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BEAVER CREEK COAL COMPANY

1989 ANNUAL REPORT

TRAIL MOUNTAIN NO. 9 MINE

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



March 29, 1990

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

RE: 1989 Annual Report
Trail Mountain No. 9 Mine
ACT/015/009
Emery County, Utah

Dear Mr. Braxton:

Enclosed is the Annual Report for Coal Mining and Reclamation Operations for 1989 for the Trail Mountain No. 9 Mine.

If you have any questions or need any further information, please let me know.

Respectfully,

Dan W. Guy,
Manager, Permitting & Compliance

DWG/pd

cc: Johnny Coffey
File 4-P-5-1-1

RECEIVED

MAR 29 1990

DIVISION OF
GAS & MINING
PRICE, UTAH

BEAVER CREEK COAL COMPANY
1989 ANNUAL REPORT
TRAIL MOUNTAIN NO. 9 MINE

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GAS & MINES
PRICE, UTAH

BEAVER CREEK Coal Company

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RECEIVED
MAR 29 1990
DIVISION OF
GAS & MINING
PRICE, UTAH

COAL MINING AND RECLAMATION OPERATIONS FOR 1989
(Authority UMC 784)

(Must be submitted to the Division by March 31, 1990)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

(801) 538-5340

Operator:	Beaver Creek Coal Company
Mine Name:	Trail Mountain No. 9 Mine
Mailing Address:	P.O. Box 1378, Price, Utah 84501
Company Representative:	Dan W. Guy
Permit Number:	ACT/015/009
Date of Most Recent Permanent Program Permit:	2/26/90
Quantity of Coal Mined (tonnage) 1989:	347,436 Tons

Attach Updated Mine Sequence Map. (Included)

All monitoring activities during the report period must be submitted with this report (including, but not limited to):

- A. Summarized Water Monitoring Data (Included)
- B. Precipitation or Other Climatological Data (Included)
- C. Subsidence Monitoring Report (Included)
- D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final) (Included)
- E. Permit Stipulation Status (Included)

CERTIFICATES OF INSURANCE

Bond Number U63 05 13
 Permit Number ACT/015/009
 Mine Name Beaver Creek No. 9 Mine

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84160-1203
 (801) 538-5340

THE MINED LANDS RECLAMATION ACT

BOND

The undersigned Beaver Creek Coal Company as principal, and United Pacific Insurance Company as surety, hereby jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns unto the State of Utah, Division of Oil, Gas and Mining, and the U. S. Department of the Interior, Office of Surface Mining in the penal sum of Four Hundred Sixty-Three Thousand Seven Hundred Eleven dollars (\$ 463,711.00). Such sum shall be payable to one, but not both, of the above-named agencies.

The principal estimated in the Mining and Reclamation Plan filed with the Division of Oil, Gas and Mining on the 3rd day of March, 19 81, that 1414.77 acres of land will be disturbed by this mining operation in the State of Utah. A description of the disturbed land is attached hereto as Exhibit "A."

When the Division has determined that the principal has satisfactorily reclaimed the above-mentioned lands affected by mining in accordance with the approved Mining and Reclamation Plan and has faithfully performed all requirements of the Mined Land Reclamation Act, and complied with the Rules and Regulations adopted in accordance therewith, then this obligation shall be void; otherwise it shall remain in full force and effect until the reclamation is completed as outlined in the approved Mining and Reclamation Plan.

If the approved plan provides for reclamation of the land affected on a piecemeal or cyclic basis, and the land is reclaimed in accordance with such plan, then this bond may be reduced periodically.

In the converse, if the plan provides for a gradual increase in the area of the land affected or increased reclamation work, then this bond may accordingly be increased with the written approval of the surety company.

The Division shall only accept the bond of a surety company if the bond is noncancellable by the surety at any time for any reason including, but not limited to nonpayment of premium or bankruptcy of the permittee during the period of liability.

NOTE: Where one signs by virtue of Power of Attorney for a surety company, such Power of Attorney must be filed with this bond. If the principal is a corporation, the bond shall be executed by its duly authorized officer.

Beaver Creek Coal Company
Principal (Company)

LEGAL
pa

By Charles B. Smith
Company Officer - Position
Charles B. Smith, Vice President

Date: September 22, 1987

United Pacific Insurance Company
Surety (Company)

By James M. Kade
Surety Company Officer - Position
James M. Kade, Attorney-in-Fact

DATE: September 21, 1987

APPROVED AS TO FORM:

By _____
Assistant Attorney General

Beaver Creek No. 9 Mine

Exhibit A

Affected Area (Permit Area)

Township 17 South, Range 6 East, SLB&M

Section 25: S1/2 NW1/4, W1/2 SW1/4, W1/2 E1/2 SW1/4, SW1/4
SE1/4, E1/2 E1/2 SW1/4

Begin at point of SW Corner of NW1/4 SE1/4, thence North
160 Rods, thence East 44 Rods to center of Cottonwood
Creek, Southward along creek to a point 76 Rods east of the
beginning, thence west 76 Rods to the Point of Beginning.

Section 26: SE1/4 NE1/4, E1/2 SW1/4 NE1/4, E1/2 SE1/4,
E1/2 W1/2 SE1/4

Section 35: N1/2 NE1/4, SE1/4 NE1/4, E1/2 SW1/4 NE1/4,
E1/2 SE1/4, E1/2 W1/2 SE1/4

Section 36: All

Disturbed Area:

Township 17 South, Range 6 East, SLB&M

Section 25: 8.8 acres in the SW1/4 NE1/4

Signed, sealed, and dated this 21st day of September 1987.

United Pacific Insurance Comp

By: James M. Kaede
James M. Kaede, Attorney-in-Fa

UNITED PACIFIC INSURANCE COMPANY

HOME OFFICE, FEDERAL WAY, WASHINGTON

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the UNITED PACIFIC INSURANCE COMPANY, a corporation duly organized under the laws of the State of Washington, does hereby make, constitute and appoint **James M. Kade** of Denver, Colorado

its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed any and all bonds and undertakings of Suretyship,

and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

This Power of Attorney is granted under and by authority of Article VII of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which became effective September 7, 1978, which provisions are now in full force and effect, reading as follows:

ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKINGS

1. The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorneys-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-Fact at any time and revoke the power and authority given to him.

2. Attorneys-in-Fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

3. Attorneys-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof.

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 5th day of June, 1979, at which a quorum was present, and said Resolution has not been amended or repealed:

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President, and its corporate seal to be hereto affixed, this 30th day of April 1985.

UNITED PACIFIC INSURANCE COMPANY

Vice President



STATE OF Pennsylvania }
COUNTY OF Philadelphia } ss.

On this 30th day of April, 1985 personally appeared **Raymond MacNeil**

to me known to be the Vice-President of the UNITED PACIFIC INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII, Section 1, 2, and 3 of the By-Laws of said Company, and the Resolution, set forth therein, are still in full force.

My Commission Expires:

September 28, 1987



Notary Public in and for State of Pennsylvania

Residing at Philadelphia

I, **J. A. Dally**, Assistant Secretary of the UNITED PACIFIC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said UNITED PACIFIC INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this 21st day of Sept 1987



Assistant Secretary

UNITED PACIFIC INSURANCE COMPANY

HOME OFFICE, FEDERAL WAY, WASHINGTON

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the UNITED PACIFIC INSURANCE COMPANY, a corporation duly organized under the laws of the State of Washington, does hereby make, constitute and appoint James M. Kaede of Denver, Colorado

its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed any and all bonds and undertakings of Suretyship,

and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

This Power of Attorney is granted under and by authority of Article VII of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which became effective September 7, 1978, which provisions are now in full force and effect, reading as follows:

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1. The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorneys-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-Fact at any time and revoke the power and authority given to him.

2. Attorneys-in-Fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

3. Attorneys-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof.

A power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 5th day of June, 1979, at which a quorum was present, and said Resolution has not been amended or repealed:

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President, and its corporate seal to be hereto affixed, this 30th day of April 1985.

UNITED PACIFIC INSURANCE COMPANY

Vice President



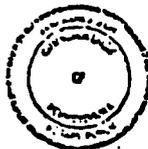
STATE OF Pennsylvania }
COUNTY OF Philadelphia }

On this 30th day of April, 1985 personally appeared Raymond MacNeil

to me known to be the Vice-President of the UNITED PACIFIC INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII, Section 2, and 3 of the By-Laws of said Company, and the Resolution, set forth therein, are still in full force.

My Commission Expires:

September 28, 1987



Notary Public in and for State of Pennsylvania

Residing at Philadelphia

J. A. Daily, Assistant Secretary of the UNITED PACIFIC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said UNITED PACIFIC INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this 21st day of September 1987.



Assistant Secretary

Revised November, 1987.

CERTIFICATE OF LIABILITY INSURANCE

Issued to:
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
--oo00oo--

THIS IS TO CERTIFY THAT:

Insurance Company of North America

(Name of Insurance Company)

1600 Arch Street, Philadelphia, PA 19101

(Home Office Address of Insurance Company)

HAS ISSUED TO:

BEAVER CREEK COAL CO.

(Name of Permit Applicant)

TRAIL MOUNTAIN No.9 MINE

(Mine Name)

ACT/015/009

(Permit Number)

CERTIFICATE OF INSURANCE:

HDO GO 969065-7

(Policy Number)

1-1-88

(Effective Date)

UNDER THE FOLLOWING TERMS AND CONDITIONS:

As Per UMC/SMC Part 800.60 Terms and Conditions for Liability Insurance;

- A. The Division shall require the applicant to submit as part of its permit application a certificate issued by an insurance company authorized to do business in the state of Utah certifying that the applicant has a public liability insurance policy in force for the surface coal mining and reclamation operations for which the permit is sought. Such policy shall provide for personal injury and property damage protection in an amount adequate to compensate any persons injured or property damaged as a result of the surface coal mining and reclamation operations, including the use of explosives and who are entitled to compensation under the applicable provisions of state law. Minimum insurance coverage for bodily injury and property damage shall be \$300,000 for each occurrence and \$500,000 aggregate.
- B. The policy shall be maintained in full force during the life of the permit or any renewal thereof, including the liability period necessary to complete all reclamation operations under this chapter.

Page 2.
CERTIFICATE OF LIABILITY INSURANCE

C. The policy shall include a rider requiring that the insurer notify the Division whenever substantive changes are made in the policy including any termination or failure to renew.

IN ACCORDANCE WITH THE ABOVE TERMS AND CONDITIONS, and the Utah Code Annotated 40-10-1 et seq., the Insurance Company hereby attests to the fact that coverage for said Permit Applicant is in accordance with the requirements of the State of Utah and agrees to notify the Division of Oil, Gas and Mining in writing of any substantive change, including cancellation, failure to renew, or other material change. No change shall be effective until at least thirty (30) days after such notice is received by the Division.

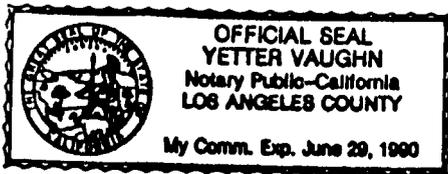
UNDERWRITING AGENT:

<u>M. J. Morehouse</u> (Agent's Name)	<u>213-739-4630</u> (Phone)
<u>Insurance Company of North America</u> (Company Name)	
<u>3333 Wilshire Blvd</u> (Mailing Address)	<u>Los Angeles, CA 90010</u> (City, State, Zip Code)

The undersigned affirms that the above information is true and complete to the best of his or her knowledge and belief, and that he or she is an authorized representative of the above-named insurance company.

1-27-88 M. J. Morehouse - account manager
(Date, Signature and Title of Authorized Agent of Insurance Company)

Signed and sworn before me by M. J. MOREHOUSE
(Name)
this 27th day of January, 1988



Yetter Vaughn
(Signature)

June 29, 1990
(Date)

CERTIFICATE OF INSURANCE 11-28-89 mjt
 (This Certificate of Insurance neither affirmatively nor negatively amends, extends or alters the coverage, limits, terms or conditions of the policies it certifies.)

CIGNA Property and Casualty Companies



RECEIVED

DEC 05 1989

To Certify to
 State of Utah
 Division of Oil, Gas and Mining
 Utah Department of Natural Resources
 4241 State Office Building
 Salt Lake City, UT 84114

DIVISION OF
 OIL, GAS & MINING

- COMPANY CODES
- CIGNA INSURANCE COMPANY
 - CIGNA INS. CO. OF TEXAS
 - PACIFIC EMPLOYERS INS. CO.
 - INSURANCE COMPANY OF NORTH AMERICA
 - CIGNA INS. CO. OF ILLINOIS
 - CIGNA INS. CO. OF OHIO
 - (OTHER; — SPECIFY) FOLD

that the following described policy or policies, issued by The Company as coded below, providing insurance only for hazards checked by "X" below, have been issued to:

NAME AND ADDRESS OF INSURED: Atlantic Richfield Company, its Subsidiaries and subsidiaries thereof as now or hereinafter constituted, Atlantic Richfield Plaza, 515 So. Flower Street, Los Angeles, CA 90071 covering in accordance with the terms thereof, at the following location(s):

Including Beaver Creek Coal Company

TYPE OF POLICY	HAZARDS	CO. CODE	POLICY NUMBER	POLICY PERIOD	LIMITS OF LIABILITY		
(a) Standard Workmen's Compensation & Employers' Liability	<input type="checkbox"/>	<input type="checkbox"/>			Statutory W. C. One Accident and Aggregate Disease		
(b) General Liability Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 077856-6	01-01-90 to 01-01-93	\$ *See Below	Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence	
	Independent Contractors	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Completed Operations/Products	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Contractual, (Specific type as described in footnote below)	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
Property Damage Premises—Operations (Including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 077856-6	01-01-90 to 01-01-93	\$ *See Below	Aggregate—Completed Operations/Products Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence	
	Independent Contractors	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Completed Operations/Products	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Contractual, (Specific type as described in footnote below)	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
(c) Automobile Liability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISA 001903	01-01-90 to 01-01-93	\$ *See Below	Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence	
	Bodily Injury Owned Automobiles	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Hired Automobiles	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
Property Damage Owned Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISA 001903	01-01-90 to 01-01-93	\$ *See Below	Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence	
	Hired Automobiles	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
	Non-owned Automobiles	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
(d) SEE REVERSE					*2,000,000 Combined Single Limit per occurrence subject to aggregate of \$2,000,000, where applicable.		

Contractual Footnote: Subject to all the policy terms applicable, specific contractual coverage is provided as respects

(Check) a contract
 (Applicable) purchase order agreements
 (Block) all contracts

between the Insured and:

NAME OF OTHER PARTY

DESCRIPTION (OR JOB)

It is the intention of the company that in the event of cancellation of the policy or policies by the company, ten (10) days' written notice of such cancellation will be given to you at the address stated above.

DATE (if applicable) CONTRACT NO. (if any)

Definitions: "Incidental contract" means any written (1) lease of premises (2) easement agreement, except in connection with construction or demolition operations on or adjacent to a railroad, (3) undertaking to indemnify a municipality required by municipal ordinance, except in connection with work for the municipality, (4) sidetrack agreement, or (5) elevator maintenance agreement.

