

0002



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

October 27, 1988

(THE FOLLOWING LETTER WAS GIVEN TO THE ATTACHED LIST)

Re: Pond and Impoundment Certification, Soldier Creek Coal Company, Soldier Canyon Mine, ACT/007/018, Folder #2, Carbon County, Utah

Enclosed is one (1) copy of Soldier Creek Coal Company's Pond and Impoundment Certifications for the Soldier Canyon Mine in Carbon County, Utah. This material should be used to update your file copy of the approved Permit Application Package (PAP) for this mine.

The Division approved this permit change on October 27, 1988. If you have any questions or need information, please contact me or James Leatherwood, Reclamation Soils Specialist at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Susan C. Linner".

Susan C. Linner  
Reclamation Biologist/  
Permit Supervisor

c1  
Enclosure  
cc: J. Leatherwood  
BT53/15

Mr. Robert H. Hagen, Director  
Office of Surface Mining  
Reclamation and Enforcement  
Albuquerque Field Office  
Suite 310, Silver Square  
625 Silver Avenue, SW  
Albuquerque, New Mexico 87102 Dear Mr. Hagen:

Mr. Peter A. Rutledge, Chief  
Division of Federal Programs  
Office of Surface Mining,  
Reclamation and Enforcement  
Brooks Towers  
1020 15th Street  
Denver, Colorado 80202 Dear Mr. Rutledge:

Mr. Gene Nodine  
District Manager  
Bureau of Land Management  
Moab District Office  
P. O. Box 970  
Moab, Utah 84532 Dear Mr. Nodine:

Mr. Mark Bailey, Area Manager  
Bureau of Land Management  
Price River Resource Area Office  
P. O. Box AB  
Price, Utah 84501 Dear Mr. Bailey:

Mr. Randy Heuscher, Chief  
Bureau of Land Management  
Utah State Office  
324 South State, Suite 301  
Salt Lake City, Utah 84111-2303 Dear Mr. Heuscher:

Mr. Clark Johnson, Field Supervisor  
U. S. Fish & Wildlife Service  
Ecological Services  
2060 Administrative Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-5110 Dear Mr. Johnson:

Mr. Robert Morgan, State Engineer  
Utah Division of Water Rights  
Utah Department of Natural Resources  
1636 West North Temple  
Salt Lake City, Utah 84116 Dear Mr. Morgan:

Mr. Dale Parker, Assistant Director  
Utah Department of Health  
Division of Environmental Health  
P. O. Box 16700  
Salt Lake City, Utah 84116-0700 Dear Mr. Parker:

Mr. William H. Geer, Director  
Utah Division of Wildlife Resources  
1596 West North Temple  
Salt Lake City, Utah 84116 Dear Mr. Geer:

Mr. Max J. Evans, Director  
Utah Division of State History  
300 Rio Grande  
Salt Lake City, Utah 84101 Dear Mr. Evans:

SOLDIER CANYON MINE  
PERMIT APPLICATION PACKAGE  
PAGE REPLACEMENT INSTRUCTIONS

October 17, 1988

<u>Volume</u>	<u>Section</u>	<u>Pages</u>	<u>Comments</u>
3	7.0 Cross References	7-45	Page Replacement
3	8.0 Appendix	8-1	Page Replacement
3	I Hydrology	First Page	Page Replacement
3	I Hydrology	I-169K & I-169L	New Pages

(1) 30 CFR, Chpt. VII, et al. OSM - DOGM	(2) 43 CFR, Part 3480 BLM	Location in Application	Remarks
817.49(d)	N/A	Subsec. 4.2.8	(d) Slope protection will be provided to minimize surface erosion at the site.
817.49(e), impoundments, and the surrounding areas and	N/A	"	(e) All embankments or temporary 817.111-817.227 diversion ditches disturbed or created by construction, will be graded, fertilized, seeded, and mulched to comply with regulatory requirements immediately after the embankment is completed, if weather conditions permit.
7-45 817.49(f), 77.216(a)	N/A	"	(f) All dams and embankments or other 30 CFR will be routinely inspected by a qualified registered professional engineer, or by someone under the supervision of a qualified registered professional engineer.
817.49(g)	N/A	"	(g) All embankments will be routinely maintained during the mining operations.
817.49(h) 817.49(h)(1) N/A annually thereafter.	N/A N/A	App I Pgs I-161 thru I-169L	(h) All embankments will be certified by a qualified registered professional engineer, following construction.
817.49(h)(4) 817.49(h)(5) 817.49(h)(5)(i)	N/A N/A N/A		
817.50	N/A	Subsec. 5.2.2	Hydrologic Balance: Underground Mine Entry And Access Discharges (a) Surface entries and accesses to underground workings, including adits and slopes will be located, designed, constructed, and utilized to prevent or control gravity discharge of water from the mine.
817.50(a)	N/A		

