

MOUNTAIN COAL COMPANY
1994 ANNUAL REPORT
C.V. SPUR

Coal Annual Reports Review- 1994
Due June 30, 1995

Mine Name C.V. Spur headout

Date Submitted March 31, 1995

Compliance/Permitting Revised At Mine Site / Partial Inspection

Instructions: Please review and verify operational commitments and note. Review annual report, initial and date when reviewed. If deficient, a hindrance violation should be prepared and noted in the inspection report. Please forward to appropriate permitting staff, if necessary, when completed. Inspectors should have all annual reports reviewed by June 30, 1995. Please return the completed form to PGL when completed. These reports will be returned to the Division in Salt Lake for filing in the library. Daron/Joe will assign permitting staff to review. Permitting staff should have all annual reports completed by September 30, 1995. Thank you.

Sections to be reviewed:

Cover Sheet and Mine Sequence Map-Reviewed (Initial/Date) JDM 5/4/95

Summarized Water Monitoring Data - Reviewed JDM 5/4/95 (Ken)

Precipitation and Climatological Data -Reviewed JDM 5/4/95 (Ken)

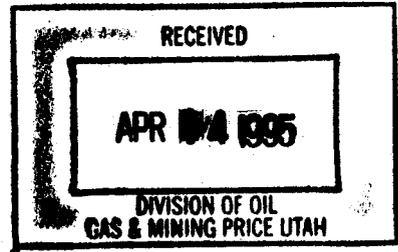
Subsidence Monitoring Report - Reviewed N/A

Vegetation Data/Revegetation Success Monitoring Reviewed JDM 5/4/95 (Paul/Susan)

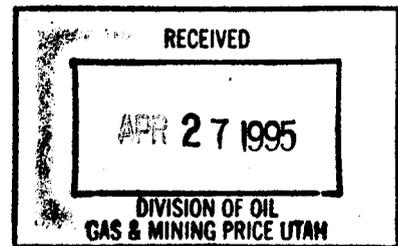
Annual Impoundment Certification - Reviewed JDM 5/4/95

Annual Overburden, Spoil, Refuse, Roof, Floor, etc Reviewed JDM 5/4/95

AVS Legal/Financial Update (Fourth Quarter complete)
Reviewed JDM 5/4/95 (Pam)



MOUNTAIN COAL COMPANY
1994 ANNUAL REPORT
C.V. SPUR



Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



March 31, 1995

Mr. Lowell Braxton
Associate Director, Mining
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
1994 Annual Report
C.V. Spur Loadout Facility
ACT/007/022
Carbon County, Utah

Dear Mr. Braxton:

Enclosed is the Annual Report for Coal Mining and Reclamation Operations for 1994 for the C.V. Spur Loadout Facility.

If you have any questions, or need any further information, please contact me or Paige Beville at ARCO Coal Company.

Respectfully,

Dan W. Guy P.E.
for
Paige B. Beville

cc: Paige Beville - ARCO Coal Company
File

COAL MINING AND RECLAMATION OPERATIONS FOR 1994

(Must be submitted to the Division by April 14, 1995)

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: C.V. SPUR LOADOUT FACILITY
Mailing Address: P.O. BOX 591, SOMERSET, COLO. 81434
Company Representative: PAIGE B. BEVILLE
Resident Agent: THE CORP. TRUST CO. 1209 ORANGE ST. WILMINGTON, DELAWARE
Permit Number: ACT 1077/022 19801
MSHA ID Number: 42-01444
Date of Initial Permanent Program Permit: 09/24/81
Date of Permit Renewal: 08/07/94
Quantity of Coal Mined (tonnage) 1994: 219,259 TONS (SHIPPED)

Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1994.
(Same as Lease Royalty Payment Map and/or MSHA Progress Map)

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

A. General

1. Discuss anomalies, missing data and monitoring changes made throughout the year.
2. Summarize any corrective actions and the results that may have occurred during the year.

B. Water Monitoring Data:
Groundwater Summary

1. Mine Discharge
 - a. Summarize the total annual discharge from mine water discharge points and breakdown on a monthly basis for each site.
 - b. Discuss the past five years of data comparing changes in discharge. (Include in the discussion elements encountered during the year such as mining rate, location of faults or large in-mine flows during the year.)
 - c. Discuss trends, if existent, and exceedence in water quality parameters. A correlation with flow could provide additional information.

