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SC³ SOLDIER CREEK COAL CO.

Telephone (801) 637-6360

P.O. Box 1
Price, Utah 84501

April 20, 1992

Mr. Lowell P. Braxton
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: 1991 Annual Report
Soldier Canyon Mine & Banning Loadout
ACT/007/018 and ACT/007/034

Dear Mr. Braxton:

Enclosed is the 1991 annual report for the Soldier Canyon Mine and Banning Loadout.

Please contact me if you have any questions or comments concerning this submittal.

Sincerely,

SOLDIER CREEK COAL COMPANY



J. T. Paluso
Chief Engineer

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DIVISION OF
OIL GAS & MINING

**COAL MINING AND RECLAMATION OPERATIONS FOR 1991
SOLDIER CREEK COAL COMPANY
SOLDIER CANYON MINE**

PERMITTEE: Soldier Creek Coal Company

MINE NAME: Banning Loadout

MAILING ADDRESS: P.O. Box 1, Price, UT 84501

COMPANY REPRESENTATIVE: Mr. R.W. Olsen, President

RESIDENT AGENT: Mr. R.W. Olsen, President

PERMIT NUMBER: ACT/007/034

MSHA ID NUMBER: 42-01756

DATE OF INITIAL PERMANENT PROGRAM PERMIT: October 24, 1988

DATE OF PERMIT RENEWAL: October 25, 1993

QUANTITY OF COAL SHIPPED (TONNAGE) 1991: 1,027,214

SUMMARIZED WATER MONITORING DATA:

There was no NPDES discharge during 1991 at Banning Loadout. Copies of the appropriate Discharge Monitoring Reports are enclosed.

RECLAMATION AND REVEGETATION ACTIVITIES:

A test plot was established in late November, 1988, along the south side of the loadout area near the railroad tracks. Monitoring of this test plot showed that the vegetation growth to be insufficient for demonstrating reclaimability of the site. In consultation with DOGM, a new test plot was established near the same location in late November, 1991. This new test plot utilizes a new seed mixture with three different treatments. A supplemental seed mixture is also being tested.

On April 8, 1992, the test plot was inspected by Paul Baker and Tom Paluso. Early impressions are that the supplemental seed mixture consisting of three introduced grasses is doing better than the main seed mixture. The test plot will be officially monitored at the end of the 1991 growing season (late August to September).

ANNUAL IMPOUNDMENT CERTIFICATION:

The sediment pond was inspected each quarter in 1991. No significant problems were detected that would have an affect on stability. Enclosed are the 1991 pond inspection reports.

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DIVISION OF
OIL GAS & MINING

ANNUAL OVERBURDEN, SPOIL, REFUSE, ROOF, FLOOR AND MID-SEAM DATA:

Enclosed are the annual toxicity results. The values are based on 130,692.7 tons of coal which were shipped during April, May, and June.

PERMIT STIPULATIONS AND DEFICIENCIES:

There are no outstanding stipulations or deficiencies.

SOLDIER CREEK COAL COMPANY
HYDROLOGIC MONITORING PROGRAM
SUMMARIZED RESULTS FOR 1991

NPDES results were submitted to the Division on the following dates:

1st Quarter	April 22, 1991
2nd Quarter	July 18, 1991
3rd Quarter	October 23, 1991
4th Quarter	January 21, 1992

IMPOUNDMENT CERTIFICATION



SOLDIER CREEK COAL CO.

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P.O. Box I
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QUARTERLY POND INSPECTION

Pond Being Inspected: Banning Sediment Pond

Date of Inspection: February 28, 1991

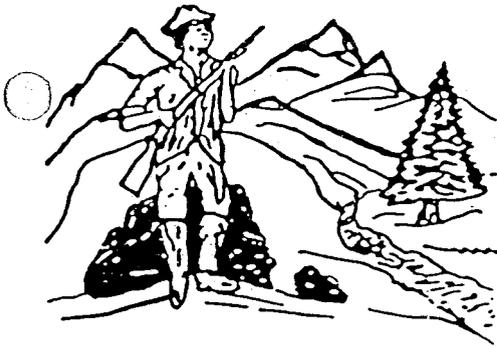
Person(s) Making Inspection: Johnny Pappas JP

Any Structural Weakness, Erosion and Other Hazardous Conditions Noted: None

Any Routine Maintenance Required: None

Comments: Pond appears to be in good condition with no problems noted.