(1)  
30 CFR, Chpt. VII,  
et al.  
OSM - DOGM

(2)  
43 CFR, Part 3480  
BLM

Location  
in Application

Remarks

817.52	N/A		Hydrologic Balance: Surface And Ground Water Monitoring
817.52(a)(1)	N/A	Subsec. 4.4.2	(1) Ground water levels, infiltration rates, subsurface flow and storage characteristics, and the quality of ground water will be monitored in a manner approved by the Division.
817.52(a)(2)	N/A		N/A
817.52(a)(3), 817.50	N/A		N/A
817.52(b)	N/A		(b) Surface water.
817.52(b)(1), 784.14(b)(3) 817.52(b)(1)(i)	N/A N/A	Subsec. 4.4.2	(1) Surface water monitoring will be conducted in accordance with the monitoring program submitted to and approved by the Division.
817.52(b)(1)(ii)	N/A	Subsec. 4.2.7, 4.4.2	(ii) If analytical results of the sample collections indicate noncompliance with a permit condition or applicable standard has occurred the operator will notify the Division within 5 days. Where a National Pollutant Discharge Elimination System (NPDES) permit effluent limitation noncompliance has occurred, the operator will forward the analytic results concurrently with the written notice of noncompliance.

8.0 APPENDIX

PAGE

I. HYDROLOGY

TABLE

I-1	Results Of Selected Field And Laboratory Analysis Of Groundwater Samples In And In The Vicinity Of The Soldier Canyon Mine	I-1
I-2	USGS Streamflow Quantity And Quality Data For Surface Water Sampling Location G-5	I-38
I-3	Results Of Selected Field And Laboratory Analyses Of Surface Water Sampled At The Soldier Canyon Mine	I-62
	Runoff Control Plan Analysis, Design Methodology, July 1987	I-78a
	Utah Division of Oil, Gas and Mining, Letter Dated October 30, 1987	I-78j
	Runoff Control Plan, Vaughn Hansen Associates, July 1979	I-79
	Utah Division of Oil, Gas and Mining, Letter Dated February 2, 1987 Re: Final Approval of As-built Construction Plans for Sediment Pond Embankment	I-161
	Sedimentation Pond Modification, Final Recon- struction Report, January 20, 1987	I-164
	Sewage Lagoon Certification	I-169k
	Supplemental Hydrological Study	I-170

APPENDIX I

<u>TABLES</u>	<u>TITLE</u>	<u>PAGE</u>
I-1	Results Of Selected Field And Laboratory Analyses Of Groundwater Samples In And In The Vicinity Of The Soldier Canyon Mine	I-1
I-2	USGS Streamflow Quantity And Quality Data For Surface Water Sampling Location G-5	I-38
I-3	Results Of Selected Field And Laboratory Analyses Of Surface Water Sampled At The Soldier Canyon Mine	I-62
	Runoff Control Analysis, Design Methodology, July 1987	I-78a
	Utah Division of Oil, Gas and Mining, Letter Dated October 30, 1987	I-78j
	Runoff Control Plan, Vaughn Hansen Associates, July 1979	I-79
	Utah Division of Oil, Gas and Mining, Letter Dated February 2, 1987 Re: Final Approval of As-built Construction Plans for Sediment Pond Embankment	I-161
	Sedimentation Pond Modification, Final Reconstruction Report, January 20, 1987	I-164
	Sewage Lagoon Certification	I-169k
	Supplemental Hydrological Study	I-170

# SC<sup>3</sup>

# SOLDIER CREEK COAL CO.

Telephone (801) 637-6360

P.O. Box I  
Price, Utah 84501

\*

September 9, 1988

To Whom It May Concern:

The purpose of this letter is to confirm that Soldier Creek Coal Company's sewage lagoon was constructed in accordance with drawings prepared by Horrocks & Carollo Engineers dated May 12, 1982. To the best of my knowledge these are as-build drawings. Drawing E022, located in Volume 7 of our approved Mining and Reclamation Plan, is an as-build drawing and represents critical areas of the sewage lagoon.

Enclosed is a copy of the latest annual Pond Certification Report covering the sewage lagoon. This report satisfies the requirements of UMC 817.49(h) as stated in your memo dated June 6, 1988.

Sincerely,

SOLDIER CREEK COAL COMPANY



J.T. Paluso - P.E. UT-4028  
Chief Engineer

JTP/lss  
Enclosure

ANNUAL POND CERTIFICATION REPORT  
Soldier Creek Coal Company  
Soldier Canyon Mine  
P.O. Box I  
Price, UT 84501  
ACT/007/018

Date: March 24, 1988

Pond Identification: Sewage Lagoon

Initial Storage Capacity as Constructed: 2.1 Acre-feet

Existing Storage Capacity: 2.1 Acre-feet

Existing and Required Monitoring Procedures and Instrumentation: No discharge since the last annual inspection.

Existing Stability and Structural Condition of the Dam or Embankment: \_\_\_\_\_

Everything appears stable

Comments: All embankments are constructed of noncombustible material. Weeds on top of the embankment need to be sprayed in the spring again.

Plants in front of the emergency spillway need to be removed.