2. **Springs**
 - a. Are there seasonal trends/or changes in water quality for each quarter? Stiff diagrams provide a good aid in this determination.
 - b. Provide an analysis of changes in quantity of flow. Discuss any significant changes or trends. (An accumulation of long-term data, especially in graph form, is helpful for this discussion.)
 3. **Surface Water**
 - a. Include (discuss or tabulate) comparisons of upstream and downstream water quality and quantity for monitoring sites for each quarter. Include tributary quantity and quality information. Compare with mine water discharge, where applicable.
 - b. Discuss any subsidence occurring over underlying tributaries and streams (perennial or ephemeral), and results from monitoring of subsided areas.
- C. Summarized Water Monitoring Data**
1. List of monitoring points and their locations (based on UTM coordinates, if possible) and respective frequencies of monitoring (monthly, quarterly, etc.) as approved in the PAP;
 2. UPDES permit number, UPDES discharge points, and their locations (based on UTM coordinates, if possible).
 3. Summary of findings based on water monitoring during 1994; and
 4. Submit water monitoring as DOS-based files. Be specific about the format, submit data in one of the following formats only, i.e: Quattro Pro, Lotus, or ASCII.
- D. Precipitation or Other Climatological Data (please submit as DOS-based files: ASCII, Lotus, Quattro Pro, FoxPro, etc. -- Contact Ken Wyatt, if you have any questions).**
- E. 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).
 5. Discussion of any proposed mining sequence changes and how that may affect the area of monitoring for the following year.
- F. 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.

- G. **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

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

PERMIT



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

RECEIVED

AUG 15 1994

Engineering Dept.
MOUNTAIN COAL COMPANY

August 8, 1994

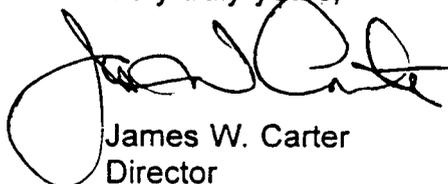
Kathleen Welt
Environmental Supervisor
Mountain Coal Company
P.O. Box 591
Somerset, CO 81434

Re: Renewed Permit, C.V. Spur Coal Processing and Loadout Facility, Mountain Coal Company, ACT/007/022, Folder #3, Carbon County, Utah

Dear Ms. Welt:

Enclosed please find two permits for the C.V. Spur Coal Processing and Loadout Facility, renewed effective August 7, 1994. Please sign both permits and return one to the Division.

Very truly yours,



James W. Carter
Director

cc: Pamela Grubaugh-Littig

FEDERAL

PERMIT
ACT/007/022

August 7, 1994

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

This permit, ACT/007/022, is issued for the State of Utah by the Utah Division of Oil, Gas and Mining (Division) to:

Mountain Coal Company
P.O. Box 591
Somerset, CO 81434
(303) 929-5015

for the C.V. Spur Coal Processing and Loadout Facility. A Surety Bond is filed with the Division in the amount of \$2,441,745.00, 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 C.V. Spur Coal Processing and Loadout Facility situated in the state of Utah, Carbon County, and located in:

Township 15 South, Range 10 East, Section 11, SLB & M

W1/2 SW1/4 except 0.24 acres in the northwest corner, and 5.42 acres in SW corner. NE1/4 SW1/4 except East 100 ft., SE1/4 SW1/4, except East 100 ft.

Township 15 South, Range 10 East, Section 11, SLB & M

A 20' Right-of-Way across the SE1/4 NW1/4, NW1/4 NW1/4, and SW 1/4 NW1/4 for a water pipeline (1.21 acres).

Township 15 South Range 10 East, Section 2, SLB&M

A 20' Right-of-Way across the SW1/4 SW1/4, NW1/4 SW1/4, SW1/4 NW1/4, NE1/4 NW1/4, and SE 1/4 NW1/4 for a water pipeline and pumphouse facility. (3.97 acres).

