0014

SOLDIER CREEK COAL CO.

Telephone (801) 637-6360

P.O. Box I
Price, Utah 84501

RECEIVED
MAY 6 1988
DIVISION OF
OIL, GAS & MINING

May 4, 1988

Mr. D. Wayne Hedberg
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Water Monitoring Results
First Quarter - 1988
Soldier Canyon Mine
ACT/007/018

Dear Mr. Hedberg:

I have enclosed the results of our water monitoring program for the first quarter of 1988.

If you have any questions or comments, please feel free to contact me.

Sincerely,

SOLDIER CREEK COAL COMPANY

Dave Spillman

David G. Spillman
Mine Engineer

DGS:lss

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: G-1 (Upper Soldier Creek)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	02/26/88			

Field Measurements

Flow, gpm	N/A
pH, units	8.80
Conductivity, us/cm	849
Temperature, Water°F	34.8
Temperature, Air °F	50.0
Dissolved Oxygen, ppm	6.5

Laboratory Analyses, mg/l

Total Dissolved Solids	524
Total Suspended Solids	828
Total Settleable Solids/hr	1.3
Total Hardness	267
Carbonate (CO_3^{-2})	0
Bicarbonate (HCO_3-)	388
Calcium (Ca)	41
Chloride (Cl-)	16
Iron-Dissolved (Fe)	0.02
Magnesium (Mg)	40
Manganese (Mn)	-0.01
Potassium (k)	1
Sodium (Na)	110
Sulfate (SO_4^{-2})	60
Oil & Grease	-1
Cations meq/l	10.20
Anions meq/l	9.47
Cation/Anion Balance (%)	3.71

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: G-2 (Upper Pine Creek)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F
Dissolved Oxygen, ppm

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Suspended Solids
Total Settleable Solids/hr
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Oil & Grease
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: G-5 (Lower Soldier Creek)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	02/26/88			

Field Measurements

Flow, gpm	N/A
pH, units	8.75
Conductivity, us/cm	1429
Temperature, Water°F	46.6
Temperature, Air °F	50.0
Dissolved Oxygen, ppm	8.1

Laboratory Analyses, mg/l

Total Dissolved Solids	826
Total Suspended Solids	118
Total Settleable Solids/hr	-0.2
Total Hardness	295
Carbonate (CO_3^{-2})	0
Bicarbonate (HCO_3-)	412
Calcium (Ca)	36
Chloride (Cl-)	148
Iron-Dissolved (Fe)	0.07
Magnesium (Mg)	50
Manganese (Mn)	0.01
Potassium (k)	9
Sodium (Na)	218
Sulfate (SO_4^{-2})	117
Oil & Grease	-1
Cations meq/l	15.73
Anions meq/l	14.84
Cation/Anion Balance (%)	2.91

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #3

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #4

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #5

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #8

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #10

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #15

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #18

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: Spring #21

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	Site Not Accessible			

Field Measurements

Flow, gpm
pH, units
Conductivity, us/cm
Temperature, Water°F
Temperature, Air °F

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: UG-2N (In-Mine Ground Water)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	02/04/88			

Field Measurements

Flow, gpm	37.5
pH, units	7.11
Conductivity, us/cm	1424
Temperature, Water°F	62.4
Temperature, Air °F	56.0

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: UG-3N8E (In-Mine Ground Water)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	02/04/88			

Field Measurements

Flow, gpm	50.0
pH, units	8.43
Conductivity, us/cm	1093
Temperature, Water°F	51.3
Temperature, Air °F	54.0

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: UG-Shaft (In-Mine Ground Water)

Scheduled Sample Month	Feb	May	Aug	Nov
Sample Date	02/04/88			

Field Measurements

Flow, gpm	10.0
pH, units	6.88
Conductivity, us/cm	1566
Temperature, Water°F	46.3
Temperature, Air °F	45.0

Laboratory Analyses, mg/l

Total Dissolved Solids
Total Hardness
Carbonate (CO_3^{-2})
Bicarbonate (HCO_3-)
Calcium (Ca)
Chloride (Cl-)
Iron-Dissolved (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (k)
Sodium (Na)
Sulfate (SO_4^{-2})
Cations meq/l
Anions meq/l
Cation/Anion Balance (%)

Note: Negative Sign "-" denotes that value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Scheduled Sample Month	Feb	May	Aug	Nov

Sample Site ID: 5-1 (Well)

Sample Date	Site Not Accessible
Water Level Measurement, ft.	

Sample Site ID: 10-2 (Well)

Sample Date	Site Not Accessible
Water Level Measurement, ft.	