[Signature]
 Authorized Representative

1989

WATER MONITORING DATA

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: S-W-1
 Location: Up. N.F. Cot. Cr.
 Type: P. Stream
 Frequency: Monthly-Quarterly

Field Measurements	Date Sampled											
	01/16/89	02/28/89	03/13/89	04/06/89	05/25/89	06/18/89	07/19/89	08/28/89	09/17/89	10/29/89	11/13/89	12/12/89
Flow [gpm]	45	149	190	189	240	112	84	141	67	47	69	56
PH	7.9	7.9	7.9	7.9	8.1	7.9	8	8.1	7.8	7.9	7.9	7.9
Sp. Con. [ohms]	200	240	410	406	580	310	490	600	600	490	690	410
Temp [C]	0	1	3	3	6	4	6	9	6	2	1	0
Diss. O. [ppm]	10	9	10	9	9	9	10	10	8	9	9	8

Lab. Meas. [ng/l]	Date Sampled				Mean
	02/28/89	05/25/89	07/19/89	11/13/89	
TDS	376	226	326	314	310.5
TSS	6	150	37	190	95.75
O & G	<5	LOST	NT	NT	NA
CaCO3	311	268	264	291	283.5
HCO3	327	291	295	333	311.5
Ac CaCO3	<1	<1	0	0	0
HCO3	379	325	322	355	345.3
CO3	0	0	0	0	0
Cl	11	6.48	10	11.6	9.77
SO4	56	38.68	41	51	46.47
Ca	63	15.13	58	66	50.53
Mg	42	61.61	51	41	48.9
K	2	1.25	3	2.1	2.09
Na	17	11.4	13	14.4	13.95
Cat/An	2.26	0.4	.78	.77	.96
Fe	.11	.50	2.10	.13	.71
	<.02	.03	.13	<.02	.05

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: S-W-2
 Location: Mid Property
 Type: P. Stream
 Frequency: Monthly-Quarterly

Date Sampled

Field Measurements	01/16/89	02/28/89	03/13/89	04/06/89	05/25/89	06/18/89	07/19/89	08/28/89	09/17/89	10/29/89	11/02/89	11/19/89
Flow [gpm]	49	155	211	198	247	119	110	175	80	42	129	12
PH	7.9	8.0	8.0	7.9	8.0	7.9	7.9	8	7.86	8	8	8.2
Sp.Con. [ohms]	210	400	460	510	615	300	600	980	640	520	610	91
Temp [C]	0	1	3	3	5	5	5	10	6	1	1	1
Diss. O. [ppm]	-	9	9	9	9	9	10	9	9	10	9	8

Date Sampled

Lab. Meas. [mg/l]	02/28/89	05/25/89	07/19/89	11/02/89	Mean
TDS	388	302	334	318	335.5
TSS	28	10.5	21	12	17.88
	<5	LOST	<5.0	NT	<5
CaCO3	289	270	256	293	277
Hd CaCO3	336	313	299	328	319
Ac CaCO3	<1	<1	<1	<1	<1
HCO3	352	326	312	358	337
CO3	0	0	0	0	0
Cl	15	13	14	12	13.5
SO4	74	64.6	57	63	64.65
Ca	58	11.15	45	79	48.29
Mg	47	69.25	51	32	49.81
K	2	1.62	2	2.5	2.03
Na	21	22.3	17	20	20
Cat/An	.52	1.09	.64	.07	.58
Fe	.08	<.05	.34	.29	.19
...	.03	<.02	<.02	<.02	<.02

WATER MONITORING REPORT

Property: ECCC #9 Mine
 Station: SW-3
 Location: Lower Cottonwood
 Type: P. Stream
 Frequency: Monthly-Quarterly

Field Measurements	Date Sampled											
	01/24/89	02/28/89	03/13/89	04/06/89	05/25/89	06/18/89	07/19/89	08/28/89	09/17/89	10/23/89	11/02/89	12/12/89
Flow [gpm]	57	197	247	211	290	129	184	186	89	45	147	97
PH	7.9	7.9	8.1	8	8	8	7.9	7.9	7.6	7.9	8.1	8.1
Sp.Con. [ohms]	240	320	560	510	900	910	600	1070	909	640	960	770
Temp [C]	0	2	3	3	6	5	5	10	6	1	2	1
Diss. O. [ppm]	10	9	9	10	NT	10	9	9	9	9	10	9

Lab. Meas. [mg/l]	Date Sampled					Mean
	02/28/89	05/25/89	07/19/89	11/02/89		
TDS	508	510	603	614	558.75	
TSS	<.01	7.00	7	1	3.75	
O & G	<5	<5	<5	<5	<5	<5.0
CaCO3	315	300	309	339	318	
Hd CaCO3	398	432	456	488	443.5	
Ac CaCO3	<1	<1	<.01	<1	<1	
HCO3	384	357	376	413	382.5	
CO3	0	4.44	0	0	4.44	
Cl	29	33.7	44	50	39.18	
SO4	131	181.47	204	198	178.61	
Ca	67	14.33	65	98	61.08	
Mg	51	96.37	51	60	64.6	
K	2	2.51	4	4	3.14	
Na	39	47.6	52	52	47.65	
Cat/An	.72	.23	.78	.79	.63	
Fe	.38	<.05	2.10	<.05	.645	
Mn	<.02	<.02	.13	<.02	<.03	

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: UG2
 Location: Underground
 Type: Spring
 Frequency: Quar. BL

Field Measurements	Date Sampled				Mean
	00/00/89	00/00/89	08/22/89	11/29/89	
Flow [gpm]			12	17	
PH			7.8	7.9	
Sp. Cond. [ohms]			460	400	
Temp. [C]			4.5	4	
Diss. O [ppm]			N/A	N/A	

Lab. Meas. [mg/l]

TDS	Baseline - See Lab Sheet (1/15/90 Replaces Lost Sample)
TSS	
O & G	
Al CaCO3	
Hd CaCO3	
Ac CaCO3	
HCO3	
CO3	
Cl	
SO4	
Ca	
Mg	
K	
Na	
Cat/An	
Fe	
Mn	



2606 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: UG-2
LAB NO: F3796

* DATE RECEIVED: 01/19/90
DATE COLLECTED: 01/15/90

Lab pH (s.u.).....	8.41
Lab Conductivity, umhos/cm.....	936
Lab resistivity, ohm-m.....	10.6838
Total Dissolved Solids (180), mg/l..	504
Total Dissolved Solids (calc), mg/l.	527
Total Suspended Solids, mg/l.....	1
Total Alkalinity as CaCO3, mg/l.....	400.18
Total Acidity as CaCO3, mg/l.....	0.00
Total Hardness as CaCO3, mg/l.....	248.41
Sodium Absorption Ratio.....	3.28
Ortho-Phosphate, mg/l.....	0.01
Fluoride, mg/l.....	3.6
Sulfide as H2S, mg/l.....	<0.1
Nitrate, mg/l.....	0.24
Nitrite, mg/l.....	<0.10
Ammonia, mg/l.....	<0.10

	mg/l	meq/l
Bicarbonate as HCO3.....	488.22	8.00
Carbonate as CO3.....	0.00	0.00
Chloride.....	38.54	1.09
Sulfate.....	47.73	0.99
Calcium.....	47.16	2.35
Magnesium.....	31.80	2.61
Potassium.....	2.17	0.06
Sodium.....	119.00	5.18
Major Cations.....		10.20
Major Anions.....		10.09
Cation/Anion Difference.....		0.57 %

* Replaces lost shipment



2506 West Main Street
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CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: UG-2
LAB NO: F3796

* DATE RECEIVED: 01/19/90
DATE COLLECTED: 01/15/90

Trace metals by AA (Dissolved Concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As).....	0.0004	<0.0003
Cadmium (Cd).....	0.0008	<0.0002
Mercury (Hg).....	ND	<0.0002
Lead (Pb).....	ND	<0.004
Selenium (Se).....	ND	<0.0002

Trace metals by ICAP (Dissolved Concentration), mg/l

	Analytical Result:	Detection Limit:
Aluminum (Al).....	ND	<0.1
Boron (B).....	0.12	<0.01
Barium (Ba).....	ND	<0.5
Chromium (Cr).....	ND	<0.02
Copper (Cu).....	0.01	<0.01
Iron (Fe).....	0.18	<0.05
Manganese (Mn).....	0.02	<0.02
Molybdenum (Mo).....	ND	<0.02
Nickel (Ni).....	ND	<0.01
Zinc (Zn).....	0.02	<0.01

C. Neal Schaeffer
Lab Director

* Replaces Last Shipment

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: TM-1
 Location: Well #1 Portal
 Type: Well
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	03/13/89	05/25/89	08/28/89	11/29/89	
Flow [fs]	21'	22.5'	21'	28'	
PH	7.9	7.5	7.9	7.9	
Sp. Cond. [ohms]	2290	2500	1290	500	
Temp. [C]	4	4	6	4	
Diss. O [ppm]	N/A	N/A	N/A	N/A	

Lab. Meas. [mg/l]					
	03/13/89	05/25/89	08/28/89	11/29/89	1/15/90 <i>Replaces Last Sample</i>
TDS	1612	1384	992	319	
TSS	-	-	148	23	
O & G	-	-	N/A	N/A	
Al CaCO3	350	329	280	241.23	
Hd CaCO3	792	835	454	75.79	
Ac CaCO3	<1	<1	0	0	
HCO3	427	398	342	294.3	
CO3	0	0	0	0	
Cl	516	515	315.55	12.31	
SO4	226	226	145.92	35.80	
Ca	151	58.12	95.23	18.53	
Mg	101	167.89	52.71	7.19	
K	8	8.13	0	2.81	
Na	232	214.20	12	98	
Cat/An	.27	.80	1.27	.57	
Fe	<.05	1.01	.52	14.45	
Mn	<.02	.03	<.02	.11	



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 Tel. (505) 328-4737

CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: TM-1

* DATE RECEIVED: 01/19/90

LAB NO: F3795

* DATE COLLECTED: 01/15/90

Lab pH (s.u.).....	8.18
Lab Conductivity, umhos/cm.....	571
Lab resistivity, ohm-m.....	17.5131
Total Dissolved Solids (180), mg/l..	304
Total Dissolved Solids (calc), mg/l.	319
Total Suspended Solids, mg/l.....	23
Settleable solids, ml/l.....	<0.1
Total Alkalinity as CaCO3, mg/l.....	241.23
Total Acidity as CaCO3, mg/l.....	0.00
Total Hardness as CaCO3, mg/l.....	75.79
Sodium Absorption Ratio.....	4.90
Fluoride, mg/l.....	0.213

	mg/l	meq/l
Bicarbonate as HCO3.....	294.30	4.82
Carbonate as CO3.....	0.00	0.00
Chloride.....	12.31	0.35
Sulfate.....	35.80	0.75
Calcium.....	18.53	0.92
Magnesium.....	7.19	0.59
Potassium.....	2.81	0.07
Sodium.....	98.00	4.26
Major Cations.....		5.85
Major Anions.....		5.92
Cation/Anion Difference.....		0.57 %

* Replaces Lost Sample



2506 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: TM-1
LAB NO: F3795

DATE RECEIVED: 01/19/90
* DATE COLLECTED: 01/15/90

Trace metals by AA (Dissolved Concentration), mg/l

	Analytical Result:	Detection Limit:
Iron (Fe).....	14.45	<0.04

Trace metals by AA (Total Concentration), mg/l

	Analytical Result:	Detection Limit:
Iron (Fe).....	29.93	<0.04
Manganese (Mn).....	0.11	<0.02

C. Neal Schaeffer
Lab Director

* Replaces Last Sample

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: T-6
 Location: Trough-Spring
 Type: Spring
 Frequency: 4 Time/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	5.2	.5	1.25	.25	1.8
PH	7.9	8.1	7.9	8	7.975
Sp. Cond. [ohms]	900	990	990	1040	
Temp. [C]	4	4	6	6	5
Diss. O [ppm]	N/A	N/A	N/A	N/A	

Lab. Meas. [mg/l]

TDS	576	587	392	589	536
TSS	104	3.5	72	4	45.875
O & G	N/A	N/A	N/A	N/A	
Al CaCO3	325	353	238	349	316.250
Hd CaCO3	387	385	313	383	367
Ac CaCO3	<1	<1	0	0	
HCO3	397	431	271.72	425	381.180
CO3	0	0	9.22	0	
Cl	47	45	8.73	40.06	35.197
SO4	144	138	120	140.73	135.682
Ca	64	64	58.73	66.53	63.315
Mg	55	55	40.6	52.81	50.852
K	2	2	0	1.17	1.292
Na	70	72	12	78.6	58.150
Cat/An	.05%	1.40	.32	.30	0.517
Fe	<.05	<.05	.99	<.05	
Mn	<.02	<.02	.06	<.02	

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: T-10
 Location: E Trail Mt.
 Type: Spring
 Frequency: 4 Time/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	.2	DRY	.5	DRY	
PH	8.3		8.1		
Sp. Cond. [ohms]	480		910		
Temp. [C]	6		10		
Diss. O [ppm]	N/A		N/A		

Lab. Meas. [mg/l]					
TDS		402		396	
TSS		292		172	
O & G		N/A		N/A	
Al CaCO3		339		340	
Hd CaCO3		329		321	
Ac CaCO3		<1		0	
HCO3		414		414.6	
CO3		0		0	
Cl		27		28.39	
SO4		21		29.76	
Ca		49		57.93	
Mg		50		43.01	
K		2		0	
Na		36		12.00	
Cat/An		1.30		12	
Fe		<.02		.25	
Mn		.38		<.02	

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: T-14
 Location: Deep Draw
 Type: Spring
 Frequency: 4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/14/89	
Flow [gpm]	DRY	DRY	DRY	<.1	
PH				8.1	
Sp. Cond. [ohms]				1020	
Temp. [C]				6	
Diss. O [ppm]				N/A	

Lab. Meas. [mg/l]		
TDS		1047
TSS		28
O & G		N/A
Al	CaCO3	545.5
Hd	CaCO3	659
Ac	CaCO3	0
HCO3		665.51
CO3		0
Cl		59.47
SO4		325.91
Ca		71.59
Mg		116.81
K		4.21
Na		142.00
Cat/An		.22
Fe		.29
Mn		.16

WATER MONITORING REPORT

Property:	No. 9 Mine
Station:	T-14A
Location:	Deep Draw Upper
Type:	Spring
Frequency:	4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	.1	DRY	DRY	DRY	
PH	7.9				
Sp. Cond. [ohms]	640				
Temp. [C]	6				
Diss. O [ppm]	N/A				

Lab. Meas. [mg/l]	
TDS	469
TSS	NR
O & G	NR
Al CaCO3	286
Hd CaCO3	365
Ac CaCO3	<1
HCO3	349
CO3	0
Cl	13
SO4	130
Ca	67
Mg	48
K	1
Na	38
Cat/An	1.07
Fe	1.17
Mn	.03

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: T-15
 Location: Culvert Drop
 Type: Spring
 Frequency: 4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	1.4	.2	.25	.16	
PH	8.6	7.9	8.1	7.9	
Sp. Cond. [ohms]	650	520	900	610	
Temp. [C]	6	5	9	6	
Diss. O [ppm]	N/A	N/A	N/A	N/A	

Lab. Meas. [mg/l]					
TDS		360	397	394	405
TSS		848	94	488	106
O & G		N/A	N/A	N/A	N/A
Al	CaCO3	327	317	334	327
Hd	CaCO3	293	287	282	290.5
Ac	CaCO3	<1	<1	0	0
HCO3		379	386	388.84	372.69
CO3		10	0	9.22	13.09
Cl		43	43	40.4	33.74
SO4		33	22	36.48	30.45
Ca		36	38	37.30	38.74
Mg		49	47	45.88	47.15
K		1	2	0	1.69
Na		58	56	12	56.4
Cat/An		.00%	1.48	1.28	1.06
Fe		4.74	.27	1.28	.52
Mn		.23	.05	.08	.04

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: T-16
 Location: Trail Mt.
 Type: Spring
 Frequency: 4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	DRY	DRY	DRY	DRY	
PH					
Sp. Cond. [ohms]					
Temp. [C]					
Diss. O [ppm]					

Lab. Meas. [mg/l]
TDS
TSS
O & G
Al CaCO3
Hd CaCO3
Ac CaCO3
HCO3
CO3
Cl
SO4
Ca
Mg
K
Na
Cat/An
Fe
Mn

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: T-18
 Location: Old Portal
 Type: Spring
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	03/13/89	05/25/89	09/17/89	11/29/89	
Flow [gpm]	1.6	1.5	.55	6.9	
PH	7.8	8.5	7.9	8.0	
Sp. Cond. [ohms]	610	930	799	710	
Temp. [C]	3	4	6	4	
Diss. O [ppm]	N/A	N/A	N/A	N/A	

Lab. Meas. [mg/l]	Date Sampled				Mean	<i>Replaces Last Sample 1/15/90</i>
	03/13/89	05/25/89	09/17/89	11/29/89		
TDS	504	377.6	409	384		
TSS	-	9	2	2		
O & G	-	-	N/A	N/A		
Al CaCO3	245	240.5	253.44	250.58		
Hd CaCO3	321	20	337	328.41		
Ac CaCO3	<1	<1	0	0		
HCO3	277	257	309.20	305.71		
CO3	10	17.76	0	0		
Cl	9	6.48	9.91	6.96		
SO4	120	118.51	111.93	105.34		
Ca	58	17.52	70.74	69.90		
Mg	43	67.32	38.99	37.45		
K	4	3.81	4.17	3.85		
Na	22	21.40	21.5	21.2		
Cat/An	1.13	.16	64	1.24		
Fe	<.05	<.05	<.05	<.05		
Mn	<.02	<.02	<.02	<.02		



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CLIENT: Beaver Creek DATE REPORTED: 01/29/90
 SITE: T-18-Replace lost shipment DATE RECEIVED: 01/19/90
 LAB NO: F3793 DATE COLLECTED: 01/15/90

Lab pH (s.u.).....	7.86
Lab Conductivity, umhos/cm.....	687
Lab resistivity, ohm-m.....	14.5560
Total Dissolved Solids (180), mg/l..	384
Total Dissolved Solids (calc), mg/l.	395
Total Suspended Solids, mg/l.....	2
Settleable solids, ml/l.....	<0.1
Total Alkalinity as CaCO3, mg/l.....	250.58
Total Acidity as CaCO3, mg/l.....	0.00
Total Hardness as CaCO3, mg/l.....	328.41
Sodium Absorption Ratio.....	0.51
Fluoride, mg/l.....	0.401

	mg/l	meq/l
Bicarbonate as HCO3.....	305.71	5.01
Carbonate as CO3.....	0.00	0.00
Chloride.....	6.96	0.20
Sulfate.....	105.34	2.19
Calcium.....	69.90	3.49
Magnesium.....	37.45	3.08
Potassium.....	3.85	0.10
Sodium.....	21.20	0.92
Major Cations.....		7.59
Major Anions.....		7.40
Cation/Anion Difference.....		1.24 %

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: T-19
 Location: Straight Canyon
 Type: Stream
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	03/13/89	05/25/89	08/28/89	11/29/89	
Flow [gpm]	160	47	47	19.7	
PH	8.4	8	7.9	8	
Sp. Cond. [ohms]	900	560	1250	410	
Temp. [C]	2	6	10	0	
Diss. O [ppm]	9	N/A	N/A	N/A	

Lab. Meas. [mg/l]	Date Sampled				Mean
	03/13/89	05/25/89	08/28/89	11/29/89	
TDS	633	522	642	236	
TSS	-	43	325	69	
O & G	-	-	N/A	N/A	
Al CaCO3	309	322	319	201.96	
Hd CaCO3	365	342	359	210.52	
Ac CaCO3	<1	<1	0	0	
HCO3	374	347.58	332.76	246.39	
CO3	1	22.20	26.18	0	
Cl	49	42.12	49.56	8.03	
SO4	193	142.38	175.71	31.69	
Ca	47	14.33	38.74	42.95	
Mg	60	74.48	65.59	25.14	
K	2	1.77	3.82	1.2	
Na	97	85.20	90.70	49.3	
Cat/An	.09	.00	.08	.11	
Fe	<.05	<.05	<.05	.15	
Mn	<.02	<.02	<.02	.05	

1/15/90 Replaces Last Sample



2508 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: T-19
LAB NO: F3794

* DATE RECEIVED: 01/19/90
DATE COLLECTED: 01/15/90

Lab pH (s.u.).....	8.30
Lab Conductivity, umhos/cm.....	457
Lab resistivity, ohm-m.....	21.8818
Total Dissolved Solids (180), mg/l..	236
Total Dissolved Solids (calc), mg/l.	246
Total Suspended Solids, mg/l.....	69
Total Alkalinity as CaCO3, mg/l.....	201.96
Total Acidity as CaCO3, mg/l.....	0.00
Total Hardness as CaCO3, mg/l.....	210.52
Sodium Absorption Ratio.....	0.46
Ortho-Phosphate, mg/l.....	0.01
Fluoride, mg/l.....	0.18
Sulfide as H2S, mg/l.....	<0.1
Nitrate, mg/l.....	0.01
Nitrite, mg/l.....	<0.10
Ammonia, mg/l.....	0.18

	mg/l	meq/l
Bicarbonate as HCO3.....	246.39	4.04
Carbonate as CO3.....	0.00	0.00
Chloride.....	8.03	0.23
Sulfate.....	31.69	0.66
Calcium.....	42.95	2.14
Magnesium.....	25.14	2.07
Potassium.....	1.20	0.03
Sodium.....	15.50	0.67
Major Cations.....		4.92
Major Anions.....		4.93
Cation/Anion Difference.....		0.11 %

* Replaces Last Sample



2508 West Main Street
Farmington, New Mexico 87401
Tel. (505) 326-4737

CLIENT: Beaver Creek

DATE REPORTED: 01/29/90

SITE: T-19
LAB NO: F3794

* DATE RECEIVED: 01/19/90
DATE COLLECTED: 01/15/90

Trace metals by AA (Dissolved Concentration), mg/l

	Analytical Result:	Detection Limit:
Arsenic (As).....	0.0007	<0.0003
Cadmium (Cd).....	ND	<0.0002
Mercury (Hg).....	ND	<0.0002
Lead (Pb).....	ND	<0.004
Selenium (Se).....	ND	<0.0002

Trace metals by ICAP (Dissolved Concentration), mg/l

	Analytical Result:	Detection Limit:
Aluminum (Al).....	ND	<0.1
Boron (B).....	ND	<0.01
Barium (Ba).....	ND	<0.5
Chromium (Cr).....	ND	<0.02
Copper (Cu).....	ND	<0.01
Iron (Fe).....	0.15	<0.05
Manganese (Mn).....	0.05	<0.02
Molybdenum (Mo).....	ND	<0.02
Nickel (Ni).....	ND	<0.01
Zinc (Zn).....	0.03	<0.01

C. Neal Schaeffer
Lab Director

* Replaces Lost Sample

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: TM-21
 Location: Trail Mt. Trough
 Type: Spring
 Frequency: 4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/28/89	09/17/89	
Flow [gpm]	.76	.2	.25	.2	
PH	8.2	7.8	7.9	7.8	
Sp. Cond. [ohms]	710	500	884	770	
Temp. [C]	4	5	11	5	
Diss. O [ppm]	N/A	N/A	N/A	N/A	

Lab. Meas. [mg/l]

TDS	310	416	416	402
TSS	2	.5	20	2
O & G	NR	N/A	N/A	N/A
Al CaCO3	349	343	334	339
Hd CaCO3	262	273	259	263
Ac CaCO3	<1	<1	<1	<1
HCO3	426	418	407.58	413
CO3	0	0	0	0
Cl	35	33	35.49	29.74
SO4	15	17	18.72	13.58
Ca	7	58	64.28	60.64
Mg	59	51	24.2	27.2
K	2	2	0	2.23
Na	64	63	12.00	65.1
Cat/An	1.41	.49	1.01	1.61
Fe	.03	<.05	<.05	<.05
Mn	.01	<.02	<.02	<.02

WATER MONITORING REPORT

Property: No. 9 Mine
 Station: TM-22
 Location: Trough
 Type: Spring
 Frequency: 4 Times/Year

Field Measurements	Date Sampled				Mean
	06/27/89	07/19/89	08/20/89	09/17/89	
Flow [gpm]	1.2	.2	.75	.56	
PH	8.2	7.8	7.9	7.8	
Sp. Cond. [ohms]	540	240	745	410	
Temp. [C]	6	4	9	5	
Diss. O [ppm]	NR	NR	NR	NR	

Lab. Meas. [mg/l]

TDS	288	350	338	325
TSS	2	16	20	4
O & G	NR	NR	NR	NR
Al CaCO3	329	333	311	305
Hd CaCO3	312	319	274	295
Ac CaCO3	<1	<1	<1	<1
HCO3	401	406	379.47	372.69
CO3	0	0	0	0
Cl	11	12	9.28	9.91
SO4	13	19	18.24	14.40
Ca	107	59	61.11	61.48
Mg	11	42	29.51	34.37
K	1	2	0	1.24
Na	19	20	12	20.40
Cat/An	.42	.54	.78	.92
Fe	.06	<.05	<.05	.06
Mn	<.05	<.02	<.02	<.02

WATER MONITORING REPORT

Property: BCCC #9 Mine
 Station: TM-23
 Location: Cottonwood Canyon
 Type: Spring
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	03/13/89	05/25/89	08/25/89	00/00/89	
Flow [gpm]	21.5	18.5	4		
PH	8	7.9	7.2		
Sp. Cond. [ohms]	610	610	750		
Temp. [C]	2	4	8		
Diss. O [ppm]	N/A	N/A	N/A		

Lab. Meas. [mg/l]

TDS	434	286	390	
TSS	N/A	3	184	
O & G	N/A	N/A	NR	
Al CaCO3	331	303	309	
Hd CaCO3	354	340	341	
Ac CaCO3	<1	<1	<1	
HCO3	404	367	377.13	
CO3	0	0	0	
Cl	12	12.96	15.29	
SO4	36	55.14	59.04	
Ca	70	7.17	77.77	
Mg	43	78.44	35.8	
K	2	1.55	0	
Na	18	16	12	
Cat/An	1.22	.25	.89	
Fe	<.05	<.05	1.15	
Mn	.03	<.02	.09	

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



January 31, 1990

Donald A. Hilden, Ph.D., Chief
Permits and Compliance Section
Bureau of Water Pollution Control
Utah Division of Environmental Health
288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690

Dear Mr. Hilden:

Enclosed Please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's UPDES Permit Numbers UTG040003, UTG040004, and UTG040005. These were formally NPDES Permits UT-0023728, UT-0023124 and UT-0023949, respectively. Former permit numbers UT-0023116 and UT-0023060 have now been cancelled. These reports are on the preprinted DMRs provided by the State of Utah, and cover the fourth quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

Dan W. Guy
Mgr. Permitting/Compliance

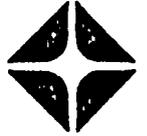
DWG/nc

Enclosures

cc: Donna Franklin, E.P.A.
Lowell Braxton, UDGOM
File

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



January 31, 1990

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, CO 80202-2405

Dear Ms. Franklin:

Enclosed Please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's UPDES Permit Numbers UTG040003, UTG040004, and UTG040005. These were formally NPDES Permits UT-0023728, UT-0023124 and UT-0023949, respectively. Former permit numbers UT-0023116 and UT-0023060 have now been cancelled. These reports are on the preprinted DMRs provided by the State of Utah, and cover the fourth quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

Dan W. Guy
Mgr. Permitting/Compliance

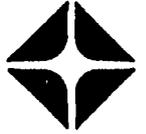
DWG/nc

Enclosures

File 4-E-2-1

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



January 31, 1990

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

Dear Mr. Braxton:

Enclosed Please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's UPDES Permit Numbers UTG040003, UTG040004, and UTG040005. These were formally NPDES Permits UT-0023728, UT-0023124 and UT-0023949, respectively. Former permit numbers UT-0023116 and UT-0023060 have now been cancelled. These reports are on the preprinted DMRs provided by the State of Utah, and cover the fourth quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

A handwritten signature in cursive script, appearing to read "Dan W. Guy".

Dan W. Guy
Mgr. Permitting/Compliance

DWG/nc

Enclosures

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if different)
 NAME: RFB) CREEK COAL-TRAIL MT.
 ADDRESS: P.O. BOX 1378
 PRICE: UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)

DTG040003 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND OUTFALL TO CREEK CRK

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
89	10	01		89	10	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

FACILITY: _____
 LOCATION: _____

MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***	ONCE/	MONTH	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	9.0	***	TWICE/GRAB	MONTH	
SOLIDS, TOTAL SUSPENDED		*****	*****		*****						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70	***	ONCE/GRAB	MONTH	
SOLIDS, SETTLEABLE		*****	*****		*****						
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	***	ONCE/GRAB	MONTH	
OIL AND GREASE FREQN EXTR-GRAV METH		*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10	***	ONCE/GRAB	MONTH	
IRON, TOTAL (AS FE)		*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0	***	ONCE/GRAB	MONTH	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL		*****			*****	*****	*****				
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	***	ONCE/VISUAL	MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/ Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-5050
 DATE: 90 01 15
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local) (if different)
 NAME BEA CREEK COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE DP 84501

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

(2-1) UT5040065 (17-19) 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEND POND DRELL TO CTR AND CRK

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	87	10	01		87	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

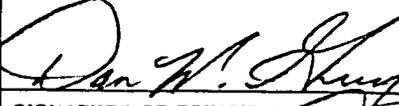
MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMNT 45614 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 DAILY MX NO=0	*****	*****	*****	***		ONCE/ VISUAL MONTH	
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS 93LO4	SAMPLE MEASUREMENT	*****			*****	*****					
	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DT	*****	*****	REPORT DAILY MX MG/L	***		ONCE/ GRAB MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 637-5050 90 01 15
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BEA COPPER COAL-TRAIL MT.
 ADDRESS P.O. BOX 1379
PRICE UT 84501

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

UTG040003 (2-1) 001 A (17-19)
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND DIFLL TO STLAND CRK

FACILITY LOCATION
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	11	31		89	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	SD	TRICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****					
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	ML/L	ONCE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
PERON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10		ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0		ONCE/MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	PERMIT REQUIREMENT	*****	*****	YES=1 NO=0	*****	*****	*****	***	ONCE/MONTH	VISUAL
45613 1 0 0 EFFLUENT GROSS VALUE										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 637-5050 90 01 15
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local (if different))
 NAME BRAL COPPER COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT6346003 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND DTPLL TO CTTMWD CRK

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

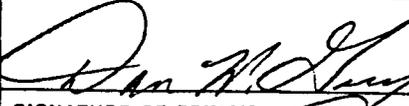
MONITORING PERIOD
 FROM YEAR 89 MO 11 DAY 01 TO YEAR 89 MO 11 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMNT 45614 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 DAILY MX NO=0	*****	*****	*****	****	ONCE/	VISUAL	
SOLIDS, TOTAL DISSOLVED 70295 0 0 0	SAMPLE MEASUREMENT	*****			*****	*****					
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX MG/L	****	ONCE/	GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 601 637-5050
 DATE 90 01 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PEP DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME REAR CREEK COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT 24501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-) (17-19)

UTG040003 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND DTFLL TO STTNED COK

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
89	12	31		89	12	31
(20-21)		(22-23)		(24-25)		(26-27)
						(28-29)
						(30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		17,280	17,280		*****	*****	*****			ONCE/MONTH	MEASRD
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***		ONCE/MONTH	MEASRD
P4	SAMPLE MEASUREMENT	*****	*****		888888	*****	8.15				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	9.0			TWICE/GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	***	DAILY MX	54	DAILY MX	50			
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70			ONCE/GRAB	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	*****				
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5			ONCE/GRAB	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	*****				
FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10			ONCE/GRAB	
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	0.41				
IRON, TOTAL (AS FS)	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0			ONCE/GRAB	
01345 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	YES=1	*****	*****	*****				
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	PERMIT REQUIREMENT	*****	0	NO=0	*****	*****	*****			ONCE/VISUAL	
45613 1 0 0 EFFLUENT GROSS VALUE											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Mgr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 637-5050
 DATE 90 01 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME REAR CREEK COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT 64501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (17-19)

WY0040005
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
 SED POND OUTFALL TO STEINARD CREEK

FACILITY _____
 LOCATION _____
 ATTN: DAN W. GUY, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	12	31		89	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (38-39)	AVERAGE (40-41)	MAXIMUM (42-43)	UNITS (44-45)			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0	*****		0	YES=1 NO=0	*****	*****	*****			ONCE/MONTH	VISUAL
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	DAILY MK		*****	*****	*****	***		ONCE/MONTH	
SOLIDS, TOTAL DISSOLVED 70295 0 0 0	*****		394	LBS/DY	*****	*****	394			ONCE/3 MONTH	YEAR
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000	DAILY MK	*****	*****	REPORT DAILY MK	MG/L		ONCE/3 MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT		0								
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-5050
 DATE: 90 01 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))
 NAME **BEA COFFEE COAL-TRAIL MT.**
 ADDRESS **P.O. BOX 1378**
PRICE **MT 84501**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) **0004000** (17-19) **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 MINE WATER OUTFALL TO CROWN CRK

FACILITY _____
 LOCATION _____

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	10	01		89	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****		ONCE/MONTH	GRAB
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	GRAB
PH		*****	*****	****	6.5	*****	9.0		THREE/TWICE/GRAB MONTH	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	DAILY MX	*****	DAILY MX	ST		
SOLIDS, TOTAL SUSPENDED		*****	*****	****	*****	25	70		ONCE/GRAB MONTH	
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	30 DA AV	DAILY MX	MG/L		
SOLIDS, SETTLEABLE		*****	*****	****	*****	*****	*****		ONCE/GRAB MONTH	
00545 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5	DAILY MX	ML/L	
OIL AND GREASE		*****	*****	****	*****	*****	*****		ONCE/GRAB MONTH	
PFON EXTR-GRAB METH		*****	*****	****	*****	*****	10		ONCE/GRAB MONTH	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	DAILY MX	MG/L		
IRON, TOTAL (AS FE)		*****	*****	****	*****	*****	*****		ONCE/GRAB MONTH	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2.0	DAILY MX	MG/L	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL		*****	*****	YES=1	*****	*****	*****	****	ONCE/VISUAL MONTH	
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	NO=0	*****	*****	*****	****		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Cpmpliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 | 637 5050
 DATE: 90 | 01 | 30
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BEA CREEK COAL-TRAIL MT.
 ADDRESS 20 BOX 1378
 PRICE DT 94501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 47604000 PERMIT NUMBER
 002 A DISCHARGE NUMBER

F - FINAL
 MINE WATER OUTFALL TO CREEK CRK

FACILITY
 LOCATION
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD
 FROM YEAR 89 MO 10 DAY 01 TO YEAR 89 MO 10 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
SANITARY WASTE DISCHARGED-ASSESSMNT 45514 1 0 0 EFFLUENT GROSS VALUE	***** *****	*****	*****	YES=1 DAILY MX NO=0	*****	*****	*****	*****	ONCE/MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	***** *****	*****	2000 DAILY MX	LBS/DY	*****	*****	REPORT DAILY MX	MG/L	ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Ingr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 637 5050
 DATE
 90 01 30
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME RELI TRIFF COIL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE MT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
DTG040001 002 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 MINE WATER OUTFALL TO CTINWD CRK

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	11	01		89	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

FACILITY LOCATION
 AIN: DAN. W. GUY, MANAGER

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	***		ONCE/	YEAR/D
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	0.0	***		TWICE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70	***		ONCE/	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	30 DA AV	DAILY MX	MG/L			
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	***		ONCE/	GRAB
OIL AND GREASE FREEN EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10	***		ONCE/	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0	***		ONCE/	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	*****	0		*****	*****	*****				
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1	*****	*****	*****	***		ONCE/	VISUAL
			DAILY MX	NO=0				***			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	637-5050	90	01	30
AREA CODE	NUMBER	YEAR	MO	DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME REAL COFFEE CORAL-TRAIL, ET.
 ADDRESS P.O. BOX 1379
PRICE UT 89501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)

HTG240003
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL
 MINE WATER OUTFALL TO CITRINO CRK

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
89	11	01		89	11	30	
(20-21)		(22-23)		(24-25)		(26-27)	
		(28-29)		(30-31)			

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	DAILY MX	*****	*****	*****	***		ONCE/MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0	SAMPLE MEASUREMENT	*****			*****	*****					
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Mgr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-5050
 DATE: 90 01 30
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location) (different)
 NAME REAL CRDFE COAL-TRELL MT.
 ADDRESS 2. BOX 1378
 PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)

UTG040003 PERMIT NUMBER
 002 A DISCHARGE NUMBER

F - FINAL
 MINE WATER OTPLL TO CTINWD CRK

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	12	01		89	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***		ONCE/ MONTH	SEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	50		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 P. 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25 30 DA AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	*****			*****	*****	*****				
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		YES=1	*****	*****	*****	***		ONCE/ MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	637-5050	90	01	30
AREA CODE	NUMBER	YEAR	MO	DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT DOES NOT APPLY IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BEA DEER CREEK TRAIL PT.
 ADDRESS 20. BOX 1379
PT 84501

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

UTG040003 002 1
 PERMIT NUMBER DISCHARGE NUMBER

P - FINAL
 MINE WATER OFFLL TO CRAINWD CRK

MONITORING PERIOD

FROM YEAR 89 MO 12 DAY 31 TO YEAR 89 MO 12 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SAKITARY WASTE DISCHARGED-ASSESSMNT 45614 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	DAILY MX	*****	*****	*****	***	ONCE/	VISUAL	
SOLIDS, TOTAL DISSOLVED 70295 0 0 0	SAMPLE MEASUREMENT	*****			*****	*****					
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX MG/L	***	ONCE/	GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 637-5050 DATE 90 01 30
 AREA CODE NUMBER YEAR MO DAY

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



October 26, 1989

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500
Denver, CO 80202-2405

WM-C
WM-C

Dear Ms. Franklin:

Enclosed Please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's UPDES Permit Numbers UTG040003, UTG040004, and UTG040005. These were formally NPDES Permits UT-0023728, UT-0023124 and UT-0023949, respectively. Former permit numbers UT-0023116 and UT-0023060 have now been cancelled. These reports are on the preprinted DMRs provided by the State of Utah, and cover the third quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

Dan W. Guy
Mgr. Permitting/Compliance

DWG/cr

Enclosures

File 4-E-2-1

BEAVER CREEK Coal Company

WTRMON
Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



October 26, 1989

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

Dear Mr. Braxton:

Enclosed Please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's UPDES Permit Numbers UTG040003, UTG040004, and UTG040005. These were formally NPDES Permits UT-0023728, UT-0023124 and UT-0023949, respectively. Former permit numbers UT-0023116 and UT-0023060 have now been cancelled. These reports are on the preprinted DMRs provided by the State of Utah, and cover the third quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

Dan W. Guy
Mgr. Permitting/Compliance

DWG/cr

Enclosures

PERMITTEE NAME: PEEL
 ADDRESS: P.O. BOX 1378
 CITY: PEEL
 STATE: MISSISSIPPI
 ZIP: 39501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)

PERMIT NUMBER: HFG040005
 DISCHARGE NUMBER: 001 A

F - FINAL
 SEC POND STELL TO STA 0 CRK

FACILITY: _____
 LOCATION: _____

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	07	31		89	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN. W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS (46-53)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (60-61)	AVERAGE (62-63)	MAXIMUM (64-65)				
FLOW RATE		NO D	DISCHARGE		*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX GPD		*****	*****	*****	***		ONCE/MONTH	BASED
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	50		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****				
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25 30 DA AV	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****				
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
OIL AND GREASE FREQN EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	*****			*****	*****	*****				
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0 DAILY MX	YES=1 NO=0	*****	*****	*****	***		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:
 DAN W. GUY
 Mgr. Permitting Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: *Dan W. Guy*

TELEPHONE: 801/137-5750
 DATE: 89/10/26
 AREA CODE: 801
 NUMBER: 137-5750
 YEAR: 89
 MO: 10
 DAY: 26

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
 TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME EEB CREEK COAL-TRAIL MT.
 ADDRESS P.O. BOX 137P
PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
UTG0400 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEE POND DTFLL TO STA 9 CRK

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	07	01		89	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMNT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****				
	PERMIT REQUIREMENT	*****		YES=1 NO=0	*****	*****	*****	*** ***		ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****					
	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX MG/L	*** ***		ONCE/ MONTH	GRN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Mgr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 901 137-5150
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local Authority if different)
 NAME RFI CDEFF COAL-TAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2) (17-19)
UT6040 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEND FOND STILL TO ST. OF ORK

MONITORING PERIOD
 FROM YEAR 89 MO 06 DAY 01 TO YEAR 89 MO 05 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	CPD	*****	*****	*****	***	ONCE/ MONTH	HEARD
PH		*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	9.0	***	TWICE/ GRAB MONTH	SU
SOLIDS, TOTAL SUSPENDED		*****	*****		*****					
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70	***	ONCE/ GRAB MONTH	MG/L
SOLIDS, SETTLEABLE		*****	*****		*****					
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	***	ONCE/ GRAB MONTH	ML/L
OIL AND GREASE FREDN EXTR-GRAY METH		*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10	***	ONCE/ GRAB MONTH	MG/L
IRON, TOTAL (AS FE)		*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0	***	ONCE/ GRAB MONTH	MG/L
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL		*****			*****	*****	*****			
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		YES=1 DAILY MX (N=0)	*****	*****	*****	***	ONCE/ VISUAL MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Mgr. Permitting/Compliance
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY KNOWLEDGE 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801-630-5050
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local if different)
 NAME DEA SPOON COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE 07 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-) (17-19)
0760400 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND OFFLL TO ST P CRK

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
89	08	01		89	08	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SANITARY WASTE DISCHARGED-ASSESSMNT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****			
	PERMIT REQUIREMENT	*****	0	DAILY MX YES=1 NO=0	*****	*****	*****	0000	ONCE/MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 76295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****				
	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Mr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 814 637-5150
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PER CREEK COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT #4501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
00000000 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEND POND OFFICE TO STATE DEPT

MONITORING PERIOD
 FROM YEAR 89 MO 09 DAY 01 TO YEAR 89 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY
 LOCATION
 ATTN: DAN. W. GUY, MANAGER

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***	ONCE/MONTH	YEAR
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	50	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****					
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25	70		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.5 DAILY MX	ML/L	ONCE/MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	*****			*****	*****	*****			
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		YES=1 NO=0	*****	*****	*****	***	ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Mgr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 137-5150 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local different)
 NAME BEI CHICK COAL-TRAIL MT.
 ADDRESS P.O. BOX 1378
PRICE UT 04501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
01604000 001 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SED POND OUTFALL TO ST. AND C&K

FACILITY _____
 LOCATION _____
 ATTN: DAN. W. GUY, MANAGER

MONITORING PERIOD
 FROM YEAR 89 MO 09 DAY 01 TO YEAR 89 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****			
	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	*** ****	ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****				
	PERMIT REQUIREMENT	*****	2000	LBS/DT	*****	*****	REPORT DAILY *X	MC/L	ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Asst Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 637-5050
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME (ADDRESS (Include Facility Name/Location if different))
 NAME PER: CREEK COLL-TREAT MT.
 ADDRESS: 0, 0Y 127A
 PHONE: 01 04501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
 WTC0400 000 1
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 89 07 01 89 07 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

P - FINAL
 WIND WATER OF FLL TO NYD CRK
 MINOR
 NOTE: Read instructions before completing this form.

FACILITY LOCATION
 ATTN: DAN W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		No Discharge			*****	*****	*****				
00056 1 0 0 EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GDD	*****	*****	*****	***	ONCE/ MONTH	ASRD	
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	***	TWICE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	25 30 DA AV	70 DAILY MX	MG/L	ONCE/ MONTH	GRAB	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	MG/L	ONCE/ MONTH	GRAB	
OIL AND GREASE FREDN EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	MG/L	ONCE/ MONTH	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0 DAILY MX	MG/L	ONCE/ MONTH	GRAB	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	*****			*****	*****	*****				
45613 1 0 0 EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	*****	0	YFS=1	*****	*****	*****	***	ONCE/ MONTH	VISUAL	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 DAN W. GUY
 Mgr. Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 Dan W. Guy

TELEPHONE DATE
 AREA CODE NUMBER YEAR MO DAY
 801 452 500 89 10 26

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME DELA CORAL COAL-TREATMENT
 ADDRESS P.O. BOX 1378
PRICE NY 64501

FACILITY _____
 LOCATION _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (12-16) (17-19)
 WDC000004
 PERMIT NUMBER
 000 A
 DISCHARGE NUMBER

P - FINAL
 NINE WATER TREAT TO OCEAN AND CRY

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
 89 07 01 TO 89 07 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR
 NOTE: Read instructions before completing this form.

ATTN: DAN W. GUY, MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
SANITARY WASTE DISCHARGED-ASSESSMENT 45014 1 0 0 PERMIT CROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****						
	PERMIT REQUIREMENT	*****	DAILY NY	YES=1 NO=0	*****	*****	*****	****			ONCE/MONTH	VISUAL	
SOLIDS, TOTAL DISSOLVED 70795 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****							
	PERMIT REQUIREMENT	*****	2000 DAILY NY	1 LB/DY	*****	*****	REPORT DAILY NY	MG/L			ONCE/MONTH	CFAR	
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Area Permitting Supervisor
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
901 657-5050
 AREA CODE NUMBER

DATE
89 10 26
 YEAR MO DAY

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

TSS IS LIMITED TO ONE PPM PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME: DELAWARE COLLEGE
 ADDRESS: 100 N. 1279
 PRICE: UT 04501

FACILITY _____
 LOCATION _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)

PERMIT NUMBER: 00095
 DISCHARGE NUMBER: 002 E

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
89 08 01 TO 89 08 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FINAL
 FINE WATER TREATMENT PLANT

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE 00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<i>No Discharge</i>			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	***	ONCE/	WASRD
		30 DAY	DAILY	MGD				***	MONTH	
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	9.0		TWICE/	GRAB
				***	DAILY		DAILY		MONTH	
SOLIDS, TOTAL SUSPENDED 00530 P 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	***	*****	25	70		ONCE/	GRAB
				***		30 DAY	DAILY		MONTH	
SOLIDS, SETTLEABLE 00545 P 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5		ONCE/	GRAB
				***			DAILY		MONTH	
OIL AND GREASE FROM EXTP-GRAB METH 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10		ONCE/	GRAB
				***			DAILY		MONTH	
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0		ONCE/	GRAB
				***			DAILY		MONTH	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL 05613 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****			
	PERMIT REQUIREMENT	*****		YES=1	*****	*****	*****	***	ONCE/	VISUAL
				NO=0				***	MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Area Permitting Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-5050
 DATE: 89 10 26

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

TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Local (if different))
 NAME DEE GREEN COAL-TREAT CO.
 ADDRESS 0 204 1370
 PRICE UT 04501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
 PERMIT NUMBER HT000013
 DISCHARGE NUMBER 002 2

F - FINAL
 MINE WATER OFFLL TO DRYWAD CRK

FACILITY _____
 LOCATION _____
 STATE: DE. CITY: MANAGER

MONITORING PERIOD
 FROM YEAR 99 MO 08 DAY 31 TO YEAR 99 MO 31 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SANITARY WASTE DISCHARGED-ASSESSMENT 05614 1 0 0 EFFLUENT CROSS VALVE	SAMPLE MEASUREMENT	*****			*****	*****	*****			
	PERMIT REQUIREMENT	*****		YES=1 DAILY BY NO=0	*****	*****	*****	***	ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****				
	PERMIT REQUIREMENT	*****	2000	DAILY BY LBS/DY	*****	*****	REPORT DAILY BY MG/L	***	ONCE/ MONTH	LAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
NCR Permitting Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801/330-0000
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE FOW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location) (different)
 NAME PELL CREEK COLL-TAIL MT.
 ADDRESS P.O. BOX 137P
PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 HT5000003 PERMIT NUMBER
 000 E DISCHARGE NUMBER

5 - FINAL
 MINE WATER OFFLL TO STINWD CRK

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	09	01		89	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE 00056 1 0 0 EFFLUENT CROSS VALUE	No Discharge	REPORT	REPORT	GPD	*****	*****	*****	***	ONCE/MONTH	ASRD
PH 00400 1 0 0 EFFLUENT CROSS VALUE	*****	*****	*****	*****	5.5	*****	9.0	***	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 P 0 0 SEE COMMENTS BELOW	*****	*****	*****	*****	*****	25	70	***	ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE 00545 R 0 0 SEE COMMENTS BELOW	*****	*****	*****	*****	*****	*****	2.5	***	ONCE/MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH 00556 1 0 0 EFFLUENT CROSS VALUE	*****	*****	*****	*****	*****	*****	10	***	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT CROSS VALUE	*****	*****	*****	*****	*****	*****	2.0	***	ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL 45613 1 0 0 EFFLUENT CROSS VALUE	*****	*****	TSS=1	*****	*****	*****	*****	***	ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
Nce Permitting Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 901 630-5151
 DATE
 89 10 26
 AREA CODE NUMBER YEAR MO DAY

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

THIS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BEI COFFEE COAL-TREAT MT.
 ADDRESS 200 40Y 137B
 PRICE UT 64501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-1) (17-19)
 475040004
 PERMIT NUMBER
 002 1
 DISCHARGE NUMBER

F - FINAL
 MINE WATER OFFELL TO CANNED CRK

FACILITY _____
 LOCATION _____
 ATTN: DAN W. GUY, P&A/CORP

MONITORING PERIOD
 FROM YEAR 89 MO 09 DAY 01 TO YEAR 89 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****	*****	*****			
	PERMIT REQUIREMENT	*****		YES=1 DAILY MX NO=0	*****	*****	*****	***	ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****			*****	*****				
	PERMIT REQUIREMENT	*****	2000	DAILY MX LBS/DY	*****	*****	REPORT DAILY MX MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DAN W. GUY
MR Permitting Compliance
 TYPED/OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

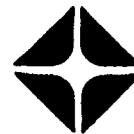
Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 808 482 5750
 DATE 89 10 26
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TDS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE POW.

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



September 18, 1989

Mr. Steve McNeil
Utah Department of Health
Bureau of Water Pollution Control
P.O. Box 16690
Salt Lake City, Utah 84116-0690

RE: UPDES Permit UTG04003 (001)
(Formally NPDES UT-0023728)
Beaver Creek Coal Company
Trail Mountain No.9 Mine

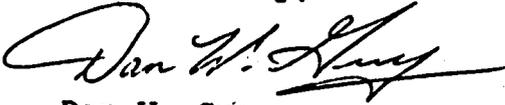
Dear Mr. McNeil:

Pursuant to our phone conversation earlier today, Beaver Creek Coal Company is herein providing written notification of an incident of noncompliance on Permit UTG 04003 (formally NPDES UT-0023728), location 001. The non-compliance resulted from a recent inspection, during which a discrepancy was noted between the oil and grease quantity on the report and the lab sheet. Upon closer examination, it was discovered that the lab result was 14.2 mg/l for oil and grease, and 8.0 had been typed in the NPDES report. Apparently, the 8.0 quantity for T.S.S. had been transposed to the oil and grease section on the report. A revised report is enclosed with this letter.

The 14.2 mg/l value for oil and grease represents noncompliance for that parameter. The pond was being discharged in preparation for sediment cleaning. During the cleaning process, it was discovered that the oil skimming device on the primary overflow had become dislodged and was not operable. This is apparently what caused the exceedence in the oil and grease parameter. The skimmer has been replaced, and the pond was cleaned; therefore, the problem has been corrected, and no further exceedences are expected.

If you have any questions, or need any further information, please let me know.

Respectfully,

A handwritten signature in cursive script, appearing to read "Dan W. Guy".

Dan W. Guy
Mgr. Permitting/Compliance

cc: U.S.E.P.A.
Utah Division of Oil Gas & Mining
Johnny Coffey
File

NAME Fer Creek Coal Company
 ADDRESS Box 1378
Price, Utah 84501
 FACILITY Trail Mt. Coal #9 Mine
 LOCATION Emery County, Trail Creek

L J023728
 PERMIT NUMBER

001
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
89	04	01	TO	89	06	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAM TYP (69-7)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE [GALLONS PER DAY] 00056	SAMPLE MEASUREMENT	501,120	501,120	GPD						
	PERMIT REQUIREMENT									
SOLIDS, TOTAL SUSP. 00530	SAMPLE MEASUREMENT			KG/DA	8.0	8.0	8.0			
	PERMIT REQUIREMENT					25	30			
IRON, TOTAL [AS FE] 01045	SAMPLE MEASUREMENT				.10	.10	.10			
	PERMIT REQUIREMENT						2.0			
ALKALINITY, [TOTAL As CaCO3] 00410	SAMPLE MEASUREMENT				248	248	248			
	PERMIT REQUIREMENT									
ACIDITY, [TOTAL As CaCO3] 00485	SAMPLE MEASUREMENT				1	1	1			
	PERMIT REQUIREMENT									
SOLIDS, TOTAL DISS. 70300	SAMPLE MEASUREMENT				480	480	480			
	PERMIT REQUIREMENT						650			
OIL & GREASE, TOTAL 00556	SAMPLE MEASUREMENT				14.2	14.2	14.2			
	PERMIT REQUIREMENT						10			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 537-5050
 DATE
 89 07 22
 AREA CODE NUMBER YEAR MO DA

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

REVISED 89 09 18

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



July 31, 1989

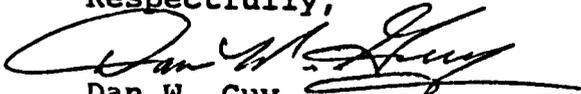
Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, CO 80202-2405

Dear Ms. Franklin:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the second quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,


Dan W. Guy
Manager of Permits and Compliance

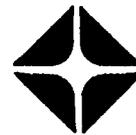
DWG/cr

Enclosures

File 4-E-2-1
WTRMON

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



July 31, 1989

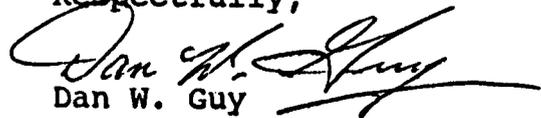
Mr. Fred Pehrson
Utah Division of Environmental Health
Water Quality Section
P.O. Box 2500, Suite 350
150 West North Temple
Salt Lake City, Utah 84110-2500

Dear Mr. Pehrson:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the second quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,


Dan W. Guy
Manager of Permits and Compliance

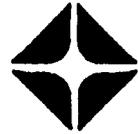
DWG/cr

Enclosures

File 4-E-2-1
WTRMON

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



July 31, 1989

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

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the second quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

A handwritten signature in black ink, appearing to read "Dan W. Guy".

Dan W. Guy
Manager of Permits and Compliance

DWG/cr

Enclosures

File 4-E-2-1
WTRMON

NAME Trail Creek Coal Company
 ADDRESS P.O. Box 1378
Price, Utah 84501
 FACILITY Trail Mt. Coal #9 Mine
 LOCATION Emery County, Trail Creek

UT 0023728
 PERMIT NUMBER

001
 DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
89	04	01	89	06	30

FROM (20-21) (22-23) (24-25) TO (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLING TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE [GALLONS PER DAY] 00056	SAMPLE MEASUREMENT	501,120	501,120	GPD							
	PERMIT REQUIREMENT										
SOLIDS, TOTAL SUSP. 00530	SAMPLE MEASUREMENT			KG/DA	8.0	8.0	8.0				
	PERMIT REQUIREMENT					25	30	MG/L			
IRON, TOTAL [AS FE] 01045	SAMPLE MEASUREMENT				.10	.10	.10				
	PERMIT REQUIREMENT						2.0	MG/L			
ALKALINITY, [TOTAL As CaCO3] 00410	SAMPLE MEASUREMENT				248	248	248				
	PERMIT REQUIREMENT							MG/L			
ACIDITY, [TOTAL As CaCO3] 00485	SAMPLE MEASUREMENT				1	1	1				
	PERMIT REQUIREMENT							MG/L			
SOLIDS, TOTAL DISS. 70300	SAMPLE MEASUREMENT				480	480	480				
	PERMIT REQUIREMENT						650	MG/L			
OIL & GREASE, TOTAL 00556	SAMPLE MEASUREMENT				8	8	8				
	PERMIT REQUIREMENT						10	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Mngr. Permitting/Compliance
 TYPED OR PRINTED

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.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER: 801 537-5050
 DATE: 89 07 22
 AREA CODE: 801

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

PERMITTEE NAME/ADDRESS (Include Facility Name if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)

Form Approved
EPA Form No. 2040-0004
Approval expires 9-30-

NAME Bear Creek Coal Company
ADDRESS P.O. Box 1378
Price, Utah 84501

UT 0023728
PERMIT NUMBER

002
DISCHARGE NUMBER

FACILITY Trail Mountain Mine
LOCATION Emery Country, Utah

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	04	01		89	06	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLI TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)			
FLOW RATE [GALLONS PER DAY] 00056	NO DISCHARGE										
SOLIDS, TOTAL SUSP [SUSPENDED] 00530											
IRON, TOTAL [AS FE] 01045											
SOLIDS, TOTAL DISS [DISSOLVED] 70300											
OIL-GREASE-TOTAL 00556											
PH, FIELD 00400											
SOLIDS, SETTEABLE 00545											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Mngr. Permitting/Compliance
TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)

Dan W. Guy
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
801 637-5050
AREA CODE NUMBER
DATE
89 07 22
YEAR MO DAY

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

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



May 3, 1989

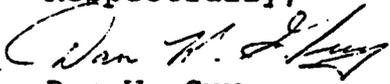
Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, CO 80202-2405

Dear Ms. Franklin:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the first quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,


Dan W. Guy
Manager of Permits and Compliance

DWG/cr

Enclosures

File 4-E-2-1
WTRMON

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



May 3, 1989

Mr. Fred Pehrson
Utah Division of Environmental Health
Water Quality Section
P.O. Box 2500, Suite 350
150 West North Temple
Salt Lake City, Utah 84110-2500

Dear Mr. Pehrson:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the first quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,

Dan W. Guy
Manager of Permits and Compliance

DWG/cr

Enclosures

File 4-E-2-1
WTRMON

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



May 3, 1989

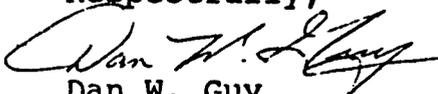
Mr. Lowell Braxton, Administrator
Utah Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Beaver Creek Coal Company's NPDES Discharge Permit Numbers UT-0023949, UT-023116, UT-0023124, UT-0023060 and UT-0023728. These reports cover the first quarter of 1989.

If you have any questions or need any additional information, please contact me.

Respectfully,


Dan W. Guy
Manager of Permits and Compliance

DWG/cr

Enclosures

File 4-E-2-1
WTRMON

Facility Name/Location if different
 NAME BE R CREEK COAL COMPANY
 ADDRESS P.O. BOX 1378
PRICE, UTAH 84501

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

Form Approved
 No. 2040-0004
 valid expires 9-30-85

UT0000728 (2)
 PERMIT NUMBER

001 (17-19)
 DISCHARGE NUMBER

FACILITY TRAIL MOUNTAIN MINE
 LOCATION EMERY COUNTY

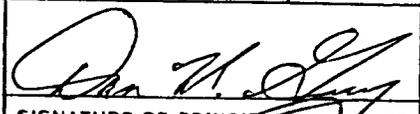
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	01	01		89	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
		NO DISCHARGE									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Manager Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
801 | 637-5050

DATE
89 | 04 | 17

AREA CODE | NUMBER | YEAR | MO | DAY

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

NAME BE. B CREEK COAL COMPANY
 ADDRESS P.O. BOX 1378
PRICE, UTAH 84501

UT 0023728 (2-11) 002 (17-19)
 PERMIT NUMBER DISCHARGE NUMBER

FACILITY TRAIL MOUNTAIN MINE
 LOCATION EMERY COUNTY

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	89	01	01		89	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
SAMPLE MEASUREMENT		NO DISCHARGE											
PERMIT REQUIREMENT													
SAMPLE MEASUREMENT													
PERMIT REQUIREMENT													
SAMPLE MEASUREMENT													
PERMIT REQUIREMENT													
SAMPLE MEASUREMENT													
PERMIT REQUIREMENT													
SAMPLE MEASUREMENT													
PERMIT REQUIREMENT													
SAMPLE MEASUREMENT													
PERMIT REQUIREMENT													

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dan W. Guy
 Manager Permitting/Compliance
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Dan W. Guy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 637-5050
 DATE 89 04 17
 AREA CODE NUMBER YEAR MO DAY

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

POND INSPECTION REPORT

1: Trail Mt Mine #9

LOCATION: Trail Mt #9

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good - Pond Clean
> than 1/4" water

(5) Recommendations/Comments

No Discharge

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
9/12/89

POND INSPECTION REPORT

#9

LOCATION: Trail 117

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good

(5) Recommendations/Comments

No Recharge

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

02/28/89

POND INSPECTION REPORT

POND: Trout M.

LOCATION: Highway

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Pond Clean -
100%

(5) Recommendations/Comments

No Discharge

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
7/9/89

POND INSPECTION REPORT

06-48

LOCATION: Trail M.

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good

(5) Recommendations/Comments

Pond 3/4 Full
Photo taken

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

8/29/89

26-3P }
26-2P }
35-1P }

POND INSPECTION REPORT

NO:

LOCATION:

Trail Pond

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good (2 Ponds)
Dry except some
made in 2010.

(5) Recommendations/Comments

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

7-19-89
Date

POND INSPECTION REPORT

ID: 216-4P

LOCATION: Trail MA

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	4" Standing Water

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

[Signature]

POND INSPECTION REPORT

ID: B5-1P

LOCATION: Trail PA

ITEM	REMARKS
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>OK</u>
(5) Recommendations/Comments	

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
7/19/89
Date

POND INSPECTION REPORT

POND: 26-1P
26-2P

LOCATION: Trail

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Dry</u> <u>Photo - 1 -</u>
(5) Recommendations/Comments	<u>Photo - 2 -</u>

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
01/22/89

POND INSPECTION REPORT

P : 26-3P

LOCATION: Trail

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Pass

(5) Recommendations/Comments

Photo # 24

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
6/27/69

POND INSPECTION REPORT

26-4P

LOCATION: Truel

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stabil

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good
1" water
Photo 24

(5) Recommendations/Comments

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

2/27/89

POND INSPECTION REPORT

I : 35-1P

LOCATION: Trail

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good
Sheds well
Photo # 12

(5) Recommendations/Comments

Dry

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

6/27/89

POND INSPECTION REPORT

P : 35-2P

LOCATION: Trail

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>Limit on Paddock</u>
	<u>Area</u>
	<u>Photo 23</u>

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
2/27/89

POND INSPECTION REPORT

NO: 35-2P

LOCATION: Unit Mt.

ITEM	REMARKS
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>None</u>

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

J. A. P. Lopez

7/19/89
Date

POND INSPECTION REPORT

POND: Trail Pond

LOCATION: #9 mine

ITEM	REMARKS
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Good</u>
(3) Erosion	<u>Minor on west</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>Pond water level 4' from overflow No discharge</u>

I have performed the above inspection on this pond and I hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
4/16/89

POND INSPECTION REPORT

POND: Trout Pond

LOCATION: Trout Creek

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance Performance Standards

Good

(5) Recommendations/Comments

Water level 3' from
Overflow
No Leaking

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

5/2/89

POND INSPECTION REPORT

POND: Trail Mt.

LOCATION: Trail Creek

ITEM
(1) Potential Safety Hazards

None
REMARKS

(2) Slope Stability

Stable

(3) Erosion

Minor erosion

(4) Construction and Maintenance Performance Standards

Good - Water (ice) level
7' From Top of Overflow

(5) Recommendations/Comments

None
No Discharge

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

2/28/97

POND INSPECTION REPORT

POND: A-Trail MA

LOCATION: # 9000

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Staked</u> <u>Approx Staked Area</u> <u>Washed</u>
(3) Erosion	<u>None</u> <u>Water flowing into</u> <u>Pond under snow</u>
(4) Construction and Maintenance Performance Standards	<u>Bad Pond has</u> <u>App 18" Water (Ice)</u> <u>Level</u>
(5) Recommendations/Comments	<u>No Discharge</u>

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]

1/16/89

POND:

H-9

LOCATION:

Blonwood

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None -
Evidence of eroded
runnel on S. Slope

(4) Construction and Maintenance Performance Standards

Good

(5) Recommendations/Comments

Pond Discharge
Sample Taken

I have performed the above inspection on this pond and do hereby certify it to be a true and accurate representation of the pond at this time.

[Signature]
12/12/09

1989

PERMIT / STIPULATION STATUS



Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 26, 1990

Mr. Richard D. Pick, President
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Pick:

Re: State Permit, Five-Year Permit Renewal, Beaver Creek Coal Company,
Trail Mountain #9 Mine, ACT/015/009, Folder #3, Emery County, Utah

Enclosed are two copies of the five-year permit renewal for the Trail Mountain #9 Mine. Please sign both copies and return one copy to the Division.

Your staff's cooperation during the permitting process has been appreciated.

Best regards,

Dianne R. Nielson
Director

PGL/djh
Enclosures
cc: P. Rutledge, OSM, Denver
R. Hagen, OSMRE, Albuquerque
P. Grubaugh-Littig, DOGM
AT45/164

FEDERAL

Permit Number ACT/015/009

February 21, 1990

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

This permit (five-year renewal), ACT/015/009, is issued for the state of Utah by the Utah Division of Oil, Gas and Mining (DOGM) to:

Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501
(801) 637-5050

for the Trail Mountain #9 Mine. Beaver Creek Coal Company (BCCC) is the lessee of federal coal leases U-49332 and U-082996, State Mineral Lease ML-22603, and the owner/lessee of certain fee-owned parcels. A performance bond is filed with the DOGM in the amount of \$463,711.00, payable to the state of Utah, Division of Oil, Gas and Mining, and the Office of Surface Mining, Reclamation and Enforcement (OSMRE). DOGM must receive a copy of this permit signed and dated by the permittee.

Sec. 1 STATUTES AND REGULATIONS - This permit is issued pursuant to the Utah Coal Mining and Reclamation Act of 1979, Utah Code Annotated (UCA) 40-10-1 et seq, hereafter referred to as the Act.

Sec. 2 PERMIT AREA - The permittee is authorized to conduct underground coal mining activities on the following described lands (as shown on the map appended as Attachment A) within the permit area at the Trail Mountain #9 Mine, situated in the state of Utah, Emery County, and located:

Township 17 South, Range 6 East, SLM

Section 25: S1/2 NW1/4, W1/2 SW1/4, W1/2 E1/2 SW1/4,
SW1/4 SE1/4, E1/2 E1/2 SW1/4;

Begin at the point of SW Corner of NW1/4 SE1/4, thence North 160 Rods, thence East 44 Rods to center of Cottonwood Creek, Southward along creek to a point 76 Rods east of the beginning, thence west 76 Rods to the Point of Beginning.

Section 26: SE1/4 NE1/4, E1/2 SW1/4 NE1/4, E1/2 SE1/4,
E1/2 W1/2 SE1/4;

Section 35: ~~N1/2 NE1/4, SE1/4 NE1/4, E1/2 SW1/4 NE1/4,~~
E1/2 SE1/4, E1/2 W1/2 SE1/4;

Section 36: All.

This legal description is for the permit area (as shown on Attachment B) of the Trail Mountain #9 Mine. The permittee is authorized to conduct underground coal mining activities connected with mining on the foregoing described property subject to the conditions of the leases, the approved mining plan, including all conditions and all other applicable conditions, laws and regulations.

Sec. 3 PERMIT TERM - This revised permit becomes effective on February 21, 1990, and expires on February 21, 1995.

Sec. 4 ASSIGNMENT OF PERMIT RIGHTS - The permit rights may not be transferred, assigned, or sold without the approval of the Director, DOGM. Transfer, assignment, or sale of permit rights must be done in accordance with applicable regulations, including but not limited to 30 CFR 740.13[e] and UMC 788.17-.19.

Sec. 5 RIGHT OF ENTRY - The permittee shall allow the authorized representative of the DOGM, including but not limited to inspectors, and representatives of OSMRE, without advance notice or a search warrant, upon presentation of appropriate credentials, and without delay to:

A. have the rights of entry provided for in 30 CFR 840.12, UMC 840.12, 30 CFR 842.13 and UMC 842.13; and

- B. be accompanied by private persons for the purpose of conducting an inspection in accordance with UMC 842.12 and 30 CFR 842, when the inspection is in response to an alleged violation reported by the private person.

Sec. 6 SCOPE OF OPERATIONS - The permittee shall conduct underground coal mining activities only on those lands specifically designated as within the permit area on the maps submitted in the mining and reclamation plan and permit application and approved for the term of the permit and which are subject to the performance bond.

Sec. 7 ENVIRONMENTAL IMPACTS - The permittee shall minimize any adverse impact to the environment or public health and safety through but not limited to:

- A. accelerated monitoring to determine the nature and extent of noncompliance and the results of the noncompliance;
- B. immediate implementation of measures necessary to comply; and
- C. warning, as soon as possible after learning of solids, sludge, filter backwash or pollutants in the course of treatment or control of waters or emissions to the air in the manner required by the approved Utah State Program and the Federal Lands Program which prevents violation of any applicable state or federal law.

Sec. 9 CONDUCT OF OPERATIONS - The permittee shall conduct its operations:

- A. in accordance with the terms of the permit to prevent significant, imminent environmental harm to the health and safety of the public; and
- B. utilizing methods specified as conditions of the permit by DOGM in approving alternative methods of compliance with the performance standards of the Act, the approved Utah State Program and the Federal Lands Program.

Sec. 10 AUTHORIZED AGENT - The permittee shall provide the names, addresses and telephone numbers of persons responsible for operations under the permit to whom notices and orders are to be delivered.

- Sec. 11 **COMPLIANCE WITH OTHER LAWS** - The permittee shall comply with the provisions of the Water Pollution Control Act (33 USC 1151 et seq), and the Clean Air Act (42 USC 7401 et seq), UCA 26-11-1 et seq, and UCA 26-13-1 et seq.
- Sec. 12 **PERMIT RENEWAL** - Upon expiration, this permit may be renewed for areas within the boundaries of the existing permit in accordance with the Act, the approved Utah State Program and the Federal Lands Program.
- Sec. 13 **CULTURAL RESOURCES** - If during the course of mining operations, previously unidentified cultural resources are discovered, the permittee shall ensure that the site(s) is not disturbed, and shall notify DOGM. DOGM, after coordination with OSMRE, shall inform the permittee of necessary actions required. The permittee shall implement the mitigation measures required by DOGM within the time frame specified by DOGM.
- Sec. 14 **APPEALS** - The permittee shall have the right to appeal as provided for under UMC 787.
- Sec. 15 **SPECIAL CONDITIONS** - There are no special conditions associated with this permitting action.

The above conditions (Secs. 1-15) are also imposed upon the permittee's agents and employees. The failure or refusal of any of these persons to comply with these conditions shall be deemed a failure of the permittee to comply with the terms of this permit and the lease. The permittee shall require his agents, contractors and subcontractors involved in activities concerning this permit to include these conditions in the contracts between and among them. These conditions may be revised or amended, in writing, by the mutual consent of DOGM and the permittee at any time to adjust to changed conditions or to correct an oversight. DOGM may amend these conditions at any time without the consent of the permittee in order to make them consistent with any new federal or state statutes and any new regulations.

THE STATE OF UTAH

By: _____

Date: _____

Dianne P. Nelson

2-21-90

I certify that I have read, understand, and accept the requirements of this permit and any special conditions attached.

Richard S. Puh
Authorized Representative of
the Permittee

Date: 3-7-90

APPROVED AS TO FORM:

By: Barbara W. Roberts
Assistant Attorney General

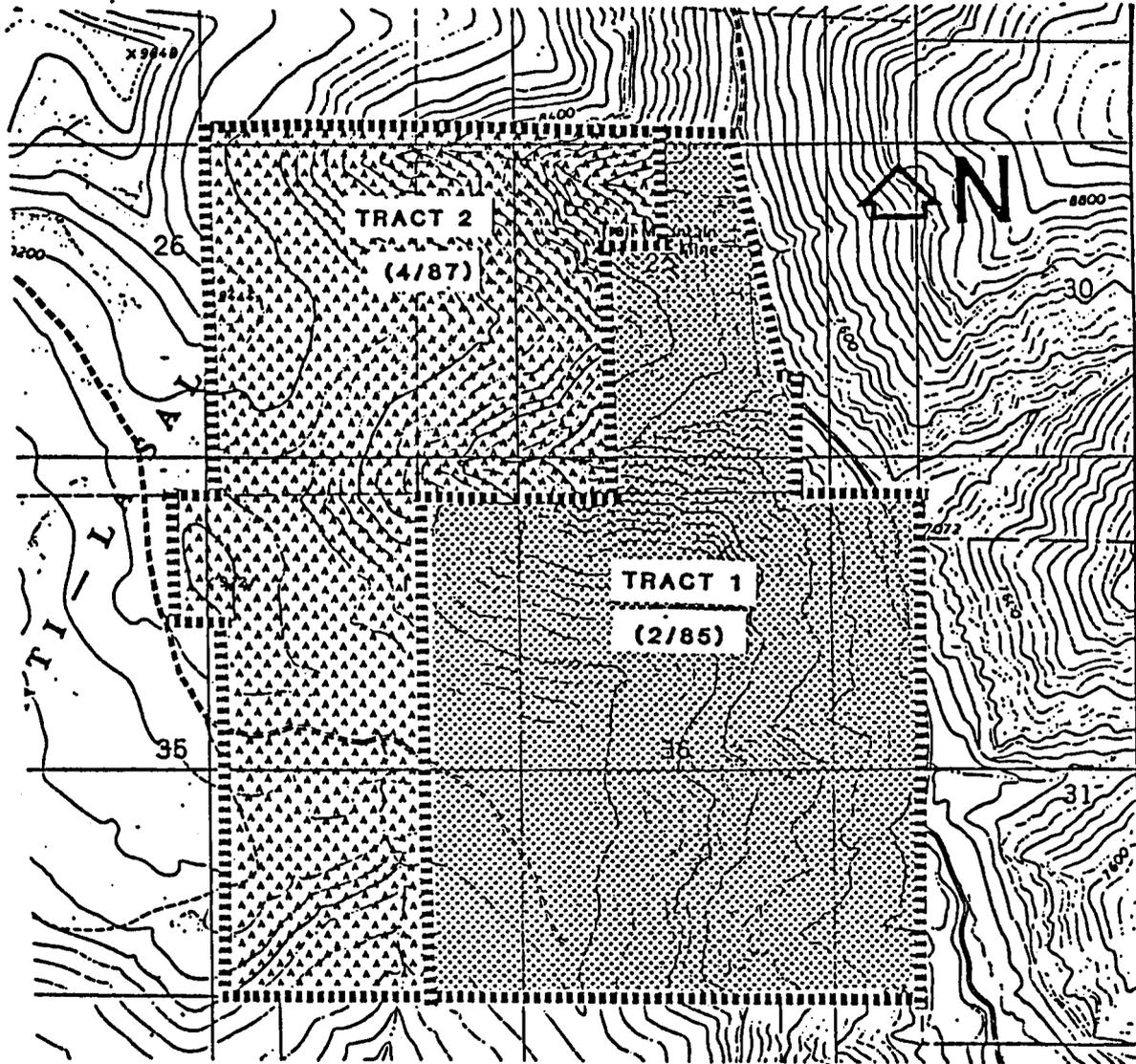
Date: February 23, 1990

AT107/3-7

ATTACHMENT A

Beaver Creek Coal Company
Trail Mountain #9 Mine
Permit Area
ACT/015/009

(Township 17 South, Range 6 East SLBM)



Scale 1":24000"

Permit No.: UTG040003

STATE OF UTAH
DEPARTMENT OF HEALTH
BUREAU OF WATER POLLUTION CONTROL
P.O. BOX - 16690
SALT LAKE CITY, UTAH 84116-0690

*Authorization to Discharge Under the
Utah Pollutant Discharge Elimination System
Utah General Permit for Coal Mining*

In compliance with provisions of the Utah Water Pollution Control Act, Title 26 Chapter 11 Utah Code Annotated, 1953 as amended, the Act. The coal company identified in the application is authorized to discharge to Waters of the State as identified in the application in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This general permit shall become effective on May 4, 1989

This general permit and the authorization to discharge shall expire at midnight, April 30, 1993.

Signed this 4th day of May 1989



Authorized Permitting Official
Executive Secretary
Water Pollution Control Committee

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I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. The "30-day (and monthly) average", is the arithmetic average of all samples collected during a consecutive 30-day period or calendar month, whichever is applicable. The calendar month shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms.
2. The "7-day (and weekly) average", is the arithmetic average of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The 7-day and weekly averages are applicable only to those effluent characteristics for which there are 7-day average effluent limitations. The calendar week which begins on Sunday and ends on Saturday, shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for that calendar week shall be included in the data for the month that contains the Saturday.
3. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.
4. "Composite samples" shall be flow proportioned. The composite sample shall, as a minimum, contain at least four (4) samples collected over the compositing-period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six (6) hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:
 - a. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;
 - b. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;
 - c. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,
 - d. Continuous collection of sample, with sample collection rate proportional to flow rate.
5. A "grab" sample, for monitoring requirements, is defined as a single "dip and take" sample collected at a representative point in the discharge stream.
6. An "instantaneous" measurement, for monitoring requirements, is defined as a single reading, observation, or measurement.

7. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
8. "Bypass" means the diversion of waste streams from any portion of a treatment facility.
9. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
10. "Executive Secretary" means Executive Secretary of the Utah Water Pollution Control Committee.
11. "EPA" means the United States Environmental Protection Agency.
12. The term "10-year, 24-hour precipitation event" shall mean the maximum 24-hour precipitation event with a probable recurrence interval of once in 10 years as defined by the National Weather Service and Technical Paper No. 40, Rainfall Frequency Atlas of the U.S., May 1961, and subsequent amendments or equivalent regional or rainfall probability information developed therefrom.
13. "Active mining area" means the areas on and beneath land used or disturbed in activity related to the extraction, removal, or recovery of coal from its natural deposits. This term excludes coal preparation plants, coal preparation plant associated areas and post-mining areas.
14. "Reclamation area" means the surface area of a coal mine which has been returned to required contour and on which revegetation (specifically, seeding or planting) work has commenced.
15. The term "coal preparation plant" means a facility where coal is crushed, screened, sized, cleaned, dried, or otherwise prepared and loaded for transit to a consuming facility.
16. The term "coal preparation plant associated areas" means the coal preparation plant yards, immediate access roads, coal refuse piles, and coal storage piles and facilities.
17. The term "settleable solids" is that matter measured by the volumetric method specified below:

The following procedure is used to determine settleable solids:

Fill an Imhoff cone to the one-liter mark with a thoroughly mixed sample. Allow to settle undisturbed for 45 minutes. Gently stir along the inside surface of the cone with a stirring rod. Allow to settle undisturbed for 15 minutes longer. Record the volume of settled material in the cone as milliliters per liter. Where a separation of settleable and floating material occurs, do not include the floating material in the reading.

18. Mine drainage means any drainage, and any water pumped or syphoned, from an active mining area or a post mining area.
19. Alkaline mine drainage means mine drainage which before any treatment has a pH equal to or greater than 6.0 and total iron concentration less then 10 mg/l.
20. Post mining areas means: 1) a reclamation area or 2) the underground workings of an underground coal mine after extraction removal or recovery of coal from its natural deposit has ceased and prior to bond release.

B. Criteria for Inclusion in The General Permit for Coal Mining.

This General permit shall apply only to the discharge of treated wastewater from:

Coal mining operations either new or existing in Utah which include or will include in part or in whole alkaline mine water drainage, storm water runoff from coal preparation plant associated areas, active mining areas, and post mining areas. The total amount of total dissolved solids discharged from all mine water and decant operations is limited to one ton per day.

C. Notice of Intent for a General Permit for Coal Mining.

1. Any facility which desires a general permit for coal mining and meets the requirement of B. above can be issued a general permit only by following the procedures listed below.

Submit a Notice of Intent (NOI) to obtain a general permit for coal mining. The NOI shall include the following items:

- a. Name of the facility.
- b. Facility contact person and phone number for that person.
- c. The facility mailing address (include zip code).
- d. Complete items e through q of the NOI if the information contained in those items has not already been submitted in a previous NOI or individual UPDES application, or if circumstances have changed such that the information previously submitted would be out of date or incorrect.
- e. Facility location such as street address, county, city or town, state and zip code. Include the latitude and longitude of the facility to the nearest 15 seconds.

- f. Name of the operator if other than the owner. Indicate here if the owner will be the operator and the phone number where the operator can be reached during normal and off work hours, and the address of the operator.
- g. Statement as to whether the facility or any existing or proposed discharge points are located on Indian lands or within National Forest boundaries.
- h. List of any other permits (including other UPDES permits) that the facility has or is attempting to obtain such as UIC or RCRA.
- i. Statements as to whether the facility has any hazardous waste treatment storage or disposal areas.
- j. List location and identification number (such as 001, 002, etc.) of each existing discharge and/or proposed discharge point(s). This includes the latitude and longitude to the nearest 15 seconds and the name of the receiving water(s).
- k. A description of the source of the wastewater for each discharge point.
- l. A description of the treatment given or proposed for the wastewater at each discharge point and if necessary a justification of why no treatment is required.
- m. Indicate for each discharge point flow characteristics such as whether flow is or will be continuous or intermittent and indicate projected and/or actual average and maximum flows in gpd.
- n. For each discharge point submit data for the following parameters:
 - 1) Biochemical oxygen demand (BOD)
 - 2) Chemical oxygen demand (COD)
 - 3) Total organic carbon (TOC)
 - 4) Total suspended solids (TSS)
 - 5) Flow
 - 6) Ammonia (as N)
 - 7) Oil and grease
 - 8) Temperature
 - 9) pH
 - 10) Total dissolved solids (TDS)
 - 11) Total iron
 - 12) Date and time of sampling for each parameter
 - 13) Date and time of analysis for each parameter
 - 14) Laboratory which has completed the analysis for each parameter

If no data is available, indicate why the data is not available.

The Executive Secretary may waive the reporting requirements for any of these pollutants and parameters if the applicant submits a request for such a waiver before or with the NOI which demonstrates that information adequate to support issuance of the permit can be obtained through less stringent reporting requirements.

0. Indicate for each discharge point the presence or absence of any toxic and/or priority pollutants as listed by EPA in 40 CFR Part 403.

p. Area Maps (Active Mining Operations)

Facilities are required to submit an Area Map in the form specified hereafter.

The Area Map(s) and any necessary revised Area Map(s) shall be submitted in the form specified below and shall be made from USGS topographical maps (7.5 or 15-minute series) or other appropriate sources as approved by the Executive Secretary or his designee. Each revised area map shall be 8 1/2 inches by 11 inches and shall be in black and white, suitable to produce readable copies by rapid printing methods. (Xerox, Dennison, Offset printing, etc.) or as approved by the Executive Secretary. Where additional 8 1/2 inch by 11 inch maps are required to show the area of operation, they shall be numbered and a key shall be shown on the first map. The first map section shall have the company name, mine/job name, address, and UPDES number clearly printed thereon. Also, one line of latitude and one line of longitude shall be marked on each map section. The Area Map(s) shall delineate the following, using the graphics as indicated:

1. Existing area of operation shall be outlined by a solid line and the map shall show areas at least one mile beyond the existing areas of operation. _____
 2. Existing point source(s) (Solid Triangle)
 3. The projected area of operation for the next five years
----- (Dashed Outline)
 4. Projected point source(s) for the next five years
(Opened Triangle)
 5. The active-inactive status of all discharge points which are listed in the application. These discharge points shall be assigned numbers 001, 002, 003, etc.
 6. The location of springs, rivers and other surface water bodies.
 7. The location of any hazardous waste treatment, storage and disposal areas, and where any fluids are injected into the ground.
- q. If there are any changes corrections, or other modifications or adjustments of the location of the point source discharges, the permittee shall submit a revised Area Map(s) as described in p. above. Such maps must be submitted 30 days prior to commencement of the discharge.

- r. The NOI must be signed by a responsible official of the company with the following format:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in the application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the NOI application, I believe the information is true, accurate and correct. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name and Official Title Signature

Date

2. Additional information or clarification of information submitted in the NOI may be requested by the Executive Secretary.
 3. The NOI to obtain a General Permit for Coal Mining shall be submitted 180 days before expiration of the general permit or an individual permit, for all facilities desiring to continue or obtain a general permit; with the exception of those facilities that have submitted an NOI within one year of the expiration date of the general permit need not resubmit another NOI.
 4. New facilities must submit a NOI at least 180 days before the beginning date of discharge.
 5. The Executive Secretary will respond to the submission of the NOI by reviewing the NOI within 30 days for a UPDES new source or discharger and 60 days for an existing source and notifying the permittee whether more information is needed or if the NOI is complete, issue the general permit.
- D. Specific Limitations and Self-Monitoring Requirements.
1. During the period beginning immediately and lasting through the duration of this permit, the permittee is authorized to discharge from all point sources associated with active mining operations indicated on the Area Maps submitted and approved pursuant to Part I. C. 1p. Such discharges shall be limited and monitored by the permittee as specified below:

4. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within a 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at any outfall may comply with the following limitations instead of the otherwise applicable limitations:

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units. However, as stated under Part I. D. 3., all effluent samples collected at any outfall during storm water discharge events shall be analyzed for settleable solids

<u>Effluent Characteristics</u>	<u>Discharge Limitations a/</u>		<u>Monitoring Requirements</u>		
	<u>Average</u>	<u>30-day 7-Day</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow, gpd	N/A	N/A	N/A	Monthly	Measured b/
Suspended Solids, mg/L	25	35	70	Monthly	Grab
Total Iron, mg/L	N/A	N/A	2.0	Monthly	Grab
Dissolved Solids, lbs/day	N/A	N/A	N/A c/	Monthly	Grab
Oil Grease, mg/L	N/A	N/A	10	Monthly	Grab

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units and shall be monitored twice per month by a grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

There shall be no discharge of sanitary wastes or any process water from coal preparation plants.

a/ See Definitions, Part I. A. for definition of terms.

b/ For the intermittent discharges, the duration of the discharge shall be reported along with the flow.

c/ The total amount of Total Dissolved Solids (TDS) discharged from all mine water and decant operations is limited to one ton (2,000 pounds) per day.

2. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at any point which is representative of each discharge prior to its mixing with the receiving stream and as indicated by the solid triangles on the current Area Maps submitted pursuant to part I. C. 1p.

3. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within a 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at any outfall may comply with the following limitation instead of the Total Suspended Solids limitations contained in Part I. D. 1. provided the facility has been designed, constructed and operated to adequately treat up to a 10 year 24 hour storm event:

Effluent Characteristic

Daily Maximum

Settleable Solids

0.5 ml/L

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

- A. Representative Sampling. Samples taken in compliance with the monitoring requirements established under Part I shall be collected from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge.
- B. Monitoring Procedures. Monitoring must be conducted according to test procedures approved under Utah Administrative Code (UAC) Section R448-2-10, unless other test procedures have been specified in this permit.
- C. Penalties for Tampering. The Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.
- D. Reporting of Monitoring Results. Monitoring results obtained during the previous calendar quarter shall be summarized for each calendar month on separate Discharge Monitoring Report Forms (DMR, EPA No. 3320-1). All three DMRs for the calendar quarter shall be postmarked no later than the 28th day of the calendar month following the completed reporting period. If no discharge occurs during the reporting period, "no discharge" shall be reported. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the requirements of Signatory Requirements (see Part IV), and submitted to the Utah Bureau of Water Pollution Control and to EPA at the following addresses:

Original to: Utah Department of Health
Bureau of Water Pollution Control
288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
Attention: Compliance and Monitoring Program

Copy to: United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, Colorado 80202-2405
Attention: Water Management Division
Compliance Branch (8WM-C)

- E. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any Compliance Schedule of this permit shall be submitted no later than 14 days following each schedule date.
- F. Additional Monitoring by the Permittee. If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under UAC Section R448-2-10 as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated.

- G. Records Contents. Records of monitoring information shall include:
1. The date, exact place, and time of sampling or measurements;
 2. The individual(s) who performed the sampling or measurements;
 3. The date(s) and time(s) analyses were performed;
 4. The individual(s) who performed the analyses;
 5. The analytical techniques or methods used; and,
 6. The results of such analyses.
- H. Retention of Records. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary at any time. Data collected on site, copies of Discharge Monitoring Reports, and a copy of this UPDES permit must be maintained on site during the duration of activity at the permitted location.
- I. Twenty-four Hour Notice of Noncompliance Reporting.
1. The permittee shall (orally) report any noncompliance which may seriously endanger health or the environment as soon as possible, but no later than twenty-four (24) hours from the time the permittee first became aware of the circumstances. The report shall be made to the Utah Bureau of Water Pollution Control, (801) 538-6146, or 24 hour answering service (801) 538-6333.
 2. The following occurrences of noncompliance shall be reported by telephone to the Utah Bureau of Water Pollution Control, Compliance and Monitoring Branch at (801) 538-6146 by the first workday (8:00 a.m. - 5:00 p.m. Mountain Time) following the day the permittee became aware of the circumstances:
 - a. Any unanticipated bypass which exceeds any effluent limitation in the permit (See Part III. G., Bypass of Treatment Facilities.);
 - b. Any upset which exceeds any effluent limitation in the permit (See Part III. H., Upset Conditions.); or,
 - c. Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.
 3. A written submission shall also be provided within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times;
 - c. The estimated time noncompliance is expected to continue if it has not been corrected; and,

- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
 - e. Steps taken, if any, to mitigate the adverse impacts on the environment and human health during the noncompliance period.
4. The Executive Secretary may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Compliance and Monitoring Branch, Utah Bureau of Water Pollution Control, (801) 538-6146.
 5. Reports shall be submitted to the addresses in Part II. D., Reporting of Monitoring Results.
- J. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for Part II. D. are submitted. The reports shall contain the information listed in Part II. I. 3.
- K. Inspection and Entry. The permittee shall allow the Executive Secretary, or an authorized representative, or EPA upon the presentation of credentials and other documents as may be required by law, to:
1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;
 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,
 4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

III. COMPLIANCE RESPONSIBILITIES

- A. Duty to Comply. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Executive Secretary of the Water Pollution Control Committee of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- B. Penalties for Violations of Permit Conditions. The Act provides that any person who violates a permit condition implementing provisions of the Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions is subject to a fine not exceeding \$25,000 per day of violation. Any person convicted under Section 26-11-16(2) of the Act a second time shall be punished by a fine not exceeding \$50,000 per day. Except as provided in permit conditions on Part III. G. Bypass of Treatment Facilities and Part III. H. Upset Conditions, nothing in this permit shall be construed to relieve the permittee of the civil or criminal penalties for noncompliance.
- C. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- E. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
- F. Removed Substances. Collected screenings, grit, solids, sludges, or other pollutants removed in the course of treatment shall be buried or disposed of in such a manner so as to prevent any pollutant from entering any waters of the state or creating a health hazard. Sludge/digester supernatant and filter backwash shall not directly enter either the final effluent or waters of the state.

G. Bypass of Treatment Facilities.

1. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this section. Return of removed substances, as described in Part III. F., to the discharge stream shall not be considered a bypass under the provisions of this paragraph.
2. Notice:
 - a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 60 days before the date of the bypass.
 - b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required under Part II. I. Twenty-four Hour Reporting.
3. Prohibition of bypass.
 - a. Bypass is prohibited and the Executive Secretary may take enforcement action against a permittee for a bypass, unless:
 - (1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage ;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,
 - (3) The permittee submitted notices as required under paragraph 2 of this section.
 - b. The Executive Secretary may approve an anticipated bypass, after considering its adverse effects, if the Executive Secretary determines that it will meet the three conditions listed above in paragraph 3. a. of this section.

II. Upset Conditions.

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of paragraph 2 of this section are met. The Executive Secretary's administrative determination regarding a claim of upset cannot be judiciously challenged by the permittee until such time as an action is taken for noncompliance.

2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated;
 - c. The permittee submitted notice of the upset as required under Part II. L. Twenty-four Hour Notice of Noncompliance Reporting; and,
 - d. The permittee complied with any remedial measures required under Part III. D. Duty to Mitigate.
 3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- I. Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Federal Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
 - J. Changes in Discharge of Toxic Substances. Notification shall be provided to the Executive Secretary as soon as the permittee knows of, or has reason to believe:
 1. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - a. One hundred micrograms per liter (100 ug/L);
 - b. Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - c. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC Section R448-8-3.4 (7) or (10); or,
 - d. The level established by the Executive Secretary in accordance with UAC Section R448-8-4.2 (6).
 2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

- a. Five hundred micrograms per liter (500 ug/L);
- b. One milligram per liter (1 mg/L) for antimony;
- c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC Section R448-8-3.4(9); or,
- d. The level established by the Executive Secretary in accordance with UAC Section R448-8-4.2(6).

IV. GENERAL REQUIREMENTS

- A. Planned Changes. The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as defined in UAC Section R448-8-1.5.; or,
 2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under Part IV. A. 2.
- B. Anticipated Noncompliance. The permittee shall give advance notice of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- C. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- D. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit.
- E. Duty to Provide Information. The permittee shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.
- F. Other Information. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.
- G. Signatory Requirements. All applications, reports or information submitted to the Executive Secretary shall be signed and certified.
1. All permit applications shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively;

- c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
2. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the Executive Secretary, and,
 - b. The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
 3. Changes to authorization. If an authorization under paragraph IV. G. 2. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph IV. G. 2. must be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.
 4. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- H. Penalties for Falsification of Reports. The Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

- I. Availability of Reports. Except for data determined to be confidential under UAC Section R448-8-3.2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Executive Secretary. As required by the Act, permit applications, permits and effluent data shall not be considered confidential.
- J. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the permittee of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Federal Clean Water Act or the Utah Water Pollution Control Act.
- K. Property Rights. The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
- L. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
- M. Transfers. This permit may be automatically transferred to a new permittee if:
1. The current permittee notifies the Executive Secretary at least 30 days in advance of the proposed transfer date;
 2. The notice includes a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,
 3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.
- N. State Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 26-11-19 of the Act.
- O. Water Quality Standard Requirement - Reopener Provision
This permit may be reopened and modified (following proper administrative procedures) to include the appropriate effluent limitations and compliance schedule, if necessary, if one or more of the following events occurs:

1. Water Quality Standards for the receiving water(s) to which the permittee discharges are modified in such a manner as to require different effluent limits than contained in this permit.
2. A final wasteload allocation is developed and approved by the State and/or EPA for incorporation in this permit.
3. A revision to the current 208 plan is approved and adopted which calls for different effluent limitations than contained in this permit.

1610k

1989

SUBSIDENCE MONITORING REPORT

Bruce T. S. Ware

REGISTERED LAND SURVEYOR
RT. 1, BOX 146 H-2 HELPER, UTAH 84526
Phone 637-2620

Page 1 of 4

Beaver Creek Coal Company # 9 Mine Subsidence Monitoring

Station	Original Elevation Oct./Nov. 1986	Survey Elevation Oct. 1989	Change
TMS 5-1W	8726.49	8726.51	+0.02
TMS 5	8667.11	8667.17	+0.06
TMS 5-1E	8552.84	8552.59	-0.25
TMS 5-2E	8376.51	8376.37	-0.14
TMS 5-3E	8254.87	8254.60	-1.27
TMS 5-4E	8222.28	8220.94	-1.34
TMS 5-5E	8271.12	8269.94	-1.18
TMS 5-6E	8282.30	8281.05	-1.25
TMS 5-7E	8247.31	8245.99	-1.32
TMS 6-9W	8847.41	8847.49	+0.08
TMS 6-8W	8777.88	8778.94	+1.06
TMS 6-7W	8703.52	8703.58	+0.06
TMS 6-6W	8672.38	8672.43	+0.05
TMS 6-5W	8624.83	8624.59	-0.24
TMS 6-4W	8583.89	8583.88	-0.01
TMS 6-3W	8582.66	8582.65	-0.01
TMS 6-2W	8541.26	8541.26	0.00
TMS 6-1W	8567.21	8567.22	+0.01
TMS 6	8585.30	8585.32	+0.02
TMS 3-6W	9068.96	9068.85	-0.11
TMS 3-5W	9067.50	9067.42	-0.08
TMS 3-4W	9009.30	9009.10	-0.20
TMS 3-3W	8974.95	8974.94	-0.01
TMS 3-2W	8928.61	8928.50	-0.11
TMS 3-1W	8924.49	8924.38	-0.11
TMS 3	8911.80	8911.71	-0.09
TMS 3-1E	8803.61	8803.44	-0.17
TMS 3-2E	8748.89	8748.76	-0.13

Bruce T. S. Ware
REGISTERED LAND SURVEYOR
RT. 1, BOX 146 H-2 HELPER, UTAH 84526
Phone 637-2620

Beaver Creek Coal Company # 9 Mine Subsidence Monitoring

Station	Original Elevation Oct./Nov. 1986	Survey Elevation Oct. 1989	Change
TMS 2	9060.28	9060.18	-0.10
TMS 2-1E	9058.87	9058.68	-0.19
TMS 2-2E	9059.33	9059.16	-0.17
TMS 2-3E	9064.08	9063.87	-0.21
TMS 2-4E	9070.00	9069.80	-0.20
TMS 2-5E	9061.85	9061.64	-0.21
TMS 2-6E	8902.43	8902.19	-0.24
TMS 2-7E	8745.21	8744.86	-0.35
TMS 2-8E	8597.74	8597.25	-0.49
TMS 2-9E	8550.32	8549.86	-0.46
TMS 8-9W	8914.06	8913.71	-0.35
TMS 8-8W	8909.33	8908.90	-0.43
TMS 8-7W	8944.46	8944.11	-0.35
TMS 8-6W	8979.17	8978.82	-0.35
TMS 8-5W	9015.60	9015.27	-0.33
TMS 8-4W	9044.07	9043.79	-0.28
TMS 8-3W	8994.63	8994.37	-0.26
TMS 8-2W	8854.62	8854.34	-0.28
TMS 8-1W	8737.92	8737.71	-0.21
TMS 8	8650.46	8650.30	-0.16
10 W#13	8725.32	8724.89	-0.43
10 W#12	8738.03	8737.54	-0.49
10 W#11	8764.34	8763.86	-0.48
10 W#10	8813.32	8812.83	-0.49
10 W#9	8866.54	8866.23	-0.31
10 W#8	8923.85	8923.36	-0.49
10 W#7	8979.89	LOST	
10 W#6	8998.19	8997.85	-0.34
10 W#5	8904.99	8904.50	-0.49

Bruce T. S. Ware
REGISTERED LAND SURVEYOR
RT. 1, BOX 146 H-2 HELPER, UTAH 84526
Phone 637-2620

Page 3 of 4

Beaver Creek Coal Company # 9 Mine Subsidence Monitoring

Station	Original Elevation Oct./Nov. 1986	Survey Elevation Oct. 1989	Change
10 W#4	8813.19	8812.63	-0.56
10 W#3	8739.89	8739.56	-0.33
10 W#2	8645.90	8645.50	-0.40
10 W#1	8584.66	8584.36	-0.30
10 W Zero	8531.07	8530.80	-0.27
11 W#13	8669.84	8670.52	+0.68
11 W#12	8689.23	8689.22	-0.01
11 W#11	8715.02	8714.94	-0.08
11 W#10	8746.50	8746.47	-0.03
11 W#9	8792.97	8792.93	-0.04
11 W#8	8849.92	8849.89	-0.03
11 W#7	8910.03	8909.97	-0.06
11 W#6	8948.37	8948.30	-0.07
11 W#5	8856.84	8856.75	-0.09
11 W#4	8771.36	8771.17	-0.19
11 W#3	8694.92	8694.80	-0.12
11 W#2	8626.37	8626.20	-0.17
11 W#1	8557.82	8557.70	-0.12
11 W Zero	8526.88	8526.74	-0.14
12 W#12	8613.12	8612.98	-0.14
12 W#11	8624.55	8624.42	-0.13
12 W#10	8670.28	8670.15	-0.13
12 W#9	8703.86	8703.70	-0.16
12 W#8	8732.75	8732.63	-0.12
12 W#7	8777.98	8777.84	-0.14
12 W#6	8834.96	8834.78	-0.18
12 W#5	8875.09	8874.91	-0.18

Bruce T. S. Ware

REGISTERED LAND SURVEYOR
RT. 1, BOX 146 H-2 HELPER, UTAH 84526
Phone 637-2620

Page 4 of 4

Beaver Creek Coal Company # 9 Mine Subsidence Monitoring

Station	Original Elevation Oct./Nov. 1986	Survey Elevation Oct. 1989	Change
12 W#4	8775.49	8775.24	-0.25
12 W#3	8701.58	8701.40	-0.18
12 W#2	8639.53	8639.40	-0.13
12 W#1	8599.11	8598.97	-0.14
12 W Zero	8546.30	8546.17	-0.13
6 W Zero	9033.75	9033.55	-0.20
6 W#1	9031.75	9031.57	-0.18
6 W#2	9031.34	9031.17	-0.17
6 W#3	9028.91	9028.80	-0.11
6 W#4	9026.81	9026.68	-0.13
6 W#5	9017.18	LOST	
6 W#6	9023.57	9023.43	-0.14
6 W#7	9029.52	9029.40	-0.12
6 W#8	9039.87	9039.79	-0.08
6 W#9	9045.88	9045.83	-0.05
6 W#10	9050.65	9050.62	-0.03
6 W#11	9051.49	9051.47	-0.02
6 W#12	9046.57	9046.58	+0.01
6 W#13	9039.09	9039.16	+0.07
6 W#14	9030.16	9030.17	+0.01
6 W#15	9024.83	9024.88	+0.05
6 W#16	9022.48	9022.46	-0.02
6 W#17	9029.41	9029.46	+0.05
6 W#18	9030.07	9030.15	+0.08

United States
Department of
Agriculture

Forest
Service

Manti-LaSal
National Forest

599 West Price River Dr.
Price, Utah 84501

Reply to: 7140/2820

Date: June 22, 1989

Dan Guy
Beaver Creek Coal Company
P.O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

As you are aware, the Manti-LaSal National Forest is discontinuing the joint Forest Service/Beaver Creek Coal Company's photogrammetric subsidence monitoring program. The mine involved which is operated by your company is the Trail Mountain #9 mine. Please consider this letter to be formal notification that we are terminating the Manti-LaSal National Forest/Trail Mountain Coal Company Collection Agreement for Subsidence Monitoring.

The program was developed in 1978 and 1979 to provide for subsidence and vegetative monitoring of National Forest System lands within individual mine permit areas. It was designed to be consistent for all of the individual coal mining operations on the Forest and would consist of a permanent record of topography and vegetation over time. Color aerial photography would provide a means for looking backward in time to make comparisons with present conditions and would provide accurate photogrammetric subsidence data. Color infrared (CIR) photography would provide information on any changes or trends in ground moisture and vegetative conditions which are good indicators of other resource conditions and uses. The program was designed to be the most effective method for evaluating subsidence and impacts while minimizing cost to the mining companies.

We will continue to process the photogrammetric information for the Trail Mountain Mine and will contact your office when this information is available. This represents your monitoring program through 1987, the year of most recent photography.

You will need to implement a subsidence monitoring program which will meet the requirements of the mining regulations and lease stipulations. Vegetative monitoring, intended to detect mining-induced alterations or conversions of

vegetative communities, also needs to continue at 5-year intervals. We encourage you to consider use of aerial photogrammetric methods for subsidence and vegetative monitoring since they have the advantage of providing a permanent record of ground conditions and could minimize costs. Utah Power and Light Company has successfully used aerial monitoring methods and may be willing to discuss their program(s) with you.

If you have any questions, please contact the Forest Supervisor's Office in Price, Utah.

Sincerely,

A handwritten signature in cursive script, appearing to read "George A. Morris".

for
GEORGE A. MORRIS
Forest Supervisor

1989

VEGETATION DATA

REVEGETATION TEST PLOT MONITORING
OF THE
TRAIL MOUNTAIN NO. 9 COAL MINE: 1989

REVEGETATION TEST PLOT MONITORING
OF THE TRAIL MOUNTAIN No. 9 COAL MINE: 1989

by

Patrick D. Collins, Ph.D.

INTRODUCTION

The following is a summary of the 1989 sampling results of the Revegetation Test Plots at the Trail Mountain No. 9 Coal Mine in Emery County, Utah. The research test plots were implemented in the fall of 1984. Vegetation sampling has been implemented on the plots since the growing season of 1985.

METHODS

Quantitative and qualitative data were taken on each of the test plots. Sampling methods were implemented this year exactly the same way they were in the previous years. These methods have been described adequately in earlier reports.

RESULTS AND DISCUSSION

For results of the 1989 sampling, refer to the data summaries shown on Tables 1 - 7. Results from monitoring the test plots have been submitted each year since 1985. Reference to previous year's data submittals should provide the reviewers with a comprehensive idea of the year-to-year changes in species cover, composition and frequency of the test plots.

TABLE 1: 1989 monitoring results for the vegetation test plots of the Trail Mountain Coal Mine, Utah. The table shows a plant species list and the plot it was in. (Plot was sampled Sept. 11, 1989).

SCIENTIFIC NAME	COMMON NAME	SPECIES MIX	
SHRUBS			
<u>Atriplex confertifolia</u>	Shadscale	I	II
FORBS			
<u>Achillea millefolium</u>	Yarrow	I	
<u>Astragalus cicer</u>	Chickpea milkvetch	I	
<u>Erigeron</u> sp.	Fleabane	I	
<u>Eriogonum</u> sp.	Buckwheat		II
<u>Grindelia squarrosa</u>	Gumweed		II
<u>Hedysarum boreale</u>	Northern sweetvetch		II
<u>Linum perenne</u>	Wild flax		II
<u>Maribium vulgare</u>	Common horehound		II
<u>Melilotus officinalis</u>	Yellow sweet clover	I	
GRASSES			
<u>Agropyron cristatum</u>	Crested wheatgrass	I	II
<u>Agropyron trachycaulum</u>	Slender wheatgrass	I	
<u>Agropyron intermedium</u> var. <u>trichophorum</u>	Intermediate wheatgrass		II
<u>Bromus carinatus</u>	Mountain brome	I	II
<u>Bromus inermis</u>	Smooth brome		II
<u>Elymus cinereus</u>	Gt. Basin wildrye	I	II

TABLE 2: 1989 SAMPLING RESULTS - SPECIES MIXTURE I

Total cover and composition of the revegetation test plots of the Trail Mountain No. 9 Coal Mine. The table shows means, standard deviations and sample sizes.

COVER - SPECIES MIXTURE I

	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE *
Total Living Cover	57.00	9.00	20.0
Litter	24.50	7.57	20.0
Bareground	8.50	6.79	20.0
Rock	10.00	5.87	20.0

COMPOSITION - SPECIES MIXTURE I

	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE *
Shrubs	1.16	4.67	20.0
Forbs	14.88	17.48	20.0
Grasses	83.96	18.07	20.0

*Sample size insures 90% accuracy within 10% of the true mean.

TABLE 3: 1989 SAMPLING RESULTS - SPECIES MIXTURE I

Mean percent cover, standard deviation, sample size and relative frequency by species of the revegetation test plots of the Trail Mountain No. 9 Coal Mine.

SPECIES MIXTURE I				
SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
SHRUBS				
<u>Atriplex confertifolia</u>	0.75	3.27	20.0	5.00
<u>Amelanchier utahensis</u>	0.05	0.22	20.0	5.00
FORBS				
<u>Achillea millefolium</u>	3.15	3.53	20.0	55.00
<u>Aster foliaceus</u>	0.50	2.18	20.0	5.00
<u>Astragalus cicer</u>	3.35	6.22	20.0	35.00
<u>Erigeron sp.</u>	0.15	0.65	20.0	5.00
<u>Melilotus officinalis</u>	0.90	1.67	20.0	25.00
GRASSES				
<u>Agropyron trachycaulum</u>	23.55	10.18	20.0	100.00
<u>Bromus carinatus</u>	2.25	4.87	20.0	25.00
<u>Elymus cinereus</u>	22.35	17.00	20.0	95.00

TABLE 4: 1989 SAMPLING RESULTS - SPECIES MIXTURE I

Woody species densities of the revegetation test plots of the Trail Mountain No. 9 Coal Mine.

	NUMBER/ACRE
<i>Amelanchier utahensis</i>	49.37
<i>Atriplex confertifolia</i>	241.03

TOTAL	290.40

TABLE 5: 1989 SAMPLING RESULTS - SPECIES MIXTURE II

Total cover and composition of the revegetation test plots of the Trail Mountain No. 9 Coal Mine. The table shows means, standard deviations and sample sizes.

COVER SPECIES MIXTURE II			
	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE
Total Living Cover	51.00	6.63	20.0
Litter	25.41	10.08	20.0
Bareground	9.85	7.03	20.0
Rock	13.75	9.73	20.0

COMPOSITION - SPECIES MIXTURE II			
	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE*
Shrubs	0.83	3.63	20.0
Forbs	13.01	21.96	20.0
Grasses	86.16	21.77	20.0

*Sample size insures 90% accuracy within 10% of the true mean.

TABLE 6: 1989 SAMPLING RESULTS - SPECIES MIXTURE II

Mean percent cover, standard deviation, sample size and relative frequency by species of the revegetation test plots of the Trail Mountain No. 9 Coal Mine.

SPECIES MIXTURE II				
SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
SHRUBS				
<u>Atriplex confertifolia</u>	0.50	2.18	20.0	5.00
FORBS				
<u>Aster foliaceus</u>	1.00	4.36	20.0	5.00
<u>Linium perenne</u>	0.40	1.16	20.0	5.00
<u>Melilotus officinalis</u>	4.35	8.21	20.0	30.00
<u>Sanguisorba minor</u>	0.05	0.22	20.0	5.00
GRASSES				
<u>Agropyron intermedium</u> var. <u>trichophorum</u>	31.60	14.37	20.0	100.00
<u>Agropyron trachycaulum</u>	0.50	2.18	20.0	5.00
<u>Agropyron spicatum</u>	1.00	2.55	20.0	15.00
<u>Bromus inermis</u>	11.50	8.82	20.0	100.00

TABLE 7: 1989 SAMPLING RESULTS - SPECIES MIXTURE II

Woody species densities of the revegetation test plots of the Trail Mountain No. 9 Coal Mine.

	NUMBER/ACRE
<i>Atriplex confertifolia</i>	87.12
<i>Chrysothamnus nauseosus</i>	29.04

TOTAL	116.16

UPDATED MINE MAP

1989

MODIFICATIONS / AMENDMENTS



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert
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

May 5, 1989

Mr. Dan Guy, Manager
Permitting & Compliance
P. O Box 1378
Price, Utah 84501

Dear Mr. Guy:

Re: Approval for Small Area Exemption, Beaver Creek Coal Company,
Trail Mountain #9 Mine, ACT/015/009-89A, Folder #3, Emery
County, Utah

This letter will serve to inform you that the Division hereby
approves the above-identified Permit change.

Sincerely,

Richard V. Smith

Richard V. Smith
Acting Permit Supervisor

cl
cc: J. Helfrich
T. Munson
BT40/25

COAL MRP AMENDMENT/FIELD DECISION FORM

The Division of Oil, Gas, and Mining has issued approval for the below stated amendment while on location in the field.

Type of Proposal:

AMENDMENT X
EXPLORATION N/A

TDN#
NOV #N N/A _____ # _____ OF _____
CO #C N/A _____ # _____ OF _____

I. B. C. NA (Incidental Boundary Change)

Title of Proposal: Small Area Exemption

Company Name: Beaver Creek Coal Co.

Project or Mine Name: Trail Mtn. #9

File #: ~~CINA / PRO / ACT / CEPT~~ ^{ACT} 015 1 009 -88 # ~~1~~ Acres: 0.182

Description of Permit Change: Clarify records on small area exemption below the sediment pond and contiguous to Cottonwood Creek

Disturbed perimeter markers currently delineate the reclaimed area. The area line below the sediment pond, contiguous to Cottonwood Creek is about 132' long and 60' wide, embracing about 0.182 acres. Sediment control consists of two series of straw bales and no sediment appears to be leaving the area in question. All on the ground work has heretofore been done to qualify for a SAE. In the opinion of the undersigned Rec. Spec. it is not practical nor feasible to construct a sediment pond for this area.

Other references:
Inquire 7-29 Cottonwood Creek Channel Alignment Plan

Due date for submittal of revised application pages and maps: Enclosed
Submittal should include eight copies of: (1) Revised map 3-16 delineating the Small Area Exemption and (2) Revised section 7.2.6 discussing the small area exemption which supplements information contained herein

[Signature]
Authorized Representative for Permittee

4/13/89
Date

Lead Reclamation Specialist
4/13/89 [Signature]

Specialist Approving _____

Small Area Exemption - There is one small area of past disturbance that does not drain to the sediment pond. This is an area of approximately 0.182 acres (132' x 60') below the pond along Cottonwood Creek. The area has been revegetated and is protected by runoff control structures, and is approved as a Small Area Exemption in accordance with the requirements of UMC 817.42(a)(3). Location of the S.A.E. is shown on Figure 3-16.

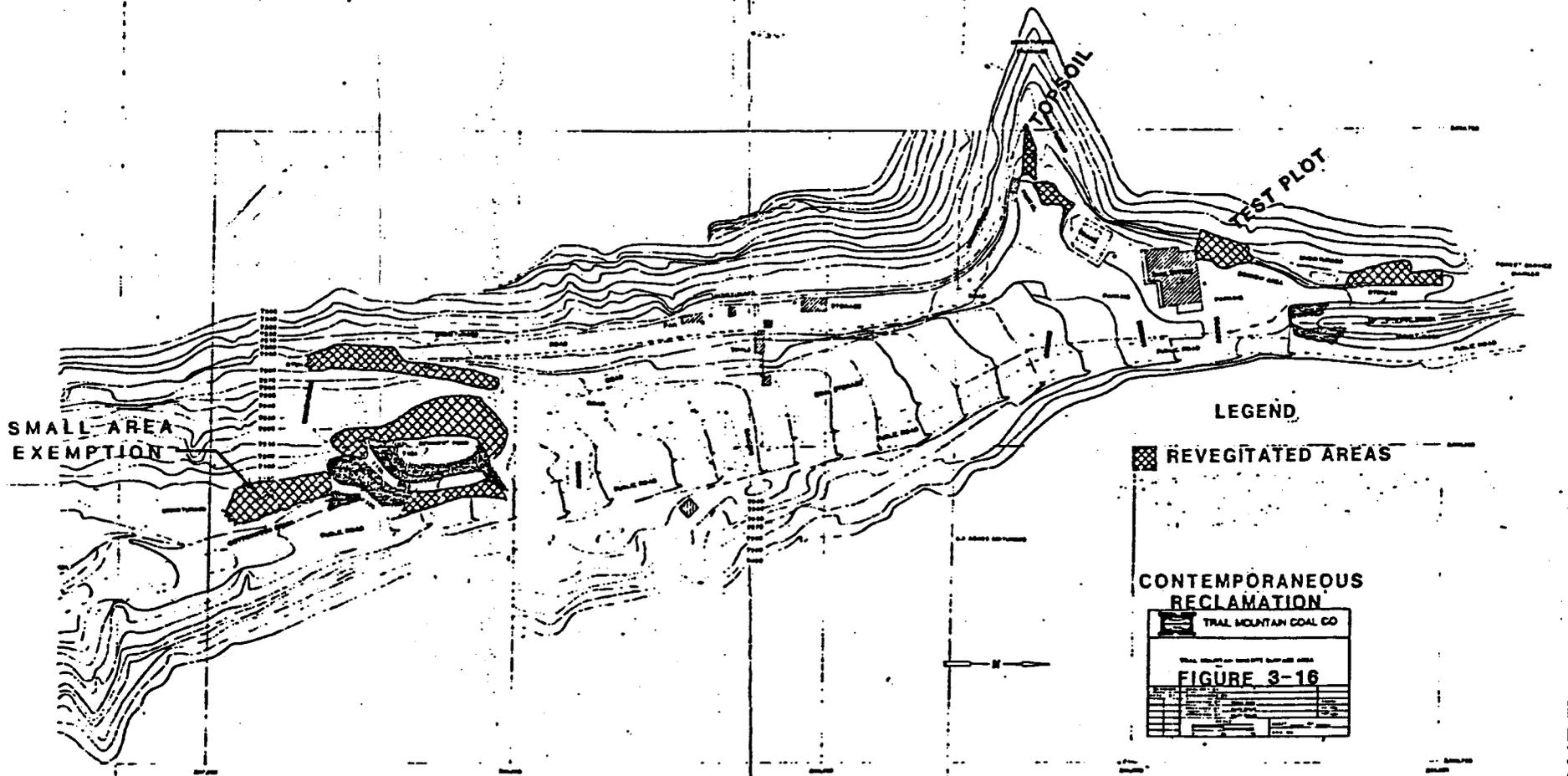


FIGURE 3-16

BEAVER CREEK Coal Company

Post Office Box 1376
Price, Utah 84501
Telephone 801 637-5050



February 1, 1989

Mr. John Whitehead
Permit Supervisor
Utah Division of Oil, Gas and Mining
Suite 350
3 Triad Center
355 W. North Temple
Salt Lake City, Utah 84180-1203

Re: PAP Amendment
Underground Water
Monitoring Stations
Trail Mtn. No. 9 Mine
ACT/015/009-88C; #2
Emery County, Utah

Dear Mr. Whitehead:

Enclosed are 6 copies of amended pages and maps for the Trail Mountain No. 9 Mine plan, per your request. These reflect our commitment to monitor the new underground monitoring station for baseline parameters, and to install a future underground monitoring well.

The pages should replace corresponding pages in Appendix 7-1, and the map should replace Figure 7-9A.

If you need any further information, please let me know.

Respectfully,

Dan W. Guy
Mgr. Permitting

cc: J. L. Coffey
File

ATTACHMENT III
GROUNDWATER (Operational)
PARAMETERS

(Appendix 7-1)

FIELD MEASUREMENTS: QUARTERLY

Discharge
PH
Specific conductivity
Temperature (Air and Water)

LABORATORY MEASUREMENTS: QUARTERLY

Total Dissolved Solids
Total Hardness (as CaCO₃)
Carbonate (CO₃⁻²)
Bicarbonate (HCO₃⁻)
Calcium (Ca)
Chloride (CL⁻)
Dissolved Iron (Fe)
Magnesium (Mg)
Manganese (Mn)
Potassium (K)
Sodium (Na)
Sulfate (SO₄⁻²)

Note: UG-1 and TM-2 Eliminated 5/11/88 - No longer Accessible.

2/1/89

ADDITIONAL GROUND WATER MONITORING

It was proposed to install an additional ground water monitoring well (TM-3) at the western extent of the 6th West Mains for the Tract II plan. Due to geologic problems encountered in the driving of 6th West, the area was abandoned as a main entry and second-mined and sealed. As a result, it was not possible to install the proposed monitoring well as planned. The proposed ground water monitoring well TM-3 (to replace TM-2) will be developed at (or near) the proposed location shown on Figure 7-9A. The well will be installed within 90 days after the proposed site is mined.

Underground mine water will continue to be evaluated (and monitored as necessary) according to the commitment in Sections 6.7.1 and 7.1.7.