This legal description is for the permit area of the C.V. Spur Coal Processing and Loadout Facility. 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 August 7, 1994 and expires on August 7, 1999.
- 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 R645-303-300.
- 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, R645-400-220, 30 CFR 842.13 and R645-400-110;
 - (b) be accompanied by private persons for the purpose of conducting an inspection in accordance with R645-400-100 and R645-400-200 when the inspection is in response to an alleged violation reported to the Division by a 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 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 DISPOSAL OF POLLUTANTS -The permittee shall dispose 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. 10 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. 11 EXISTING STRUCTURES - As applicable, the permittee will comply with R645-301 and R645-302 for compliance, modification, or abandonment of existing structures.

- Sec. 12 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. 13 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. 14 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. 15 PERMIT RENEWAL** - Upon expiration, this permit may be renewed for areas with the boundaries of the existing permit in accordance with the Act, the approved Utah State Program and the Federal Lands Program.
- Sec. 16 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. 17 APPEALS** - The permittee shall have the right to appeal as provided for under R645-300-200.

The above conditions (Secs. 1-17) 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.

ACT/007/022
Permit
August 7, 1994
Page 5

THE STATE OF UTAH

By: 

Date: August 8, 1994

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

PERMITTEE



Authorized Representative of
the Permittee

Date August 15, 1994

AMENDMENTS



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

C. D. #1
FY1

February 24, 1995

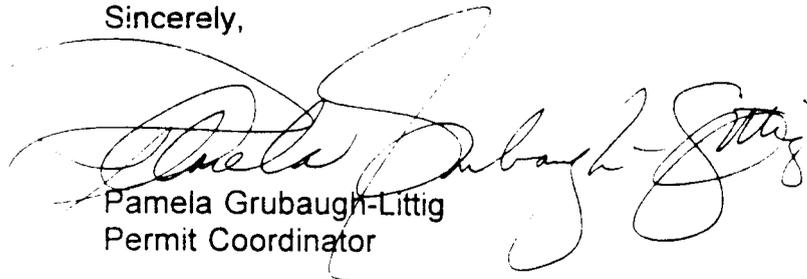
Paige B. Beville, Manager
Environmental, Health, Safety
ARCO Coal Company
555 Seventeenth Street
Denver, CO 80202

Re: Updates of Mountain Coal Company Officers, Gordon Creek #2, #7, and #8
Mines, ACT/007/016-94D, Gordon Creek #3 and #6 Mines, ACT/007/017-94B,
C.V. Spur, ACT/007/022-94C, Huntington #4 Mine, ACT/015/004-94B,
Mountain Coal Company, Folders #3, Carbon and Emery Counties

Dear Ms. Beville:

The information submitted October 14, 1994 has been input into the AVS system and is approved for incorporation into the above-noted mining and reclamation plans.

Sincerely,



Pamela Grubaugh-Littig
Permit Coordinator

cc: Daron Haddock
Susan White
Bill Malencik, PFO

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



October 13, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Update of Officers
for Mountain Coal Properties

Dear Ms. Littig:

Enclosed are 3 copies of updated pages for C.V. Spur, Huntington Canyon No. 4 Mine, Gordon Creek 3 and 6 Mine, and Gordon Creek 2, 7 and 8 Mine. The pages have been revised to show the latest change in officers for Mountain Coal Company.

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

Respectfully,

Dan W. Guy,
for Paige B Beville

Enclosures

cc: Paige B. Beville, MCC
Scot Anderson, MCC
File

APPLICATION FOR PERMIT CHANGE

Title of Change:

**C.V. SPUR PROCESSING FACILITY
UPDATE OF OFFICERS**

Permit Number: **ACT / 007 / 022**

Mine: **C.V. SPUR**

Permittee: **MOUNTAIN COAL**

Description, include reason for change and timing required to implement:

- | | | |
|------------------------------|--|--|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O.# _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 16. Does permit change require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 17. Does permit change require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 18. Does permit change require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? |

Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Dana Ballard 10-13-94
Signed - Name - Position - Date

Received by Oil, Gas & Mining

Subscribed and sworn to before me this 13 day of 10, 1994

Notary Public

My Commission Expires:

Attest: STATE OF _____
COUNTY OF _____



DANA BALLARD
NOTARY PUBLIC - STATE OF UTAH
865 EAST 2800 SOUTH
PRICE, UTAH 84501
COMM. EXP. 9-27-97

ASSIGNED PERMIT CHANGE NUMBER

Mountain Coal Company
C.V. Spur Processing Facility

2.2.5 Operator. The operator, if the operator is a person different from the applicant, including his or her telephone number:

The operator is the same as the applicant.