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: MW-2 (Mine Water Discharge)

Scheduled Sample Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sample Date	01/22/88	02/10/88	03/17/88									
Field Measurements												
Flow, gpm	230	620	300									
pH, units	8.42	8.70	8.75									
Conductivity, us/cm	1434	1939	1725									
Temperature, Water °F	46.2	51.5	50.0									
Temperature, Air °F	9.0	32.0	32.0									
Laboratory Analyses, mg/l												
Total Dissolved Solids	832	1126	1552									
Total Suspended Solids	2	2	42									
Total Settleable Solids/hr	-0.1	-0.2	-0.1									
Iron, Dissolved (Fe)	0.51	0.15	0.06									
Iron, Total (Fe)	1.16	0.69	1.94									
Manganese (Mn)	0.01	0.01	0.02									
Oil & Grease	1	1	1									

Note: Negative sign "-" denotes that the value is less than.

Soldier Creek Coal Company
Hydrologic Monitoring Program
Summarized Results for 1988

Sample Site ID: MW-1 (Mine Water Discharge)

Scheduled Sample Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sample Date	No Discharge	No Discharge	No Discharge									
Field Measurements												
Flow, gpm												
pH, units												
Conductivity, us/cm												
Temperature, Water °F												
Temperature, Air °F												
Laboratory Analyses, mg/l												
Total Dissolved Solids												
Total Suspended Solids												
Total Settleable Solids/hr												
Iron, Dissolved (Fe)												
Iron, Total (Fe)												
Manganese (Mn)												
Oil & Grease												

Note: Negative sign "-" denotes that the value is less than.

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:

Sample ID: MW-2
Sample Date Time: 01/22/88 09:30

Lab No. : 88-WI/00285
Date Received: 01/26/88

Parameters

Oil and Grease	1.	mg/l
Solids, total dissolved	832.	mg/l
Solids, total suspended	2.	mg/l
Solids, settleable	-.1	ml/l/hr
Iron, dissolved	.51	mg/l
Iron, total	1.16	mg/l
Manganese, total	.01	mg/l

Remarks:

Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director

Ralph V. Poulsen /S.H.

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:

Sample ID: MW-2
Sample Date Time: 02/10/88 13:00

Lab No. : 88-WI/00456
Date Received: 02/12/88

Parameters

Oil and Grease	1.	mg/l
Solids, total dissolved	1126.	mg/l
Solids, total suspended	2.	mg/l
Solids, settleable	-.2	ml/l/hr
Iron, dissolved	.15	mg/l
Iron, total	.69	mg/l
Manganese, total	.01	mg/l

Remarks: Lab Filtering Required on "GREEN" Bottles #456

Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director

Ralph V. Poulsen

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:
Sample ID: G-1
Sample Date Time: 02/26/88 12:40

Lab No. : 88-WI/00769
Date Received: 03/02/88

Parameters

Alkalinity as CaCO3	388.	mg/l
Bicarbonate as CaCO3	388	mg/l
Calcium, dissolved	41.	mg/l
Carbonate as CaCO3	0	mg/l
Chloride	16.	mg/l
Hardness as CaCO3	267.	mg/l
Hydroxide as CaCO3	0	mg/l
Magnesium, dissolved	40.	mg/l
Oil and Grease	-1.	mg/l
Potassium, dissolved	1.	mg/l
SAR in water	2.96	
Sodium, dissolved	110.	mg/l
Sulfate	60.	mg/l
Cations (sum)	10.20	meq/l
Anions (sum)	9.47	meq/l
Cation-Anion Balance	3.71	%
Solids, total dissolved	524.	mg/l
Solids, total suspended	828.	mg/l
Solids, settleable	1.3	ml/l/hr
Iron, dissolved	.02	mg/l
Manganese, dissolved	-.01	mg/l

Remarks:
Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director

Ralph V. Poulsen /S.H.

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:
Sample ID: G-5 Lab No. : 88-WI/00770
Sample Date Time: 02/26/88 13:20 Date Received: 03/02/88

Parameters

Alkalinity as CaCO3	412.	mg/l
Bicarbonate as CaCO3	412	mg/l
Calcium, dissolved	36.	mg/l
Carbonate as CaCO3	0	mg/l
Chloride	148.	mg/l
Hardness as CaCO3	295.	mg/l
Hydroxide as CaCO3	0	mg/l
Magnesium, dissolved	50.	mg/l
Oil and Grease	-1.	mg/l
Potassium, dissolved	9.	mg/l
SAR in water	5.58	
Sodium, dissolved	218.	mg/l
Sulfate	117.	mg/l
Cations (sum)	15.73	meq/l
Anions (sum)	14.84	meq/l
Cation-Anion Balance	2.91	%
Solids, total dissolved	826.	mg/l
Solids, total suspended	118.	mg/l
Solids, settleable	-.2	ml/l/hr
Iron, dissolved	.07	mg/l
Manganese, dissolved	.01	mg/l

Remarks:
Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director

Ralph V. Poulsen/SH.

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:

Sample ID: MW2
Sample Date Time: 03/17/88 08:30

Lab No. : 88-WI/01159
Date Received: 03/21/88

Parameters			Analysis Date
Oil and Grease	1.	mg/l	03/03/88
Solids, total dissolved	1552.	mg/l	03/24/88
Solids, total suspended	42.	mg/l	03/24/88
Solids, settleable	-.1	ml/l/hr	03/21/88
Iron, dissolved	.06	mg/l	03/29/88
Iron, total	1.94	mg/l	04/12/88
Manganese, total	.02	mg/l	04/12/88

Remarks:
Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director
Ralph V. Poulsen/S.H.

