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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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October 1, 1987

TO: File

FROM: Tom Munson, Reclamation Hydrologist

RE: Bear Canyon Mine Co-Op Mining Company, Bear Canyon Mine, ACT/015/025, Folder #2, Emery County, Utah

Introduction

On September 4, 1987, Bill Malencik and myself visited the Hiawatha seam disturbance at the Bear Canyon Mine to determine an acceptable drainage control plan in conjunction with Co-Op's engineer Dan Guy, and construction superintendent Wendell Owen.

Discussion

The area consists of a portal disturbance, a conveyor, a coal bin, and support towers for the conveyor. There are two pads on the steep slope area associated with this disturbance.

The operator intends to shape two pad areas, one for the portal area and one half way down the slope, both with berms to turn them into small collection areas. He will then use flexible culvert and three collection points to route drainage into flexible culvert and down to the road above the coal stockpile. All drainage on each pad would drain away from the current coal bin. As the flexible culvert comes down the hill from the middle pad area it will come into the area adjacent to the crusher bin, into another inlet and down the steep hill adjacent to the conveyor, into a large splash basin on the road above the coal stockpile.

It was discussed that the design of the collection boxes would have trash racks or similar protection to prevent rocks from plugging the collection boxes. There would be three collection boxes, all which would be set at the low points of the upper, middle, and coal processing area pad. The drainage which currently travels down the access road would be prevented from doing so by reshaping the grade of the area to drain away the coal collection system.

A total of 235 feet of flexible culvert is needed to run from the lower pad up to the portal pad.

The operator committed to submitting plans by the end of September and completing the construction during October.

djh
cc: J. Whitehead
H. Sandbeck
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