2.2.6 Resident Agent. The resident agent of the applicant who will accept service of process, including his or her telephone number:

The Corporation Trust Company
1209 Orange Street,
Wilmington, Delaware 19801
Telephone Number: 1-(800)441-9820

2.2.7 Business Designation. A statement of whether the applicant is a corporation, partnership, single proprietorship, association or other business entity:

The applicant is a Delaware corporation.

2.2.7.1 Officers and Directors of the Applicant. The names and addresses of every officer, partner, director, or other person performing a function similar to a director of the applicant:

<u>OFFICER</u>	<u>TITLE</u>	<u>ADDRESS</u>
E.E. DiClaudio	President and Director	Mountain Coal Co. P.O. Box 591 Somerset, Colo. 81434
C.A. Youngs	Vice President and Director	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
R.D. Pick	Vice President	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
M.W. DeGenring	Vice President and Director	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
M.C. Recchuite	Treasurer	Atlantic Richfield Co. ARCO Plaza 515 S. Flower Street Los Angeles, CA 90071

Mountain Coal Company
C.V. Spur Processing Facility

H.L. Edwards	Vice President and Secretary	Atlantic Richfield Co. ARCO Plaza 515 S. Flower Street Los Angeles, CA 90071
S.R. Mut	Chairman and Director	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
C.P. Cooley	Assistant Treasurer	Atlantic Richfield Co. ARCO Plaza 515 S. Flower Street Los Angeles, CA 90071
K.R. Collard	Assistant Secretary	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
B.M. Hinds	Assistant Secretary	Atlantic Richfield Co. ARCO Plaza 515 S. Flower Street Los Angeles, CA 90071
T.F. Linn	Assistant Secretary and Director	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
G.D. Luttrell	Assistant Secretary	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
S.G. McElyea	Assistant Secretary	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202
P.B. Fisher	Assistant Secretary	Atlantic Richfield Co. 555 Seventeenth Street Denver, Colorado 80202

2.2.7.2 Principal Shareholder of the Applicant. The name and address of any person who is a principal shareholder of the applicant:

Atlantic Richfield Co.
555 Seventeenth Street
Denver, Colorado 80202
(Principal and only shareholder)

Mountain Coal Company
C.V. Spur Processing Facility

2.2.7.3 Names Under Which Applicant and Principal Shareholder Operated U.S. Coal Mines: Names under which the applicant, partner, or principal shareholder previously operated underground or surface coal mining operations in the United States within the five years preceeding the date of application:

- (i) Beaver Creek Coal Company
Price, Utah
- (ii) West Elk Coal Company
Somerset, Colorado



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

Michael O. Leavitt
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James W. Carter
Division Director

355 West North Temple
3 Trid Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

cc: D. Dwyer
P. S. Linnell
S. Anderson
RECEIVED (Insp. Book)

1994

November 25, 1994

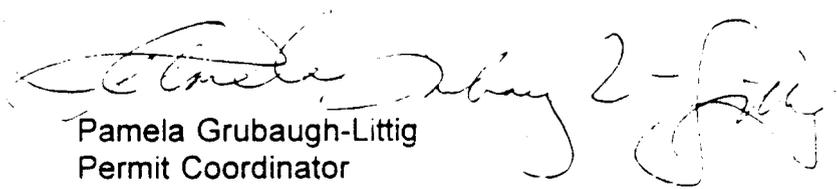
Paige Beville, Manager
Environmental, Health and Safety
ARCO Coal Company
555 Seventeenth Street
Denver, Colorado 80202

Re: Designation of Operator, C.V. Spur Coal Processing and Loadout Facility,
Mountain Coal Company, ACT/007/022-94E, Folder #3, Carbon County, Utah

Dear Ms. Beville:

Savage Industries, Inc. is approved as the operator for the C.V. Spur Coal Processing and Loadout Facility. Until the permit transfer is approved, which is currently pending the submittal of the bond, Mountain Coal Company will remain as the permittee, with Savage Industries, Inc. as the operator.