Dave
APR 18 1988

PERMITTEE NAME/ADDRESS (*Include Facility Name/Location if different*)

NAME Soldier Creek Coal Company

ADDRESS P.O. Box I
Price, UT 84501

FACILITY Soldier Canyon Mine

LOCATION Discharge Pipe (MW-2)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (*NPDES*)
DISCHARGE MONITORING REPORT (*DMR*)

Form Approved.
OMB No. 2040-0004
Approval expires 9-30-85

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
UT-0023680	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	88	01	01	TO	88	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT	0.170	0.232	MGD	*	*	*	MGD	1	1/30	Meter
	PERMIT REQUIREMENT	*	*		*	*	*			"	"
Solids; Total Suspended	SAMPLE MEASUREMENT				2	15	42	MG/L	0	"	GR
	PERMIT REQUIREMENT				*	25	70			"	"
Solids; Total Dissolved	SAMPLE MEASUREMENT				832	1,170	1,552	MG/L	1	"	"
	PERMIT REQUIREMENT				*	*	1,500			"	"
pH	SAMPLE MEASUREMENT				8.42	8.62	8.75	SU	0	"	"
	PERMIT REQUIREMENT				6.5	*	9.0			"	"
Oil & Grease	SAMPLE MEASUREMENT				1	1	1	MG/L	0	"	"
	PERMIT REQUIREMENT				*	*	10			"	"
Iron; Total	SAMPLE MEASUREMENT				0.69	1.26	1.94	MG/L	0	"	"
	PERMIT REQUIREMENT				*	*	2.0			"	"
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
David G. Spillman Mine Engineer	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C § 1001 AND 33 U.S.C § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	David G. Spillman SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	801 AREA CODE	637-6360 NUMBER	88 YEAR	04 MO	26 DAY
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

April 7, 1988 Noncompliance Notification Letter is attached.

Note: There was no discharge from point source 001 (MW-1) and 002 (sediment pond)

SOLDIER CREEK COAL CO.

Telephone (801) 637-6360

P.O. Box I
Price, Utah 84501

April 7, 1988

U.S. Environmental Protection Agency
999 18th Street, 8 WM-C
One Denver Place
Denver, CO 80202-2413

RE: NPDES Permit UT-0023680
Noncompliance Notification

Dear Sirs:

I have enclosed a copy of the analysis report for our March 1988 sample of point source 003 (MW2). This analysis determined the total dissolved solids (TDS) of the sample to be 1,552 mg/l, which exceeds the 1,500 mg/l daily maximum discharge limitation specified in our permit. The following additional data collected for the 1st quarter of 1988 also indicated that the total amount of TDS discharged exceeded the one ton per day limitation.

UT-0023680

1st Quarter 1988

	Minimum	Average	Maximum
Flow, gal/day		169,800	232,300
TDS, mg/l	832	1,170	1,552
TDS Discharged tons/day		0.8	1.1

Noncompliance to the permit limitations is apparently related to the dewatering of the 5th North section within the mine. Water impounded in this area was minimal and would have affected discharge quality for only a 2-3 day period. This dewatering activity is a one time only

occurrence, therefore monitoring shall continue as scheduled in the permit.

Please contact me if you should have any questions concerning this matter.

Sincerely,

David G. Spillman

David G. Spillman
Mine Engineer

DGS/lss
Enc.

xc: State of Utah, Bureau of Water Pollution Control
State of Utah, Division of Oil, Gas and Mining

Client : Soldier Creek Coal Company
Address : P.O. Box 1
Price, Utah 84501
Attn. : Mr. Dave Spillman
P.O. No.:
Sample ID: MW2
Sample Date Time: 03/17/88 08:30

Lab No. : 88-WI/01159
Date Received: 03/21/88

Parameters

Alkalinity as CaCO3	506.	mg/l
Bicarbonate as CaCO3	506	mg/l
Calcium, dissolved	43.	mg/l
Carbonate as CaCO3	0	mg/l
Chloride	500.	mg/l
Hardness as CaCO3	321.	mg/l
Hydroxide as CaCO3	0	mg/l
Magnesium, dissolved	52.	mg/l
Oil and Grease	1.	mg/l
Potassium, dissolved	19.	mg/l
SAR in water	11.89	
Sodium, dissolved	484.	mg/l
Sulfate	148.	mg/l
Cations (sum)	28.20	meq/l
Anions (sum)	27.23	meq/l
Cation-Anion Balance	1.75	%
Solids, total dissolved	1552.	mg/l
Solids, total suspended	42.	mg/l
Solids, settleable	-.1	ml/l/hr
Iron, dissolved	.06	mg/l
Manganese, dissolved	-.01	mg/l

Remarks:
Note: Negative sign "-" denotes that the value is less than "<"

Ralph V. Poulsen, Laboratory Director

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