to the Division. After review of the as-built contour drawings, stage capacity curve and cross section it was determined that SCCC must resubmit more detailed cross sections to the Division. On January 22, 1987 the Division received the requested information from SCCC. After review of the latest submittal from SCCC it has been determined that the stipulation #2 of the conditional approval has been satisfied by the operator and it is recommended that the NOV be completely terminated.

BODY

The December 23, 1986 Technical Memo attached to the December 30, 1986 deficiency letter requested that SCCC submit a cross section of the pond that contained surveyed elevations of the top of the embankment, crest of the emergency spillway, 10 and 25 year flood volumes, sediment storage volume, 60% sediment storage volume, primary outlet, decant elevation, and the riser-barrel junction.

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The cross section submitted by SCCC includes all of the above information and is therefore considered adequate to satisfy the stipulation. Additionally, the December 23, 1986 Technical Memo recommended that Division hydrologists perform another onsite inspection in order to help SCCC place the boulders in the creek in a more acceptable configuration. After discussions with Wayne Hedberg of the Division and Dave Spillman of SCCC it was agreed that the current monitoring plan to determine the effectiveness of the present boulder configuration is adequate. If the monitoring indicates that excessive erosion is occurring due to the boulder placement an alternate mitigation plan will be implemented at that time.

RECOMMENDATIONS

It is recommended that SCCC be notified that the conditional approval granted March 20, 1986 has been completely satisfied.

cc: W. Hedberg
S. Linner
J. Leatherwood
R. Summers