Sincerely,


Pamela Grubaugh-Littig
Permit Coordinator

cc: Daron Haddock



BLACKHAWK ENGINEERING, CO.

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

October 26, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Designation of Operator
C.V. Spur Preparation Facility
ACT/007/022
Carbon County, Utah

Dear Ms. Littig:

This letter is to inform the Division that Mountain Coal Co. wishes to change the "Designation of Operator" at the C.V. Spur Preparation Facility from Mountain Coal Co. to Savage Industries, Inc.

Savage Industries has a lease-option to purchase the facility, and has applied for a permit transfer. Until the transfer of permit is approved, Mountain Coal Co. will remain as the permittee, with Savage Industries, Inc. as the operator.

If any additional information is required for the permit in the interim, please let me know.

Thank you for your consideration.

Respectfully,

Dan W. Guy,
for Paige B. Beville

cc: Paige B. Beville, MCC
Scot Anderson, Arco
Jim Jensen, Savage Industries
Bill Malencik, DOGM
File



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

October 4, 1994

Paige Beville
Manager, Environmental, Health, & Safety
ARCO Coal Company
555 17th Street, Room 2170
Denver, CO 80202

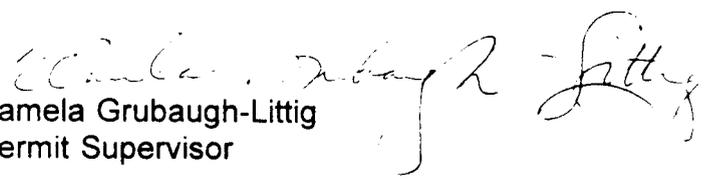
Re: Sediment Control Amendment, Typical Design for Sediment Control, Amendment Approval, Mountain Coal Company, C.V. Spur Coal Processing and Loadout Facility, ACT/007/022-94D, Folder #3, Carbon County, Utah

Dear Ms. Beville:

The above-noted amendment is approved. Please submit four more copies of the revised map and text by November 4, 1994.

If you have any questions, please call me.

Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor

cc: Daron Haddock
Bill Malencik



BLACKHAWK ENGINEERING, CO.

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

August 31, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Sediment Control Amendment
C.V. Spur Loadout Facility
ACT/007/022
Carbon County, Utah

Dear Ms. Littig:

Enclosed are 3 copies of typical sections for the C.V. Spur Permit. These are typicals for the various types of sediment control used on the site, and were requested by Mr. Bill Malencik.

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

Respectfully,

Dan W. Guy,
for Paige Beville

cc: Paige Beville, MCC
Scot Anderson
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



October 13, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

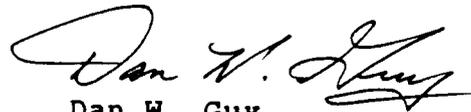
Re: Sediment Control Amendment
C.V. Spur Loadout Facility
ACT/007/022
Carbon County, Utah

Dear Ms. Littig:

Enclosed are 4 additional copies of typical sections for the C.V. Spur Permit. These are typicals for the various types of sediment control used on the site, and were requested by Mr. Bill Malencik.

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

Respectfully,


Dan W. Guy,
for Paige Beville

cc: Paige Beville, MCC
Scot Anderson
File

APPLICATION FOR PERMIT CHANGE

Title of Change: *SEDIMENT CONTROL AMENDMENT*

Permit Number: *ACT 1007 1022*

Mine: *C.V. SPUR LEADPORT*

Permittee: *Mountain Coal Co.*

Description, include reasons for change and timing required to implement:

TYPICAL DRAWINGS FOR SEDIMENT CONTROLS.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O.#
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area?

Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Don W. Gray for Paige Beville
Signed - Name - Position - Date

Received by Oil, Gas & Mining

Subscribed and sworn to before me this _____ day of _____, 19____.