APPROVAL: _____ DATE: _____



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QUARTERLY POND INSPECTION

Pond Being Inspected: Banning Sediment Pond

Date of Inspection: May 8, 1991

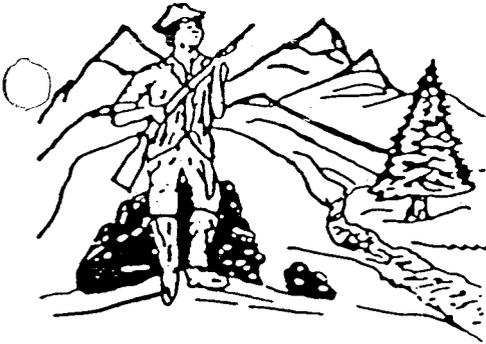
Person(s) Making Inspection: Johnny Pappas JP

Any Structural Weakness, Erosion and Other Hazardous Conditions Noted: None

Any Routine Maintenance Required: None

Comments: Pond appears to be in good condition with no problems noted.

APPROVAL: _____ DATE: _____



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QUARTERLY POND INSPECTION

Pond Being Inspected: Banning Loadout Sediment Pond

Date of Inspection: September 9, 1991

Person(s) Making Inspection: Johnny Pappas and Tom Paluso *J.P.*

Any Structural Weakness, Erosion and Other Hazardous Conditions Noted: _____

Erosion was observed at the sediment pond as noted below.

1) Riprap has been washed away at both inlets.

2) Minor erosion at various locations along the inslope.

The water level was above the decant structure, but no decanting took place. On 9/11/91, Johnny Pappas inspected the pond again and the water level was below the decant. At this time more erosion was observed at the south inlet.

Any Routine Maintenance Required: During the 9/11/91 inspection, workers were regrading and replacing riprap at the inlets down to the water level. This work will continue as soon as the water level lowers and the affected areas can be addressed. All erosional features will be adequately addressed.

Comments: The Banning Loadout experienced a significant precipitation event during Saturday, 9/7/91. The water level appears to have been at one time, approximately 1 foot from discharging through the principal spillway.

APPROVAL: _____ DATE: _____



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QUARTERLY POND INSPECTION

Pond Being Inspected: Banning Sedimentation Pond

Date of Inspection: December 9, 1991

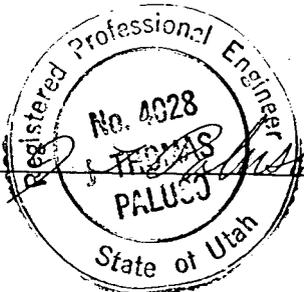
Person(s) Making Inspection: J.T. Paluso

Any Structural Weakness, Erosion and Other Hazardous Conditions Noted: There is no evidence of instability, structural weakness, or other hazardous conditions. Monitoring and instrumentation for stability is not presently required. The water level is approximately one foot.

Any Routine Maintenance Required: None

Comments: Erosion or unused portion of pond has been corrected.

APPROVAL:



DATE: December 26, 1991

TOXICITY RESULTS



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-8300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84628
TELEPHONE: (801) 653-2311
FAX: (801) 653-2479

August 28, 1991

Soldier Creek Coal Co.
P.O. Box I
Price UT 84501

Sample identification by
Soldier Creek Coal Co.

Kind of sample Coal
reported to us

Sample taken at Banning Rail Site

Quarterly Composite
April, May, & June 1991
130,692.7 Tons

Sample taken by CT&E

Date sampled -----

Date received July 9, 1991

Analysis report no. 59-133892

SOIL ANALYSIS

pH	7.5 units
Conductivity	0.6 mmhos/cm
Saturation %	25.8

Sodium Adsorption Ratio	2.09
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Nitrate-nitrogen	0.38%
Non-Sulfate Sulfur	0.45%
Total Organic Sulfur	0.39%
Calcium carbonate	2.06%

ACID BASE POTENTIAL

Neutralization potential	36.9 tons CaCO ₃ / 1000 tons
Maximum Acid Potential	14.1 tons CaCO ₃ / 1000 tons
Net Acid Base Potential	22.8 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W W



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311
FAX: (801) 653-2470

August 28, 1991

Soldier Creek Coal Co.
P.O. Box I
Price UT 84501

Sample identification by
Soldier Creek Coal Co.

Kind of sample reported to us Coal

Sample taken at Banning Rail Site

Quarterly Composite
April, May, & June 1991
130,692.7 Tons

Sample taken by CT&E

Date sampled -----

Date received July 9, 1991

Analysis report no. 59-133892

TRACE ELEMENTS, WATER EXTRACTABLE

Arsenic, As	<2 ppb	Lead, Pb	<50 ppb
Barium, Ba	<30 ppb	Mercury, Hg	<2 ppb
Boron, B	16.4 ppb	Molybdenum, Mo	<50 ppb
Cadmium, Cd	<5 ppb	Selenium, Se	<2 ppb
Copper, Cu	<10 ppb	Zinc, Zn	<10 ppb

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory