

Annual Reports Review

Mine Name Huntington #4 Mine

Date Submitted March 31, 1993

Sections to be reviewed: *Please note after you have reviewed. TK.*

Cover Sheet and Mine Sequence Map - Jesse  
Date Reviewed \_\_\_\_\_

Summarized Water Monitoring Data - Ken  
Date Reviewed \_\_\_\_\_

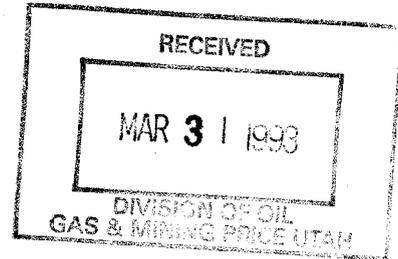
Precipitation and Climatological Data - Ken  
Date Reviewed \_\_\_\_\_

Subsidence Monitoring Report - Jesse  
Date Reviewed \_\_\_\_\_

Vegetation Data and Revegetation Success Monitoring - Susan  
Date Reviewed \_\_\_\_\_

Annual Impoundment Certification - Jesse  
Date Reviewed \_\_\_\_\_

Annual Overburden, Spoil, Refuse, Roof, Floor, etc - Henry  
Date Reviewed \_\_\_\_\_



**MOUNTAIN COAL COMPANY**  
**1992 ANNUAL REPORT**  
**HUNTINGTON CANYON NO. 4 MINE**



# **BLACKHAWK ENGINEERING, CO.**

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

March 26, 1993

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

Re: Mountain Coal Company  
1992 Annual Report  
Hunting Canyon No. 4 Mine  
ACT/015/004  
Emery County, Utah

Dear Mr. Braxton:

Enclosed is the Annual Report for Coal Mining and Reclamation Operations for 1992 for Huntington Canyon No. 4 Mine.

The report is being submitted on behalf of Mountain Coal Company. If you have any questions, or need any further information, please contact me at the above address or Kathleen Welt at Mountain Coal Company, West Elk Mine, P.O. Box 591, Somerset, Colorado 81434.

Respectfully,

Dan W. Guy P.E.  
President

cc: Kathleen Welt- MCC  
File - Annual Report

COAL MINING AND RECLAMATION OPERATIONS FOR 1992

(Must be submitted to the Division by March 31, 1993)

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

**Permittee:** Mountain Coal Company

**Mine Name:** Huntington Canyon No. 4 Mine

**Mailing Address:** P.O. Box 591, Somerset, Colo. 81434

**Company Representative:** Kathleen G. Welt

**Resident Agent:** The Corporation Trust Co., 1209 Orange St., Wilmington, Delaware, 19801

**Permit Number:** INA/015/004

**MSHA ID Number:** N/A

**Date of Initial Permanent Program Permit:** 1/30/80

**Date of Permit Renewal:** 9/12/91 (Expires 4/30/95)

**Quantity of Coal Mined (tonnage) 1992:** N/A

**Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1992.  
(Same as Lease Royalty Payment Map and/or MSHA Progress Map) N/A**

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

**A. Summarized Water Monitoring Data: (Enclosed)**

- 1. List of monitoring points and their locations and respective frequencies of monitoring (monthly, quarterly, etc.) as approved in the PAP;**
- 2. UPDES permit number, UPDES discharge points and their locations;**
- 3. Summary of findings based on water monitoring during 1992; and**
- 4. Submit water monitoring as database files (ASCII, Lotus, dBase, etc.)  
(Please contact Ken Wyatt if you have any questions).**

**B. Precipitation or Other Climatological Data (please submit as database files: ASCII, Lotus, dBase, etc.— Contact Ken Wyatt if you have any questions).**

**C. Subsidence Monitoring Report:**

1. **Brief description of monitoring system (monuments or aerial surveys, how monitoring is done, how frequently monitoring is done);**
2. **List of all monitoring points (if any) and their locations and amount of displacement of each;**
3. **Map showing either monitoring points (if any) or a representation of subsidence which has occurred; and**
4. **Any owners and/or occupants of surface property and structures above the underground workings who were or will be mailed notification six months prior to mining (R645-301-525.300).**

**D. Vegetation Data (test plots) or Revegetation Success Monitoring (Includes interim and final):**

1. **Test plot monitoring data or implementation;**
2. **Quantitative results from interim or final seeding efforts;**
3. **If quantitative monitoring was not required, then at minimum, a qualitative description of the interim or final vegetation; and**
4. **Describe any seeding done on site during the current year.**

**E. Annual Impoundment Certification, (R645-301-514.312) which includes the following information:**

1. **Any appearances of instability;**
2. **Structural weakness or other hazardous conditions;**
3. **Depth and elevation of any impounded waters;**
4. **Existing storage capacity;**
5. **Any existing or required monitoring procedures and instrumentation; and**
6. **Any other aspects of the structure affecting stability.**

*Suggested form enclosed*

**F. Annual Overburden, Spoil, Refuse, Roof, Floor, and Mid-Seam Data. For consistency and completeness, please submit data for this reporting requirement in the following manner:**

1. **Location of sample site, sample interval, and sample matrix (if roof or floor, then include lithologic unit and if coal, then thickness of seam at sample site);**
2. **Sampling technique employed in the field (i.e., grab sample, composite, depth segregated or specific procedure outlined in the permit by chapter and page) and preparation prior to analysis (i.e., sieved sample, ground sample, air dried, oven dried, etc.);**
3. **Laboratory analysis report sheet which includes:**
  - I. **Sample time and date;**
  - II. **Date and time of lab analysis; and**
  - III. **Analytical method(s) employed and references. Include the soil/spoil: water ratio.**
4. **Summary of findings based on monitoring.**

**G. A current copy of the annual report of officers submitted to the Department of Commerce and any changes in the ownership and control information required under R645-301-110.**

**H. Any Other Information Required to be Submitted as Specified in your Permit Application Package and Permit.**

**Huntington #4 Mine**

**Amendments Approved**

**Date**

92A --Phase II Bond Release Application Denied

09/28/92

**Outstanding Issues**

**PERMIT**

FEDERAL

PERMIT  
ACT/015/004

September 12, 1991

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, ACT/015/004, is issued for the State of Utah by the Utah Division of Oil, Gas and Mining (Division) to:

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

for the Huntington #4 Mine. A Surety Bond is filed with the Division in the amount of \$144,041, payable to the State of Utah, Division of Oil, Gas and Mining, and the Office of Surface Mining, Reclamation and Enforcement (OSM). The Division 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 within the permit area at the Huntington #4 Mine, situated in the State of Utah, Emery County, and located:

Township 16 South, Range 7 East, SLBM

Section 8: SW1/4, S1/2 SE1/4  
Section 9: S1/2 SW1/4, SW1/4 SE1/4  
Section 16: All  
Section 17: E1/2

This legal description is for the permit area of the Huntington #4 Mine. The permittee is authorized to conduct underground coal mining activities and related surface activities on the foregoing described property subject to the conditions of all applicable conditions, laws and regulations.

- Sec. 3 COMPLIANCE** - The permittee will comply with the terms and conditions of the permit, all applicable performance standards and requirements of the State Program.
- Sec. 4 PERMIT TERM** - This permit becomes effective on September 12, 1991, and expires on April 30, 1995.
- Sec. 5 ASSIGNMENT OF PERMIT RIGHTS** - The permit rights may not be transferred, assigned or sold without the prior written approval of the Division Director. 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 R614-303-300.
- Sec. 6 RIGHT OF ENTRY** - The permittee shall allow the authorized representative of the Division, including but not limited to inspectors, and representatives of the Office of Surface Mining Reclamation and Enforcement (OSM), 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, R614-400-220, 30 CFR 842.13 and R614-400-110;
  - (b) be accompanied by private persons for the purpose of conducting an inspection in accordance with R614-400-100 and R614-400-200 when the inspection is in response to an alleged violation reported to the Division by the private person.
- Sec. 7 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 approved plan and approved for the term of the permit and which are subject to the performance bond.
- Sec. 8 ENVIRONMENTAL IMPACTS** - The permittee shall take all possible steps to minimize any adverse impact to the environment or public health and safety resulting from noncompliance with any term or condition of the permit, including, but not limited to:
- (a) Any accelerated or additional monitoring necessary 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 such noncompliance, any person whose health and safety is in imminent danger due to the noncompliance.

**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 the Division 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 EXISTING STRUCTURES** - As applicable, the permittee will comply with R614-301 and R614-302 for compliance, modification, or abandonment of existing structures.

**Sec. 11 RECLAMATION FEE PAYMENTS** - The operator shall pay all reclamation fees required by 30 CFR Part 870 for coal produced under the permit, for sale, transfer or use.

**Sec. 12 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. 13 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. 14 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. 15 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 the Division. The Division, after coordination with OSM, shall inform the permittee of necessary actions required. The permittee shall implement the mitigation measures required by Division within the time frame specified by Division.

**Sec. 16 APPEALS** - The permittee shall have the right to appeal as provided for under R614-300-200.

The above conditions (Secs. 1-16) 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 the Division and the permittee at any time to adjust to changed conditions or to correct an oversight. The Division may amend these conditions at any time without the consent of the permittee in order to make them consistent with any federal or state statutes and any regulations.

**THE STATE OF UTAH**

By: 

Date: 9-12-91

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



**Authorized Representative of  
the Permittee**

Date: 10/15/91

FEDERAL

Permit Number ACT/015/004

April 30, 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/015/004, 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 Huntington #4 Mine. A performance bond is filed with the DOGM in the amount of \$144,041.00, 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 reclamation activities on the following described lands (as shown on the map appended as Attachment A) within the permit area at the Huntington #4 Mine, situated in the state of Utah, Emery County, and located:

This legal description is for the permit area (as shown on Attachment B) of the Huntington #4 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 April 30, 1990, and expires on April 30, 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 reclamation activities only on those lands specifically designated as within the permit area on the maps submitted in the 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: *Dennis P. Nelson*  
Date: 4-30-90

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

*Richard J. The L*  
Authorized Representative of  
the Permittee  
Date: 5-24-90

APPROVED AS TO FORM:

By: *David H. Filanson*  
Assistant Attorney General  
Date: \_\_\_\_\_

# AMENDMENTS

# OTHER PERMITS



State of Utah  
DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangertter  
Governor  
Suzanne Dandoy, M.D., M.P.H.  
Executive Director  
Kenneth L. Alkema  
Director

288 North 1460 West  
P.O. Box 16690  
Salt Lake City, Utah 84116-0690  
(801) 538-6121

June 10, 1991

CERTIFIED MAIL  
(Return Receipt Requested)

Mr. Dan W. Guy, Manager  
Beaver Creek Coal  
P.O. Box 1378  
Price, Utah 84501

Re: General Permit No. UTG040000--Coal  
Mining

Dear Mr. Guy:

We hereby acknowledge receipt of the Notice of Intent (NOI) for coverage under the Utah General Permit for Coal Mining. The NOIs for Beaver Creek Coal's Gordon 3 & 6 Wells and Huntington Canyon Well are considered adequate and have been assigned the numbers UTG040014 for Gordon 3 & 6 and UTG040015 for Huntington Canyon. Please refer to these numbers in future correspondence.

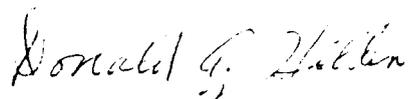
Your copy of the signed permits are enclosed. Coverage shall begin on June 1, 1991 and all the requirements and conditions of the permits will be in effect at that time. Preprinted Discharge Monitoring Report Forms (EPA Form 3320-1), for self-monitoring and reporting requirements as specified in the permits, will be sent to you within 30 days.

A fee schedule was included in the Utah Department of Health budget appropriation request at the direction of the Legislature and in accordance with Utah Code Annotated 26-1-6. The fee schedule, as approved by the Legislature, includes a charge for the issuance of a UPDES permit. Please remit \$690.00 for each permit (a total of \$1,380.00) within 30 days of receipt of this letter to:

Utah Department of Health  
Bureau of Water Pollution Control  
Attn: Rawn Wallgren  
P.O. Box 16690  
Salt Lake City, UT 84116-0690

If you have any questions, please contact Steve McNeal or Harry Campbell at (801) 538-6146.

Sincerely,



Donald A. Hilden, Ph.D., Chief  
Permits and Compliance Section  
Bureau of Water Pollution Control

KC/kc

Enclosure

cc: Division of Oil, Gas & Mining  
Southeastern Utah District Health Dept.  
Dave Ariotti, District Engineer

**SPECIAL USE PERMIT**

Act of June 4, 1897

This permit is revocable and nontransferable  
(Ref. FSM 2710)

Act of October 21, 1976 (P.L. 94-579)

a. Record no. (1-2) 70	b. Region (3-4) 04	c. Forest (5-8) 10
d. District (7-8) 03	e. User number (9-12) 4087	f. Kind of use (13-15) 72/ 912
g. State (16-17) 49	h. County (18-20) 015	i. Card no. (21) 1

Permission is hereby granted to Beaver Creek Coal Company

of P.O. Box A.U. - 1109 South Carbon Avenue, Price, Utah 84501

hereinafter called the permittee, to use subject to the conditions set out below, the following described lands or improvements:

NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Section 21, T16S., R7E., SLBM

This permit covers 0.225 acres and/or ----- miles and is issued for the purpose of:

Maintenance of two (2) sediment ponds for the Swisher #4 mine. Ponds were constructed under permit to Swisher.

1. Construction or occupancy and use under this permit shall begin within 1 months, and construction, if any, shall be completed within ----- months, from the date of the permit. This use shall be actually exercised at least 300 days each year, unless otherwise authorized in writing.

2. In consideration for this use, the permittee shall pay to the Forest Service, U.S. Department of Agriculture, the sum of Twenty-Five Dollars (\$ 25.00 ) for the period from January 1 1982, to December 31, 1982, and thereafter annually on January 1 Twenty-Five Dollars (\$ 25.00 ):

Provided, however, Charges for this use may be made or readjusted whenever necessary to place the charges on a basis commensurate with the value of use authorized by this permit.

3. This permit is accepted subject to the conditions set forth herein, and to conditions 18 to 36 attached hereto and made a part of this permit.

PERMITTEE	NAME OF PERMITTEE	SIGNATURE OF AUTHORIZED OFFICER	DATE
	Beaver Creek Coal Company	Thomas H. Barker	3 Sept. 82
ISSUING OFFICER	NAME AND SIGNATURE	TITLE	DATE
	Ross E. Butler	Acting Forest Supervisor	9/8/82

1982 fees paid under name of Swisher Coal Company.

(CONTINUED ON REVERSE)

4. Development plans: layout (plans); construction, reconstruction, or alteration of improvements, or revision of layout or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the permittee as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current damage appraisal value; provided that the Forest Service reserves the right to dispose of the merchantable timber to others than the permittee at no stumpage cost to the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the premises as may be approved by the forest officer in charge.

5. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

6. This permit is subject to all valid claims.

7. The permittee, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

8. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

9. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, and shall pay the United States for any damage resulting from negligence or from the violation of the terms of this permit or of any law or regulation applicable to the National Forests by the permittee, or by any agents or employees of the permittee acting within the scope of their agency or employment.

10. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.

11. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

12. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to remove all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.

13. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner provided is qualified as a permittee and is willing that his future occupancy of the premises shall be subject to such new conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the issuing officer or his successor, issuance of a permit is desirable and in the public interest.

14. In case of change of address, the permittee shall immediately notify the forest supervisor.

15. The temporary use and occupancy of the premises and improvements herein described may be sublet by the permittee to third parties only with the prior written approval of the forest supervisor but the permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.

16. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the regional forester or the Chief, Forest Service.

17. In the event of any conflict between any of the preceding printed clauses or any provisions thereof and any of the following clauses or any provisions thereof, the following clauses will control.

18. (A-13) - A late payment charge in addition to the regular fees shall be made for failure to meet the fee payment due date or any of the dates specified for submission of statements required for fee calculation. The late payment charge shall be \$15, or an amount calculated by applying the current rate prescribed by Treasury Fiscal Requirements Manual Bulletins to the overdue amount for each 30-day period or fraction thereof that the payment is overdue, whichever is greater. If the due date falls on a non-workday, the late payment charge will not apply until the end of the next workday.
19. (B-2) - During the performance of this permit, the permittee agrees:
- a. In connection with the performance of work under this permit, including construction, maintenance, and operation of the facility, the permittee shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin.
  - b. The permittee and his employees shall not discriminate by segregation or otherwise against any person on the basis of race, color, religion, sex, or national origin by curtailing or refusing to furnish accommodations, facilities, services, or use privileges offered to the public generally.
  - c. The permittee shall include and require compliance with the above nondiscrimination provisions in any subcontract made with respect to the operations under this permit.
20. (B-8) - The permittee shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of National Forest lands under this permit.
21. (C-9) - No storage or transportation of water on the National Forest lands covered by this permit shall be made until the facilities have been constructed in accordance with the approved plans and specifications, the permittee has submitted certification thereof by a registered professional engineer, and the permittee has received written approval from the Forest Service.
22. (C-12) - The Environmental Assessment previously furnished is made a part of the permit.
23. (D-3) - The permittee shall protect the scenic esthetic values of the area under this permit, and the adjacent land, as far as possible with the authorized use, during construction, operation, and maintenance of the improvements.
24. (D-4) - The permittee shall take reasonable precautions to protect, in place, all public land survey monuments, private property corners, and Forest boundary markers. In the event that any such land markers or monuments are destroyed in the exercise of the privileges authorized by this permit, depending on the type of monument destroyed, the permittee shall see that they are reestablished or referenced in accordance with (1) the procedures outlined in the "Manual of Instructions for the Survey of the Public Land of the United States," (2) the specifications of the county surveyor, or (3) the specifications of the Forest Service.

Further, the permittee shall cause such official survey records as are affected to be amended as provided by law.

25. (D-7) - The permittee shall be responsible for the prevention and control of soil erosion and gulying on the area covered by this permit and lands adjacent thereto, and shall provide preventive measures as required by the Forest Service.
26. (E-4) - Unless sooner terminated or revoked by the Regional Forester, in accordance with the provisions of the permit, this permit shall expire and become void on December 31, 1999, but a new permit to occupy and use the same National Forest land may be granted provided the permittee will comply with the then existing laws and regulations governing the occupancy and use of National Forest lands and shall have notified the Forest Supervisor not less than six months prior to said date that such new permit is desired.
27. (X-4) - This permit is issued on the condition that the permittee has secured, or will secure, the consent of any person having valid claim to the land.
28. (X-5) - The land herein described is subject to certain rights reserved by or outstanding in parties other than the United States, and nothing herein shall abridge said rights or authorize prevention or obstruction of the reasonable exercise thereof.
29. (X-6) - This permit is subject to the rights and privileges granted in mineral, oil, or gas leases covering this land which have been issued by an authorized agency of the United States, and this permit does not authorize the prevention of obstruction of the reasonable exercise of the rights and privileges granted by said mineral, oil, or gas leases.
30. (X-17) - If, during excavation work, items of substantial archeological or paleontological value are discovered, or a known deposit of such items is disturbed, the permittee will cease excavation in the area so affected. He will then notify the Forest Service and will not resume excavation until written approval is given.
31. (X-19) - The permittee agrees to permit the free and unrestricted access to and upon the premises at all times for all lawful and proper purposes not inconsistent with the intent of the permit or with the reasonable exercise and enjoyment by the permittee of the privileges thereof.
32. (X-27) - This permit covers use of land only for flooding. It is specifically understood that the shoreline touching the National Forest land and the land above the shoreline and above the normal spillway-crest water level shall remain under the jurisdiction of the Forest Service. The Forest Service reserves the right to use and permit use of the land under permit: Provided, That such use does not interfere with the purpose for which this permit is granted.

33. (X-67) - The permittee further agrees that the Forest Service representative may inspect the structures at any time and if not satisfied with the then-existing protection to control soil erosion on the dams and in and below the spillways to streambed, upon written notice thereof, the permittee shall take action to provide protection to control soil erosion. If the Forest Service is not satisfied with any safety, operation, maintenance, or other feature or physical condition of the structures and appurtenances, upon written notice thereof, the permittee shall comply with a request to correct, adjust, or change same.
34. (X-68) - Rental equipment shall not be placed on National Forest land prior to actual use or be allowed to remain on National Forest land subsequent to actual use, but shall be stored at or removed to private land: Provided, That this will not preclude storage on National Forest land under permit for equipment storage.
35. (X-81) - This permit confers no right to the use of water by the permittee.
36. Approval is also subject to the list of conditions shown under item 7 of the application (copy of Swisher application attached).

AMENDMENT  
FOR  
SPECIAL USE PERMIT  
Ref: FSM 2714

a. Record no. (1-2) 70	b. Re. (3-4) 04	c. Forest (5-6) 10
d. District (7-8) 03	e. User number (9-12) 4083	f. Kind of use (13-15) 612
g. State (16-17) 49	h. County (18-20) 015	i. Cord no. (21) 1

THIS AMENDMENT IS ATTACHED TO AND MADE A PART OF THE

TERM  ANNUAL PERMIT

For Experimental - Demonstration issued to Arco Coal Company  
(KIND OF PERMIT) (NAME OF PERMITTEE)  
on 11/10/81  
(DATE OF PERMIT)

which is hereby amended as follows: Clause No. 2.  
Increases the minimum annual fee to \$25.00.

This Amendment is accepted subject to the conditions set forth herein, and to conditions \_\_\_\_\_ to \_\_\_\_\_ attached hereto and made a part of this Amendment.

PERMITTEE	NAME OF PERMITTEE Arco Coal Company	SIGNATURE OF AUTHORIZED OFFICER TITLE	DATE
ISSUING OFFICER	NAME AND SIGNATURE <i>W. E. Butler</i>	TITLE Acting Forest Supervisor	DATE 8/31/82

**SPECIAL USE PERMIT**

Act of June 4, 1897

This permit is revocable and nontransferable  
(Ref. FSM 2710)

Act of October 21, 1976 (P.L. 94-579)

a. Record no. (1-2)	b. Region (3-4)	c. Forest (5-6)
70	04	10
d. District (7-8)	e. User number (9-12)	f. Kind of use (13-15)
03	4083	612
g. State (16-17)	h. County (18-20)	k. Card no. (21)
49	015	1

Permission is hereby granted to Arco Coal Company

of P.O. Box 5300 - Denver, Colorado 80217

hereinafter called the permittee, to use subject to the conditions set out below, (the following described lands or improvements:

Little Bear Canyon Site: NW $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 9, T16S., R7E., Parshall flume with single stage sediment sampler to be located just downstream from Little Bear Spring stabilized with concrete riprap.

Upper Mill Fork Site: SE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 18, T16S., R7E., Parshall flume with single stage sediment sampler.

Lower Mill Fork Site: NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 22, T16S., R7E., Sharp-crested V-notch weir with single stage sediment sampler.)

Location of above sites shown on attached map

This permit covers .7 acres and/or - - miles and is issued for the purpose of: Operation of a streamflow and water quality monitoring network in the area of the Beaver Creek Coal Company's Huntington Canyon No. 4 Mine. The network is designed to assess the effects of possible subsidence and surface disturbance resulting from mining operations.

1. Construction or occupancy and use under this permit shall begin within 1 months, and construction, if any, shall be completed within 2 months, from the date of the permit. This use shall be actually exercised at least 365 days each year, unless otherwise authorized in writing.

2. In consideration for this use, the permittee shall pay to the Forest Service, U.S. Department of Agriculture, the sum of Ten Dollars (\$ 10.00 ) for the period from November 10 19 81, to December 31, 19 81, and thereafter annually on January 1

Ten Dollars (\$ 10.00 ) :  
Provided, however, Charges for this use may be made or readjusted whenever necessary to place the charges on a basis commensurate with the value of use authorized by this permit.

3. This permit is accepted subject to the conditions set forth herein, and to conditions 18 to 25 attached hereto and made a part of this permit.

PERMITTEE	NAME OF PERMITTEE	SIGNATURE OF AUTHORIZED OFFICER	DATE
	ARCO COAL COMPANY	<i>Don N. Steyer</i>	11/10/81
ISSUING OFFICER	NAME AND SIGNATURE	TITLE	DATE
	<i>Russ E. Butcher</i>	Acting Forest Supervisor	11/10/81

revision of layout or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the permittee as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current damage appraisal value; provided that the Forest Service reserves the right to dispose of the merchantable timber to others than the permittee at no stumpage cost to the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the premises as may be approved by the forest officer in charge.

5. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

6. This permit is subject to all valid claims.

7. The permittee, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

8. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

9. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, and shall pay the United States for any damage resulting from negligence or from the violation of the terms of this permit or of any law or regulation applicable to the National Forests by the permittee, or by any agents or employees of the permittee acting within the scope of their agency or employment.

10. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.

11. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

12. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to remove all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.

13. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner provided is qualified as a permittee and is willing that his future occupancy of the premises shall be subject to such new conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the issuing officer or his successor, issuance of a permit is desirable and in the public interest.

14. In case of change of address, the permittee shall immediately notify the forest supervisor.

15. The temporary use and occupancy of the premises and improvements herein described may be sublet by the permittee to third parties only with the prior written approval of the forest supervisor but the permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.

16. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the regional forester or the Chief, Forest Service.

17. In the event of any conflict between any of the preceding printed clauses or any provisions thereof and any of the following clauses or any provisions thereof, the following clauses will control.

18. (A-13) - A late payment charge in addition to the regular fees shall be made for failure to meet the fee payment due date or any of the dates specified for submission of statements required for fee calculation. The late payment charge shall be \$15, or an amount calculated by applying the current rate prescribed by Treasury Fiscal Requirements Manual Bulletins to the overdue amount for each 30-day period or fraction thereof that the payment is overdue, whichever is greater. If the due date falls on a nonworkday, the late payment charge will not apply until the end of the next workday.
19. (B-8) - The permittee shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of National Forest lands under this permit.
20. (D-2) - No waste or byproducts shall be discharged if it contains any substances in concentrations which will result in substantial harm to fish and wildlife, or to human water supplies.
- Storage facilities for materials capable of causing water pollution, if accidentally discharged, shall be located so as to prevent any spillage into waters, or channels leading into water, that would result in substantial harm to fish and wildlife or to human water supplies.
21. (D-3) - The permittee shall protect the scenic esthetic values of the area under this permit, and the adjacent land, as far as possible with the authorized use, during construction, operation, and maintenance of the improvements.
22. (D-4) - The permittee shall take reasonable precautions to protect, in place, all public land survey monuments, private property corners, and Forest boundary markers. In the event that any such land markers or monuments are destroyed in the exercise of the privileges authorized by this permit, depending on the type of monument destroyed, the permittee shall see that they are reestablished or referenced in accordance with (1) the procedures outlined in the "Manual of Instructions for the Survey of the Public Land of the United States," (2) the specifications of the county surveyor, or (3) the specifications of the Forest Service.
23. (E-4) - Unless sooner terminated or revoked by the Regional Forester, in accordance with the provisions of the permit this permit shall expire and become void on December 31, 1996, but a new permit to occupy and use the same National Forest land may be granted provided the permittee will comply with the then existing laws and regulations governing the occupancy and use of National Forest lands and shall have notified the Forest Supervisor not less than six months prior to said date that such new permit is desired.
24. (X-5) - The land herein described is subject to certain rights reserved by or outstanding in parties other than the United States, and nothing herein shall abridge said rights or authorize prevention or obstruction of the reasonable exercise thereof.

United States  
Department of  
Agriculture

Forest  
Service

Manti-LaSal  
National Forest

599 West Price River Dr.  
Price, Utah 84501

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Reply to: 2820  
7730

Date: MAY 22, 1987

Atlantic Richfield Company  
Anaconda Building  
555 17th Street  
Denver, Colorado 80217

Gentlemen:

The Performance Bond 8087 85 55 in the amount of \$8,500.00 for the Road Use Permit is no longer needed. Enclosed is a copy of this letter for your surety, Federal Insurance Company.

Sincerely,

**A.J. Frandsen**

A.J. FRANSEN  
Acting Forest Supervisor

Enclosure

cc: Dan Guy - Beaver Creek Coal Company

# RECLAMATION PERFORMANCE BOND

(Minerals Operating Plan and/or Exploration Permit, Including Geothermal)

(Reference FSM 6506)

Bond 8087 85 55

**INSTRUCTIONS:** (1) This form is authorized for use whenever a Performance Bond is required in connection with National Forest Reclamation Activity. (2) The full legal name and business address of the Principal shall be inserted in the space designated 'Principal' on the face of this form. The bond shall be signed by an authorized person. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of his authority must be furnished. (3) Corporations executing the bond as sureties must be among those appearing on the Treasury Department's list of approved sureties and must be acting within the limitations set forth therein. (4) Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the work 'Seal', and, if executed in Maine or New Hampshire, shall also affix an adhesive seal. (5) The name of each person signing this bond should be typed in the space provided.

<p><i>Principal (Legal name and business address)</i></p> <p>Atlantic Richfield Company Anaconda Building 555 17th St. Denver, CO 80217</p>	<p>Date Bond Executed July 2, 1981</p> <p>Type of Organization (<i>X</i> Appropriate Box)</p> <p><input type="checkbox"/> Individual</p> <p><input type="checkbox"/> Partnership</p> <p><input type="checkbox"/> Joint Venture</p> <p><input checked="" type="checkbox"/> Corporation</p>						
<p><i>Surety(ies) (Name(s) and business address(es))</i></p> <p>Federal Insurance Company 1385 S Colo. Blvd. #616 Denver, CO 80222</p>	<p>State of Incorporation Pennsylvania</p>						
<p><b>PENAL SUM OF BOND</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Million(s) \$</td> <td style="width:33%;">Thousand(s) \$</td> <td style="width:33%;">Hundred(s) \$</td> </tr> <tr> <td></td> <td style="text-align: center;">8</td> <td style="text-align: center;">500</td> </tr> </table>		Million(s) \$	Thousand(s) \$	Hundred(s) \$		8	500
Million(s) \$	Thousand(s) \$	Hundred(s) \$					
	8	500					

**KNOW ALL MEN BY THESE PRESENTS,** That we, the Principal and Surety(ies) hereto, are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum for the payment of which we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally: Provided, That, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum 'jointly and severally' as well as 'severally' only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.

**SCHEDULE OF OPERATING PLANS - REGION \_\_\_\_\_**

Name of National Forest	Operating Plan Number	Date	Amount Allocated to Operating Plan (\$)	Amount of Allocated Restored (\$)	Date Restored	Unallocated Balance (\$)
Manti-La-Sal						

THE CONDITION OF THIS OBLIGATION IS SUCH, That whereas the Principal has an interest in the Operating Plans identified in the Schedule of Operating Plans above; and

WHEREAS, the Principal and Surety agree that, without notice of the surety, the coverage of this bond, in addition to the present operating plans of the Principal, shall extend to and include:

1. Any operating plan approved by the Forest Service and issued to the Principal in the Region or Forests named above, or later named in a rider, the coverage to become effective immediately upon approval by the Forest Service.
2. Any operating plan hereafter approved by the Forest Service in the Region or Forests named above, to become effective immediately upon approval by the Forest Service.
3. Any extension of the operating plan, such coverage to continue without interruption due to expiration of the operating plan.
4. Any modification of an operating plan, include obligations thereunder, whether made by agreement, suspension of operations, or otherwise; and

WHEREAS, the Principal and Surety hereby agree that notwithstanding the termination of any operating plan covered by this bond, the bond shall remain in full force and effect as to all remaining operating plans covered by this bond.

NOW, THEREFORE, if the Principal shall: Perform and fulfill all the reclamation provisions of all operating plans referred to in the Schedule of Operating Plans and shall also perform and fulfill all the reclamation provisions of any and all duly authorized modifications of said operating plans that may hereafter be made, then the above obligations are to be void; otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the Principal and Surety(ies) have executed this reclamation bond and have affixed their seals on the date set forth above.

PRINCIPAL

Signature(s) Name(s) and Titles (Typed)	1.	(Seal)	2.	(Seal)	Corporate Seal
	1.		2.		

SURETY(IES)

Name and Address	Federal Insurance Company 1385 S Colo. Blvd. #616 Denver, CO 80222	State of Inc. N. J.	Liability Limit	Corporate Seal
Signature(s)	1. <i>Marjory Davis</i>	2.		
Name(s) and Titles (Typed)	1. Marjory Davis Attorney-in-Fact	2.		
Bond Premium	Rate Per Thousand \$ 3.75	Total \$	31.87	

Remarks

**POWER OF ATTORNEY**

Know all Men by these Presents, That the FEDERAL INSURANCE COMPANY, 100 William Street, New York, New York, a New Jersey Corporation, has constituted and appointed, and does hereby constitute and appoint **Robert W. Whitman, Marjory Davis, Robert E. Duncan and Bruce Bonar of Denver, Colorado**-----

each its true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds or obligations given or executed in the course of its business, and any instruments amending or altering the same, and consents to the modification or alteration of any instruments referred to in said bonds or obligations.

In Witness Whereof, the said FEDERAL INSURANCE COMPANY has, pursuant to its By-Laws, caused these presents to be signed by its Assistant Vice-President and Assistant Secretary and its corporate seal to be hereto affixed this **16th** day of **December** 19 **80**

FEDERAL INSURANCE COMPANY  
By



*George McClellan*

George McClellan  
Assistant Vice-President

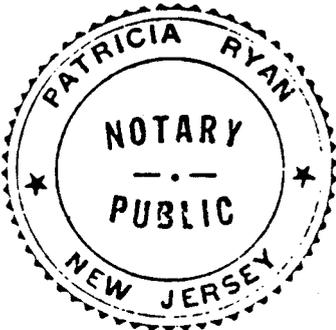
*Richard D. O'Connor*

Richard D. O'Connor  
Assistant Secretary

STATE OF NEW JERSEY }  
County of Essex } ss:

On this **16th** day of **December** 19 **80**, before me personally came Richard D. O'Connor to me known and by me known to be Assistant Secretary of the FEDERAL INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney, and the said Richard D. O'Connor being by me duly sworn, did depose and say that he is Assistant Secretary of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company, and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; and that he is acquainted with George McClellan and knows him to be the Assistant Vice-President of said Company, and that the signature of said George McClellan subscribed to said Power of Attorney is in the genuine handwriting of said George McClellan and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Acknowledged and Sworn to before me  
on the date above written.



*Patricia Ryan*  
Notary Public

PATRICIA RYAN  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires December 11, 19

CITY OF SHORT HILLS }

County of Essex }

ss.

I, the undersigned, Assistant Secretary of the FEDERAL INSURANCE COMPANY, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 11, 1953 and amended May 27, 1971 and that this By-Law is in force and effect

"ARTICLE XVIII.

Section 2. All bonds, undertakings, contracts and other instruments other than as above for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice-Chairman or the President or a Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in Section 3 below, may execute any such bond, undertaking or other obligation as provided in such resolution or power of attorney.

Section 3. All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the Vice-Chairman or the President or a Vice-President or an Assistant Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations."

And I further certify that I have compared the foregoing copy of the POWER OF ATTORNEY with the original thereof and the same is a correct and true copy of the whole of said original Power of Attorney and that said Power of Attorney has not been revoked.

And I further certify that said FEDERAL INSURANCE COMPANY is duly licensed to transact fidelity and surety business in each of the States of the United States of America, District of Columbia, Puerto Rico, and each of the Provinces of Canada with the exception of Prince Edward Island; and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by law.

Given under my hand and the seal of said Company at Short Hills, N.J., this 2nd day of

July, 19 81.

*Cecilia M. Hernandez*  
Assistant Secretary

**BOND**

# ORIGINAL

## R I D E R

RIDER to be attached to and form a part of Bond Number U-630694

on behalf of BEAVER CREEK COAL COMPANY  
(Name)

555 SEVENTEENTH STREET, DENVER, COLORADO 80202  
(Address)

as Principal, and in favor of STATE OF UTAH, DIVISION OF OIL, GAS AND MINING

as Obligee, executed by UNITED PACIFIC INSURANCE COMPANY as Surety,

in the amount of ONE HUNDRED FORTY-FOUR THOUSAND FORTY-ONE AND 60/100

Dollars (\$ 144,041.60 ) effective JULY 8, 19 88.

It is hereby understood and agreed that effective as of SEPTEMBER 5, 1991, the said bond has been amended as follows:

1) The Principal's Name has been changed from: BEAVER CREEK COAL COMPANY  
to: MOUNTAIN COAL COMPANY

2) Specific Language has been added:  
"In the event the Cooperative Agreement between the DIVISION and OSM is terminated, then the portion of the bond covering the Federal Lands will be payable only to the United States, Department of Interior, Office of Surface Mining."

Nothing herein contained shall vary, alter or extend any provisions or conditions of the bond other than as above stated.

SIGNED, SEALED AND DATED this 5TH day of SEPTEMBER, 19 91.



MOUNTAIN COAL COMPANY  
Principal

BY: Thomas H. Wasker  
Vice President

UNITED PACIFIC INSURANCE COMPANY  
Surety

BY: Dorothy M. Ivanoff  
DOROTHY M. IVANOFF  
ATTORNEY-IN-FACT

Reclamation Bond



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 10, 1986

Ms. Mary Cristaudo  
Bonding Representative  
Grant Hatch & Associates, Inc.  
P. O. Box 11809  
Salt Lake City, Utah 84147

Dear Ms. Cristaudo:

Re: Phase I Bond Release, Beaver Creek Coal Company,  
Huntington #4 Mine, INA/015/004, Folder #5, Emery County,  
Utah

The Division hereby approves the Phase I bond release of \$216,062.40, or 60 percent of the bond for the Huntington #4 Mine. This bond release is effective as of November 10, 1986.

Thank you for your cooperation.

Best regards,

A handwritten signature in cursive script that reads "Lowell P. Braxton".

Lowell P. Braxton  
Administrator  
Mineral Resource Development  
and Reclamation Program

PGL/djh  
cc: D. Guy, BCCC  
P. Grubaugh-Littig  
J. Whitehead  
8808R/9

PRINCIPAL

Bond No. U-630694

Signed and executed this 14<sup>th</sup> day of June, 1988:

By: Charles B. Smith



TITLE: Vice President

State of Colorado )

County of Denver ) SS.

The foregoing instrument was acknowledged before me by \_\_\_\_\_

Charles B. Smith, this 14<sup>th</sup> day of June, 1988.

Witness my hand and official seal.

William Bledt  
(Notary Public or other authorized officer)

My Commission Expires: Aug 22, 1991

SURETY

Signed and executed this 18TH day of MAY, 1988:

By: Daniel Ortiz  
DANIEL ORTIZ

TITLE: ATTORNEY-IN-FACT

State of CALIFORNIA )

County of LOS ANGELES ) SS.

The foregoing instrument was acknowledged before me by DANIEL ORTIZ,

ATTORNEY-IN-FACT, this 18TH day of MAY, 1988.

Witness my hand and official seal.



Cora V. Rodriguez  
(Notary Public or other authorized officer)  
CORA V. RODRIGUEZ

My Commission Expires: MARCH 24, 1989

RESIDENT AGENT FOR SERVICE

Resident Agent: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

\_\_\_\_\_ Address: \_\_\_\_\_  
(Printed Name)

Approved as to form and execution:

\_\_\_\_\_  
Attorney General

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Assistant

APPROVED: \_\_\_\_\_ Date: \_\_\_\_\_  
Coordinator of Mined Land Development

Permit No. \_\_\_\_\_

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

RECEIVED  
JUN 17 1998

DIVISION OF  
OIL, GAS & MINING

THE MINED LANDS RECLAMATION ACT  
BOND

\*\*\*\*\*

BOND NO. U-630694

Know all men by these presents, that we the undersigned, BEAVER CREEK COAL COMPANY

(State name and form of business organization of the Permit Applicant)

duly authorized to do business in the State of Utah, AS PRINCIPAL, and UNITED PACIFIC  
INSURANCE COMPANY

a corporation organized and existing under the laws of the State of Washington and duly authorized to do business in the State of Utah, AS SURETY, are held and firmly bound unto the STATE OF UTAH, DIVISION OF OIL, GAS, AND MINING, in the sum of ONE HUNDRED FORTY FOUR THOUSAND FORTY-ONE DOLLARS AND 60/100 DOLLARS (\$144,041.60), lawful money of the United States, to be paid to the State of Utah, Division of Oil, Gas, and Mining and the United States Department of the Interior, Office of Surface Mining, upon order of forfeiture by the State of Utah, Division of Oil, Gas, and Mining, for the payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH that whereas the above named principal did on the 16th day of March, 1976, file with the Division of Oil, Gas, and Mining a "Notice of Intention to Commence Mining Operations" and a "Mining and Reclamation Plan", to secure authorization to engage in mining operations in the State of Utah, under the terms and provisions of the Mined Land Reclamation Act; that in said Notice the principal estimated that 1,320.46 acres of land will be affected by mining. Said land is described as follows:

All of Section 16	T16S, R7E	640 acres more or less
E/2 Section 17	T16S, R7E	320 acres more or less
SW/4 Section 8	T16S, R7E	160 acres more or less
S/2SE/4 Section 8	T16S, R7E	80 acres more or less
S/2S/2 less SE/4SE/4 Section 9	T16S, R7E	120 acres more or less
Pumping facility beginning at a point 555 feet west and 85 feet south of the NE corner of the NE/4, Section 21, thence 100 feet south, thence 200 feet west, thence 100 feet north, thence 200 feet east to point of beginning.		
	T16S, R7E	0.46 acres more or less

All above lands in Emery County, Utah

Now, therefore, the conditions of the obligation are such that, this bond shall remain in full force and effect until either released or forfeited pursuant to the provisions of the Utah Mined Land Reclamation Act and the Surface Mining Control and Reclamation Act of 1977 PL(95-87) and any rules and regulations adopted pursuant to said Acts.

(THIS BOND REPLACES FEDERAL INSURANCE COMPANY BOND NUMBER 8082-89-88)

# UNITED PACIFIC INSURANCE COMPANY

HEAD 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

DANIEL ORTIZ of LOS ANGELES, CALIFORNIA -----

as true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on his behalf, and as his 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, 1978, 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 void and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be void 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 23rd day of June 1987



UNITED PACIFIC INSURANCE COMPANY

*Charles B. Schmalz*  
Vice President

STATE OF Washington }  
COUNTY OF King }

On this 23rd day of June, 1987, personally appeared Charles B. Schmalz

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:

May 15, 1990



*Pamela Young*  
Notary Public in and for State of Washington  
Residing at Tacoma

I, Lawrence W. Carlstrom, 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 18th day of MAY 1988



Assistant Secretary *Lawrence W. Carlstrom*  
Lawrence W. Carlstrom

# LIABILITY INSURANCE

This Certificate of Insurance neither affirmatively nor negatively extends or alters the coverage, limits, terms or conditions of the policies it certifies.

*Original in Liepman file - Copy #4*  
 ACT/015/004



hi: Certify to

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

*Susan -*

*FBI, then returned to me.*

COMPANY CODES *Copy DAM*

- 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

at 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

Operating in accordance with the terms thereof, at the following location(s):

Including Mountain Coal Company and ARCO Coal Company

TYPE OF POLICY	HAZARDS	CO. CODE	POLICY NUMBER	POLICY PERIOD	LIMITS OF LIABILITY
<b>a) Standard Workmen's Compensation &amp; Employers' Liability</b>	<input type="checkbox"/>	<input type="checkbox"/>			Statutory W. C. One Accident and Aggregate Disease
<b>b) General Liability</b>					
<b>Bodily Injury:</b> Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 519134-A	01-01-93 to 01-01-96	\$*See Below Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence \$ Aggregate—Completed Operations/Products
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"/>			
<b>Property Damage:</b> Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 519134-A	01-01-93 to 01-01-96	\$*See Below Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence \$ Aggregate—Prem./Oper. \$ Aggregate—Protective \$ Aggregate—Completed Operations/Products \$ Aggregate—Contractual
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"/>			
<b>(c) Automobile Liability</b>					
<b>Bodily Injury:</b> Owned Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			\$ Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
Hired Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			
Non-owned Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Property Damage:</b> Owned Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			\$ Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
Hired Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			
Non-owned Automobiles	<input type="checkbox"/>	<input type="checkbox"/>			
<b>(d) INCLUDES "XCU" COVERAGE</b>					* \$500,000 Combined Single Limit, per occurrence/aggregate where applicable.

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

(Check Applicable)  a contract  
 purchase order agreements  
 all contracts } between the Insured and:

In the event of cancellation of the policy or policies by the company, forty five (45) days' written notice of such cancellation will be given to you at the address stated above.

NAME OF OTHER PARTY \_\_\_\_\_ DATE (if applicable) \_\_\_\_\_ CONTRACT NO. (if any) \_\_\_\_\_

DESCRIPTION (OR JOB)  
 Huntington Canyon #4 Mine INA/015/004

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) contract agreement, or (5) elevator maintenance agreement.

# **WATER MONITORING**

Mining and Reclamation Plan  
Huntington Canyon No. 4 Mine Permit Application

Figure 7-10

STREAMFLOW AND WATER QUALITY MONITORING PROGRAM

HUNTINGTON CANYON NO. 4 MINE

<u>Station</u>	<u>Location</u>	<u>Type</u>	<u>Frequency</u>	<u>Flow Device</u>	<u>Results to:</u>	<u>Remarks</u>
4-1W	Little Bear Spring Manhole	Piped Spring	Bi-Annual Quality Monthly-Flow	Meter(CVSSD)	DOGM, (Annual Report)	Flow and Quality Measurements supplied by Castle Valley Special Service District
4-3-W	Upper Mill Fork	Intermittent Stream	Quarterly	Crest Gage, Staff gage & rating curve	DOG&M	
4-6-W	Inflow to Sed. Pond	Surface Runoff	Monthly	Portable flume	DOG&M	
4-7-W	Outflow from Sed. Pond	Discharge	Monthly	Portable flume	DOG&M EPA	Monitored as per NPDES Permit
4-8-W	Lower Mill Fork	Intermittent Stream	Quarterly	2 ft. Parshall Flume	DOG&M	

HUNTINGTON 1992 SPRING FLOWS

Month	Little Bear Spring		Big Bear Spring		Tie Fork Spring	
	Total Flow	Aver GPM Flow	Total Flow	Aver GPM Flow	Total Flow	Aver GPM Flow
January	12,075,000	270	5,638,000	126	3,733,000	84
February	10,878,000	260	5,354,000	128	3,463,000	83
March	11,217,000	251	5,406,000	121	3,687,000	83
April	9,908,000	229	5,414,000	125	3,564,000	83
May	9,640,000	216*	5,517,000*	124	3,725,000	83
June	9,644,000	223*	5,713,000	132	3,576,000	83
July	10,849,000	243	5,472,000	123	3,726,000	83
August	11,254,000	252	5,012,000	112	3,718,000	83
September	11,048,000	247	4,789,000	107	3,546,000	79
October	11,255,000	252	4,781,000	107	3,611,000	81
November	10,631,000	246	4,481,000	104	3,459,000	80
December	10,564,000	237	4,455,000	100	3,524,000	79
Total	128,963,000	244	62,032,000	118	43,332,000	82

\*Discovered a broken pipe at lower spring



# **BLACKHAWK ENGINEERING, CO.**

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

January 29, 1993

Ms. Pamela Grubaugh-Littig  
Utah Division of Oil, Gas & Mining  
355 West North Temple  
#3 Triad Center, Suite 350  
Salt Lake City, Utah 84190-1203

Dear Ms. Littig:

Enclosed are the results of the Mountain Coal company water monitoring for the fourth quarter of 1992.

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

Respectfully,

Dan W. Guy  
President

DWG/cr

Enclosures

cc: Kathy Welt  
File 4-E-2-1  
WTRMON

E.I.S. Hydrology  
Field Measurements Form

Date 11/17/92

Station # 4-3W

Company Mt. Coal

Time 10:59

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature 46

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream  Well \_\_\_\_\_ Discharge \_\_\_\_\_ NPDES \_\_\_\_\_

Collection Point Upper Mill Fork

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments 4" Snow Cover

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: D

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

SYN LAB # 1117923

**WATER MONITORING REPORT**

Property: BCCC #4 Mine  
 Station: 4-3W  
 Location: Upper Mill Fork  
 Type: E. Stream  
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	02/25/92	05/06/92	08/31/92	11/17/92	
Flow [gpm]	N/A	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

E.I.S. Hydrology  
Field Measurements Form

Date 10/16/92 Station # H-6W

Company M.H. Leal

Time 10:40

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature 81

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream  Well \_\_\_\_\_ Discharge \_\_\_\_\_ NPDES \_\_\_\_\_

Collection Point Taplow Pond

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments \_\_\_\_\_

Field Monitor M.H. Leal

When Sample or Measurements Not Taken:

Reason: D

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

SYN LAB # 1006920

E.I.S. Hydrology  
Field Measurements Form

Date 11/17/92 Station # 4-6W

Company Mt Coal

Time 10:59

Flow/Depth 0

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature 48

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream \_\_\_\_\_ Well \_\_\_\_\_ Discharge  NPDES \_\_\_\_\_

Collection Point Inflow to Pond

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments Pond being cleaned

Field Monitor \_\_\_\_\_

When Sample or Measurements Not Taken:

Reason: 0

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

3YN LAB # 1117924

E.I.S. Hydrology  
Field Measurements Form

Date 12/22/92

Station # H-66

Company M. Paul

Time 8:10

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature 21°

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream \_\_\_\_\_ Well \_\_\_\_\_ Discharge  NPDES \_\_\_\_\_

Collection Point \_\_\_\_\_

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments \_\_\_\_\_

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: D

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

SYN LAB # 1222920

**WATER MONITORING REPORT**

Property: BCCC #4 Mine  
 Station: 4-6W  
 Location: Inflow to Sed. Pond  
 Type: Surface Runoff  
 Frequency: Monthly

Field Measurements	Date Sampled										
	01/06/92	02/25/92	03/30/92	04/08/92	05/06/92	06/10/92	07/20/92	08/31/92	09/23/92	10/06/92	11/17/92

Flow [gpm]	DRY	N/A	N/A	DRY							
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

PH

Sp.Con. [ohms]

Temp [C]

Diss. O. [ppm]

Lab. Meas. [mg/l]

TDS

TSS

O & G

CaCO3

Hd CaCO3

Ac CaCO3

HCO3

CO3

Cl

SO4

Ca

Mg

K

Na

Cat/An

Fe



E.I.S. Hydrology  
Field Measurements Form

Date 10/6/92 Station # 4-7W

Company MV Coal

Time 10:40

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature \_\_\_\_\_

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream \_\_\_\_\_ Well \_\_\_\_\_ Discharge  NPDES \_\_\_\_\_

Collection Point Culflow from Pond

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments \_\_\_\_\_

Field Monitor J. A. Cooney

When Sample or Measurements Not Taken:

Reason: D

D = Dry F = Frozen NA = Not Accessable N/R = Not Required

SYN LAB # 1006921

111

48

Stream  Well

Water: Clear  Milky

Alkalinity: Yes  No

*[Handwritten scribbles]*

Dry  Frozen  N/A = No Access  *[unclear]*

SYN LAB#  
1117929

E.I.S. Hydrology  
Field Measurements Form

Date 4/22/92

Station # 4-7W

Company MM Coal

Time 12:10

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature \_\_\_\_\_

Dissolved Oxygen \_\_\_\_\_

Type: Spring \_\_\_\_\_ Stream  Well \_\_\_\_\_ Discharge \_\_\_\_\_ NPDES \_\_\_\_\_

Collection Point Tray

Appearance of Water: Clear \_\_\_\_\_ Milky \_\_\_\_\_ Cloudy \_\_\_\_\_ Opaque \_\_\_\_\_

Quality Sample Taken: Yes \_\_\_\_\_ No

Pump Reading \_\_\_\_\_

Comments \_\_\_\_\_

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: D

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

SYN LAB # 1222921

WATER MONITORING REPORT

Property: BCCC #4 Mine  
Station: 4-7W  
Location: Sed. Pond Discharge  
Type: NPDES  
Frequency: Monthly

Date Sampled

Field Measurements 01/06/92 02/26/92 03/30/92 04/08/92 05/06/92 06/10/92 07/20/92 08/31/92 09/23/92 10/06/92 11/17/92

Flow [gpm] DRY N/A N/A DRY DRY DRY DRY DRY DRY DRY

PH

Sp. Con. [ohms]

Temp [C]

Diss. O. [ppm]

Lab. Meas. [mg/l]

TDS

TSS

O & G

l CaCO3

Hd CaCO3

Ac CaCO3

HCO3

CO3

Cl

SO4

Ca

Mg

K

Na

Cat/An

Fe



E.I.S. Hydrology  
Field Measurements Form

Date 4/17/92 Station # 4-8W

Company M.H. Coal

Time 11:10

Flow/Depth D

pH \_\_\_\_\_

Specific Conductivity \_\_\_\_\_

Water Temperature \_\_\_\_\_

Air Temperature \_\_\_\_\_

Dissolved Oxygen \_\_\_\_\_

Type: Spring\_\_\_ Stream  Well\_\_\_ Discharge\_\_\_ NPDES\_\_\_

Collection Point Lower Mill Fork

Appearance of Water: Clear\_\_\_ Milky\_\_\_ Cloudy\_\_\_ Opaque\_\_\_

Quality Sample Taken: Yes\_\_\_ No

Pump Reading \_\_\_\_\_

Comments \_\_\_\_\_

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: [Signature]

D = Dry F = Frozen N/A = Not Accessable N/R = Not Required

3YN/LAB # 1117925

**WATER MONITORING REPORT**

Property: BCCC #4 Mine  
 Station: 4-8W  
 Location: Lower Mill Fork  
 Type: Int. Stream  
 Frequency: Quarterly

Field Measurements	Date Sampled				Mean
	02/25/92	05/06/92	08/31/92	11/17/92	
Flow [gpm]	N/A	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

**U.P.D.E.S.  
DISCHARGE DATA**



# **BLACKHAWK ENGINEERING, CO.**

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

January 29, 1993

Mr. 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 Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the fourth quarter of 1992.

Please note that the Trail Mountain Mine has been sold to Pacificorp and permit UTG04003 has been transferred to them.

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

Respectfully,

Dan W. Guy  
President

Enclosures

cc: Donna Franklin, E.P.A.  
Lowell Braxton, UDOGM  
Kathy Welt  
File

DWG/cr



# **BLACKHAWK ENGINEERING, CO.**

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

January 29, 1993

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 Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the fourth quarter of 1992.

Please note that the Trail Mountain Mine has been sold to Pacificorp and permit UTG04003 has been transferred to them.

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', is written over a horizontal line.

Dan W. Guy  
President

Enclosures

cc: Kathy Welt

DWG/cr



# **BLACKHAWK ENGINEERING, CO.**

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

January 29, 1993

Mr. Lowell Braxton, Administrator  
Utah Division of Oil, Gas & Mining  
355 West North Temple  
#3 Triad Center, Suite 350  
Salt Lake City, Utah 84190-1203

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the pre-printed DMRs provided by the State of Utah, and cover the fourth quarter of 1992.

Please note that the Trail Mountain Mine has been sold to Pacificorp and permit UTG04003 has been transferred to them.

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

Respectfully,

Dan W. Guy  
President

DWG/cr

Enclosures

cc: Kathy Welt  
File



# ENVIRONMENTAL INDUSTRIAL SERVICES

4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

January 22, 1993

Utah Department of Health  
Bureau of Water Pollution Control  
288 North 1460 West, P.O. Box 16690  
Salt Lake City, Utah 84116-0690

Re: New UNPDES Forms

Dr. Hilden:

Please find enclosed the fourth quarter, 1992 UNPDES for Mountain Coal (Beaver Creek).

As of this date, Mt. Coal has <sup>one</sup>no active property in Utah and subsequently, we would like to order new pre-printed UNPDES forms reflecting this change.

The new forms need to be changed as follows:

Name: Mountain Coal Co.  
Address: P.O. Box 591  
Somerset, CO 81434

ATTN: Kathleen Welt

The property locations are as follows:

	<u>Permit #</u>	<u>Discharge #</u>	<u>Location</u>
#2 & 7 Mine	UTG040004	001 A	Gordon Creek
#4 Mine	UTG040015	001 A	Huntington-Mill Fork
(Active) CV Spur	UTG040005	001 A	CV Spur
#3 & 6 Mine	UTG040014	001 A	Coal Canyon

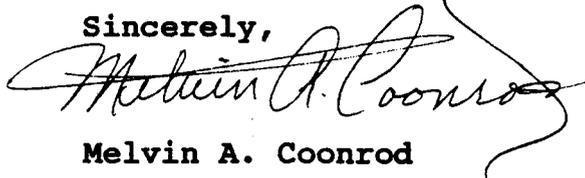
Since our firm, E.I.S. will continue to monitor the locations and fill out the forms, would you please direct the new forms and your correspondence to our new address.

E.I.S.  
4855 N. Spring Glen Road  
Helper, Utah 84526

ATTN: Melvin A. Coonrod

If you have any questions please feel free to call at 801 472-3814.

Sincerely,

A handwritten signature in cursive script that reads "Melvin A. Coonrod". The signature is written in dark ink and is positioned to the right of the typed name.

Melvin A. Coonrod

MC/njc

cc: Dan W. Guy, Mt. Coal Co.

PERMITTEE NAME: BEAR CREEK COAL  
 ADDRESS: P.O. BOX 1378  
 PRICE UT 84501

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

UTG040015 (17-19) 001 A  
 PERMIT NUMBER DISCHARGE NUMBER

MINOR Form Approved. OMB No. 2040-0004.  
 P - FINAL Approval expires 6-30-91.  
 WITHIN FOREST SVC BOUNDARY

FACILITY LOCATION: ATTN: DAN W. GUY

MONITORING PERIOD  
 FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 12 DAY 31  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE | X | \*\*\*  
 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 (54-63)				NO. OF ANALYSIS (64-68)	FREQUENCY OF ANALYSIS (69-70)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE				( 07 )	*****	*****	*****	( )			
00056 1 0 0 EFFLUENT GROSS VALUE	REPORT REQUIRED DAILY	REPORT REQUIRED DAILY	REPORT REQUIRED DAILY	GPD				***			
PH		*****	*****	( )		*****		( 12 )			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY	*****	5.0 DAILY	SO			
SOLIDS, TOTAL SUSPENDED		*****	*****	( )	*****			( 19 )			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	25	70	MG/L			
SOLIDS, SETTLEABLE		*****	*****	( )	*****	*****		( 25 )			
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY	ML/L			
OIL AND GREASE		*****	*****	( )	*****	*****		( 19 )			
FREON EXTR-GRAV METH		*****	*****	***	*****	*****	10	MG/L			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10	MG/L			
IRON, TOTAL (AS FE)		*****	*****	( )	*****	*****		( 19 )			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****		MG/L			
SOLIDS, TOTAL DISSOLVED		*****	*****	( 26 )	*****	*****		( 19 )			
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/D	*****	*****		MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Kathleen Welt  
 Environmental Supervisor  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON ON MY OWN OR THROUGH OTHERS. I BELIEVE THE INFORMATION OBTAINED IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THE SIGNING OFFICER IS SUBJECT TO THE PENALTIES FOR SUBMITTING FALSE INFORMATION. THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 33 USC § 1319. (Penalties under these statutes may include fines up to \$20,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE: 303 9295015  
 DATE: 93 01 29

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 APPROPRIATE ROW.

**Mountain Coal Company**

Trail Mountain Mine  
Post Office Box 1378  
Price, Utah 84501  
Telephone 801 637-5050 (Price Office)  
801 637-5203 (Mine Office)  
801 748-2140 (Mine Site)



October 30, 1992

Mr. 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 Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the third quarter of 1992.

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

Respectfully,

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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

**Mountain Coal Company**

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October 30, 1992

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:

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Respectfully,

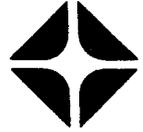
Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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October 30, 1992

Mr. Lowell Braxton, Administrator  
Utah Division of Oil, Gas & Mining  
355 West North Temple  
#3 Triad Center, Suite 350  
Salt Lake City, Utah 84190-1203

Dear Mr. Braxton:

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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". The signature is fluid and cursive, with a large initial "D" and "G".

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

PERMITTEE NAME: BEAR COAL  
 Facility Name/Location: BEAR COAL  
 ADDRESS: P.O. BOX 1378  
PRICE UT 84501  
 FACILITY: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ATTN: DAN W. GUY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**UTG040015** **001 A**  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR 92 MO 07 DAY 01 TO YEAR 92 MO 09 DAY 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MINOR Form Approved.  
 OMB No. 2040-0004.  
 F - FINAL Approval expires 6-30-91.  
 WITHIN FOREST SVC BOUNDARY

\*\*\* NO DISCHARGE ~~1~~ \*\*\*  
 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	UNITS			
FLOW RATE				( 07 )	*****	*****	*****	( )			
00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****	***		ONCE/ MONTH	HEARD
	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD				***			
PH	SAMPLE MEASUREMENT	*****	*****	( )		*****		( 12 )			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MX	*****	9.0 DAILY MX	SU		TWICE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	( )	*****			( 19 )			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	25 30 DA AV	70 DAILY MX	MG/L		ONCE/ GRAB MONTH	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 25 )			
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	ML/L		ONCE/ GRAB MONTH	
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 19 )			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 19 )			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0 DAILY MX	MG/L		ONCE/ GRAB MONTH	
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	*****		( 26 )	*****	*****		( 19 )			
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	2000 DAILY MX	LBS/DY	*****	*****	REPORT DAILY MX	MG/L		ONCE/ GRAB MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.)					TELEPHONE			DATE		
Dan W. Guy Chief Engineer						801 637-7742			92 10 29		
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR

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

Trail Mountain Mine  
Post Office Box 1378  
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Telephone 801 637-5050 (Price Office)  
801 637-5203 (Mine Office)  
801 748-2140 (Mine Site)



July 30, 1992

Mr. 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 Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the second quarter of 1992.

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

Respectfully,

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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

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July 30, 1992

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

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Respectfully,

A handwritten signature in cursive script that reads "Dan W. Guy".

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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Utah Division of Oil, Gas & Mining  
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Salt Lake City, Utah 84190-1203

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Respectfully,

A handwritten signature in black ink, appearing to read "Dan W. Guy", with a long horizontal flourish extending to the right.

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

PERMITTEE NAME: BEA CREEK COAL  
 ADDRESS: P.O. BOX 1378 PRICE UT 84501

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)  
 UTG040015 001 A  
 PERMIT NUMBER DISCHARGE NUMBER

MINOR Form Approved. OMB No. 2040-0004.  
 F - FINAL Approval expires 6-30-91.  
 WITHIN FOREST SVC BOUNDARY

FACILITY LOCATION: ATTN: DAN W. GUY

MONITORING PERIOD  
 FROM YEAR 92 MO 04 DAY 01 TO YEAR 92 MO 06 DAY 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read instructions before completing this form.

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE ( 07 )			*****	*****	*****	( )		
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	***		
PH	SAMPLE MEASUREMENT	*****	*****	( )		*****	( 12 )			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5	*****	9.0	***	THICK/SLIM	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	( )	*****			( 19 )		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	25	70	***	THICK/SLIM	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 25 )		
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	***	THICK/SLIM	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 19 )		
FREON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10	***	THICK/SLIM	
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 19 )		
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	( )	*****	*****		( 19 )		
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	2.0	***	THICK/SLIM	
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	*****	*****	( 26 )	*****	*****		( 19 )		
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/PT	*****	*****	REPORT DAILY MX	***	THICK/SLIM	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Dan W. Guy  
 Chief Engineer  
 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 \$250,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE: 801 637-7742  
 DATE: 92 07 15  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
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801 748-2140 (Mine Site)



April 29, 1992

Mr. 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:

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

Respectfully,

A handwritten signature in cursive script that reads "Dan W. Guy".

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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

**Mountain Coal Company**

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April 29, 1992

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

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Respectfully,

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Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures

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Respectfully,

Dan W. Guy  
Manager Permitting/Compliance

DWG/cr

Enclosures



# ENVIRONMENTAL INDUSTRIAL SERVICES

P.O. Box 358 - Desert Lake Road - Elmo, Utah 84521 - Telephone (801) 653-2606

---

April 29, 1992

Mr. Dan Guy  
Permitting and Compliance  
Mountain Coal Comapany  
P.O. Box 1378  
Price, Utah 84501

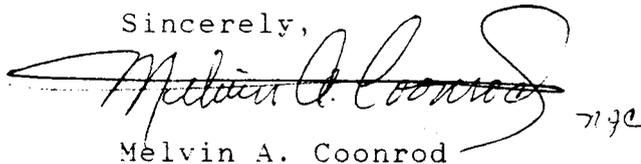
RE: NPDES Discharge Points  
Mt. Coal Properties

Dear Mr. Guy:

During the first quarter of 1992, no discharge was recorded for any of the discharge points on the Mountain Coal Properties.

If you have any questions, please feel free to call me at 801 653-2606.

Sincerely,

A handwritten signature in cursive script that reads "Melvin A. Coonrod". To the right of the signature, the initials "njc" are written in a smaller, simpler font.

Melvin A. Coonrod

MC/njc

# **POND INSPECTIONS**

E.I.S Hydrology  
Pond Inspection Report

POND: #4

LOCATION: Mill Creek

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 - Pond Clean</u>
(5) Recommendations/Comments	<u>None - Pond Now Closed -</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]  
Inspector

Date 12/12/97

E.I.S Hydrology  
Pond Inspection Report

POND: 04

LOCATION: Mill Fork

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>Upper Cell @ 10% Lower Cell Dry 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]  
Inspector  
9/3/92  
Date

E.I.S Hydrology  
Pond Inspection Report

POND: #4

LOCATION: Mill Fork

<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>Upper Cell - 10" Water</u> <u>Lower Cell Dry</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.

9/6/95  
Inspector  
[Signature]  
Date

E.I.S Hydrology  
Pond Inspection Report

POND: 44

LOCATION: Mill Falls

ITEM	REMARKS
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None - 15" Snow Covered</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>Pond Upper Cell - 14" below - 12" Lower cell - Dry</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]  
Inspector

1/6/92  
Date

**SUBSIDENCE  
SURVEY**

1992 SUBSIDENCE INVENTORY REPORT

# 4 MINE

MILL FORK CANYON

Mountain Coal Company  
P.O. Box 591  
Somerset, CO 81434

Submitted by:

Environmental Industrial Services  
4855 N. Spring Glen Road  
Helper, Utah 84526

October 8, 1992

Subsidence Inventory  
#4 Mine, Mill Fork Canyon

SCOPE:

Beaver Creek Coal Company's #4 Mine located approximately 3 miles from the confluence of Mill Fork Creek and the Huntington River, was abandoned in the fall of 1985.

Since reclamation activities, the site has been monitored relative to vegetation success, surface and ground water quantity and quality and any evidence of subsidence. The total area comprises approximately 1,200 acres. Only 20 surface acres were disturbed in the course of mining and reclamation activities. Approximately 600 acres of the area was undermined and as such has the potential for subsidence. It was this area that was inventoried to determine if: (1) subsidence is in evidence, and, (2) if there has been adverse impacts as a result of that subsidence.

METHODOLOGY:

The actual inventory consisted of a foot inventory on September 12th and 14th of 1992.

The ground inventory was conducted by horseback and foot from the top of East Mountain, down the central ridge between Mill Fork and Crandall Canyon. The ridge was inventoried out the east and

west branches of Little Bear to their intersection of Huntington Canyon. Particular attention was paid to those areas surrounding the 5 known springs and seeps, as well as the escarpments directly above the areas where maximum pillar removal had occurred. The work was implemented in conjunction with a similar survey being done for Genwal Mine located in Crandall Canyon. The area was first flown to attempt to see any evidence of subsidence. Then a crew was dropped off at the top of the ridge and the area was walked. All evidence of subsidence such as sloughs, escarpment failure, slumps or tension fractures were to be located on a map and identified. After two days of searching, the area was felt to be adequately inventoried.

#### RESULTS:

No evidence of subsidence was located. All springs and seeps were located and appeared to correspond to historical flow data. It was noted the area was heavily utilized by domestic and wildlife grazing and a well established trail led to each source of water.

All the man made structures; (1) radio tower, and (2) power lines, appeared to have suffered no adverse impact as a result of subsidence. No evidence of subsidence was observed from the air or as a result of the ground survey.

**VEGETATION  
MONITORING**



# ENVIRONMENTAL INDUSTRIAL SERVICES

4855 N. Spring Glen Rd., Spring Glen, UT 84526 - Telephone (801) 472-3814 - FAX (801) 472-8780

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March 31, 1993

Mr. Dan W. Guy  
Mountain Coal Company  
Rt. 1, Box 146-H5  
Helper, Utah 84526

Re: Qualitative Survey  
Vegetation #4 Mine

Dear Mr. Guy:

During the period of June 15, 1992 through July 2, 1992, E.I.S. had personnel at the #4 Mine site repairing damage resulting from a 100 year-event storm. In conjunction with that work, I inventoried the entire property in an attempt to ascertain any potential problems with the revegetation effort.

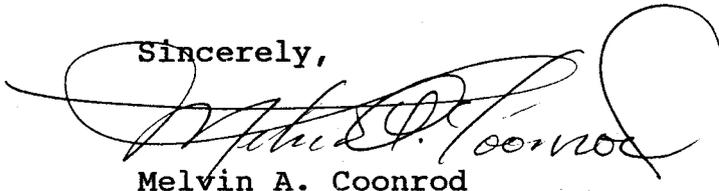
Overall, vegetative cover is good to excellent with isolated pockets of sparse vegetation as a result of; (1) erosion, and, (2) sloughing. These areas are confined primarily to the steeper cuts and the disturbance associated with the new channel alignment.

There is an abundance of seed being produced on and adjacent to these sites and I feel confident that no remedial seeding is required.

Woody plant density and species diversity appears very good, with a high percentage of survival of the seedings and a good catch by the woody plant seeding.

There was considerable evidence of high usage by wildlife, principally elk, however, the site did not seem adversely impacted other than some cropping of the Mt. Mahogany and some Ponderosa Pine were girdled.

Sincerely,



Melvin A. Coonrod

**ANNUAL  
IMPOUNDMENT  
CERTIFICATIONS**

MOUNTAIN COAL COMPANY  
1992 ANNUAL POND INSPECTION REPORT

POND: SED. POND

LOCATION: HUNT. CYN. NO. 4

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
(2) Structural Weakness/Erosion	<u>Vegetated.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>None Noted.</u>
(5) Existing Storage Capacity	<u>N/A - Dry.</u>
(6) Monitoring Procedures	<u>0.72 Ac. Ft.</u>
	<u>Quarterly Inspection.</u>
	<u>U.P.D.E.S. Discharge.</u>

SEDIMENT PONDS ONLY

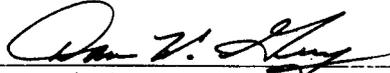
(7) Sediment Accumulation (Elev.)	<u>94.7 (U)</u>	<u>80.0 (L)</u>
(8) Sediment Cleanout Level (Elev.)	<u>93.2 (U)</u>	<u>80.4 (L)</u>
(9) Principle Spillway (Elev.)	<u>95.2 (U)</u>	<u>84.6 (L)</u>
(10) Emergency Spillway (Elev.)	<u>98.2 (U)</u>	<u>84.6 (L)</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.00 - Pond Needs to be Cleaned.</u>	

GENERAL

(12) Comments/Recommendations	<u>Pond Scheduled for</u>
	<u>Cleaning - 11/92.</u>
	<u>No Discharge.</u>

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

  
(Signature)

10-28-92  
(Date)

