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Route to Joe
for Abatement

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ACT/007/023

Soldier Creek Coal Co.

Telephone 801-637-6360

P.O. Box I
Price, Utah 84501 *

July 3, 1980

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Tom Suchoski

Dear Tom:

I have enclosed another copy of the Banning Runoff Control Plan that you misplaced. If there is anything further I can help you with, please let me know.

Sincerely,

Michael Watson

Michael Watson
Administrative Assistant

MPW:jkb

Enclosure

RECEIVED
JUL 09 1980

DIVISION OF
OIL, GAS & MINING

RUNOFF CONTROL PLAN

Introduction

The Banning Siding is a railroad loadout and stockpiling facility controlled and operated by Coal Service for Soldier Creek Coal Company. The coal is mined at the Solider Canyon Mine and trucked via Coal Service 18 miles to the Banning Siding. The coal, approximately 650,000 tons per year, is stockpiled and subsequently loaded into 100 ton railroad cars to be shipped to various locations in the western United States.

Objectives

The objectives of the Banning Siding runoff control plan are:

1. Diversion of surface runoff water from the undisturbed area away from the disturbed area.
2. Adequate containment of the surface runoff water on the disturbed area for a 10-year 24-hour event.

Implementation

Although the region is arid and seldom has excessive runoff, this plan is based on the containment of a 10-year 24-hour event. The ground is very level and natural ponding occurs in several large areas. Where natural ponding does not occur, ditches, berms, and evaporation ponds have been constructed to contain the runoff from the disturbed area (see map).

Surface runoff north of the truck loop road is diverted by a ditch inside the fence to the west side of the property. On the west side, berms have been constructed to guide the water to a 42,000 gallon evaporation pond. This pond also collects the surface runoff south of the radial pile and west of the dirt road by natural flow patterns.

Surface runoff east of the dirt road and south of the screening plant is collected in the 4,500 gallon evaporation pond at the south of the property. Berms have been constructed along the southeast fence to help direct the runoff.

Surface runoff east of the dirt road and north of the screening is collected in the small 1,000 gallon evaporation pond on the east side of the property. To aid in the water diversion to this pond, a

ditch and berm were constructed along the northeast fence line. Any excess water from this pond would be diverted to the 4,500 gallon pond.

Natural ponding combined with the location of coal piles and elevated roadways contain water on the interiors of the truck loop road and radial pile. Some ponding also occurs in the bar ditch south of the truck loop road.

Diversion of surface runoff away from the disturbed area has been accomplished through the construction of two major ditches. On the north side of the property a ditch has been constructed on the outside of the fence to divert all surface runoff from the north to one of two washes which run adjacent to the property. The ditch outside the fence on the east side of the property collects water from the ditch east of the railroad tracks. To keep from exposing this water to stray coal from the loadout points, a culvert has been installed underground to the other side of the loadout points. At this point, the water is transferred back to a ditch.

Capacity Calculations

As stated earlier, all calculations were based on containment of a 10-year 24-hour event which is approximately 2.5 inches. Assuming no infiltration for the maximum case, the following calculations demonstrate the adequacy of the system.

-Total disturbed acreage which would be diverted to ponds	8.73A (380,280 ft ²)
-Volume of water to be contained (2.5 inches - no infiltration)	79,225 ft ³ (10,591 gal.)
-Capacity of all evaporation ponds	47,500 gal.
-Oversize ratio	4.48

Construction and Maintenance

The berms, ditches, and ponds will be constructed in a workmanlike fashion such that the runoff will be contained. The berms will be made of compacted material such that water will be diverted in the intended direction and will not flow through, over, or around the bermed material. The berms, ditches, and ponds will be maintained in good condition such that breaching will not occur.