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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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March 12, 1985

Mr. Dave Spillman, Mine Engineer
Soldier Creek Coal Company
P. O. Box I
Price, Utah 84501

Dear Mr. Spillman:

Re: Notice of Violation Abatement Plan for NOV N-85-2-1-1, Water Monitoring Schedule, Hidden Valley Mine, Soldier Creek Coal Company, INA/015/007, Folder No. 4 & 7, Emery County, Utah

Soldier Creek Coal Company submitted a plan February 15, 1985 to abate Notice of Violation (NOV) N85-2-1-1 concerning failure to conduct surface and ground water monitoring in accordance with the approved mine plan. Even though the Hidden Valley Mine is an inactive operation and no mining has taken place on-site, it is the Division's opinion that water monitoring cannot be totally suspended as proposed by Soldier Creek Coal Company. The following monitoring plans and subsequent conditions as discussed per phone call of March 7, 1985 are proposed by the Division:

1. On-site disturbance has not intercepted ground water flow and no seeps with significant flow have been encountered within permit boundaries. In addition, approximately one year of base-line data have been collected from most boreholes at the mine site. The company has provided adequate ground water data to our office, to justify the temporary suspension of all ground water measurements and sample collection.

2. Since Ivie Creek runs through the mine site and contributes flow to down-stream irrigation users, the company must commit to the following monitoring schedule:

   a. Ivie Creek must be measured for flow and sampled for water quality at the West and East Boundary stations twice a year at the corresponding annual high and low flows.

b. Field measurements and water quality parameters to be analyzed by a laboratory are outlined in Table 1 (attached). These requirements apply to all water samples collected during the year.

c. Results of the flow, field measurements and the water quality analyses must be submitted to the Division twice a year (upon company receipt of laboratory analyses).

3. Pending the Division's receipt of an Attorney General's opinion, the company may be required to upgrade their interim MRP permit application to comply with the permanent program performance standards. At that time, Soldier Creek Coal Company would be required to reinstate a more extensive baseline/operational ground and surface water monitoring schedule in accordance with Division guidelines.

Soldier Creek Coal Company must respond to the terms and conditions of the monitoring program as outlined above by March 27, 1985.

Thank you for your cooperation in this matter. Please contact me or Dave Hooper should you have any questions.

Sincerely,

D. Wayne Hedberg

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

Review Chronology:

A. Operator Submittals
1. 2/15/85

B. DOGM Responses
1. 3/12/85

DH:jvb
cc: A. Klein
R. Hagen
L. Braxton
J. Helfrich
S. Pruitt
0119R-9

TABLE 1

FIELD MEASUREMENTS

- Specific Conductivity (umhos/cm)
- pH
- Water Temperature (C^o)
- Dissolved Oxygen

LABORATORY ANALYSES (mg/l)

- Total Dissolved Solids
- Total Suspended Solids
- Total Hardness (as $CaCo_3$)
- Carbonate (CO_3 $^{-2}$)
- Calcium (Ca)
- Chloride (Cl)
- Dissolved Iron (Fe)
- Magnesium (Mg)
- Manganese (Mn)
- Potassium (K)
- Sodium (Na)
- Sulfate (SO_4 $^{-2}$)

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