Notary Public

My Commission Expires: _____, 19____
Attest: STATE OF _____
COUNTY OF _____

ASSIGNED PERMIT CHANGE NUMBER

TYPICAL SILT FENCE

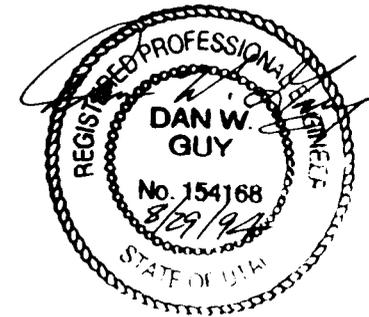
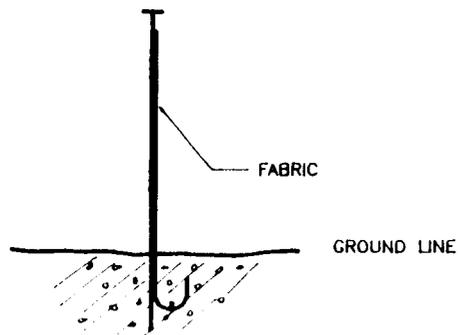
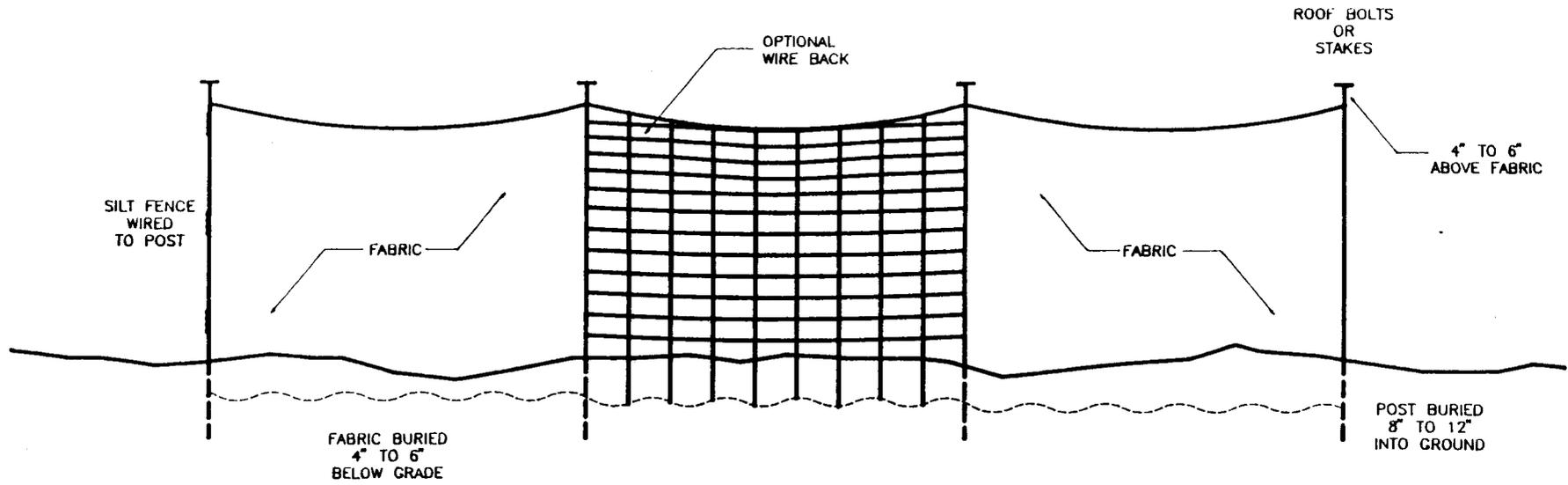


FIGURE 7-8

TYPICAL STRAW BALE INSTALLATION

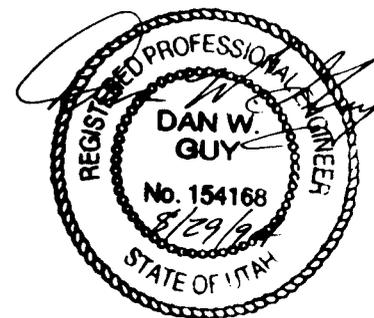
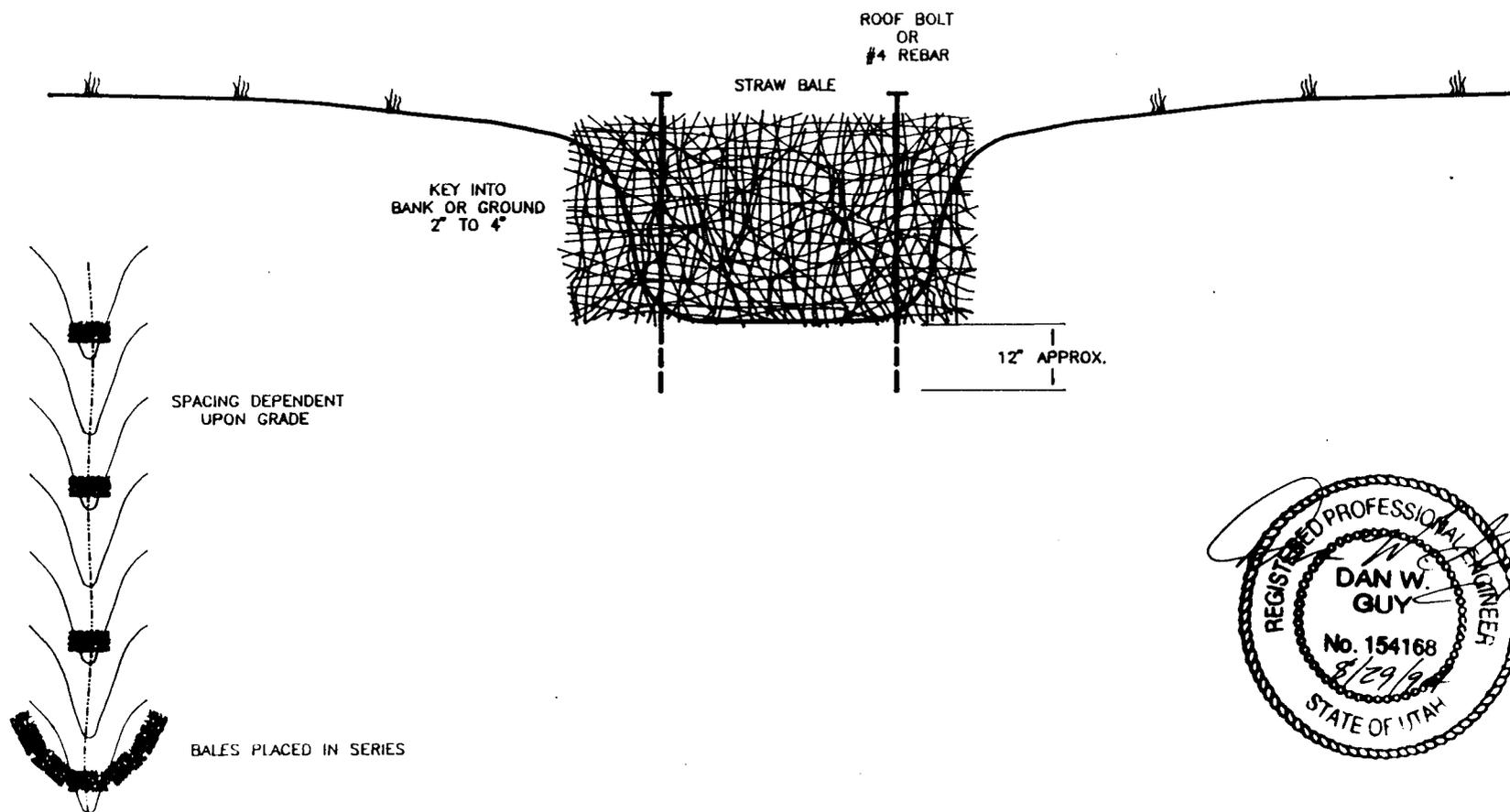


FIGURE 7-9

NOTE: STRAW BALES MAY ALSO BE USED AS BERMS WHERE NEEDED.

TYPICAL WIRE GABION

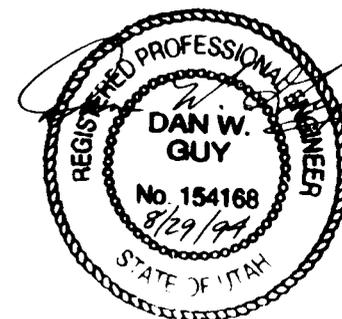
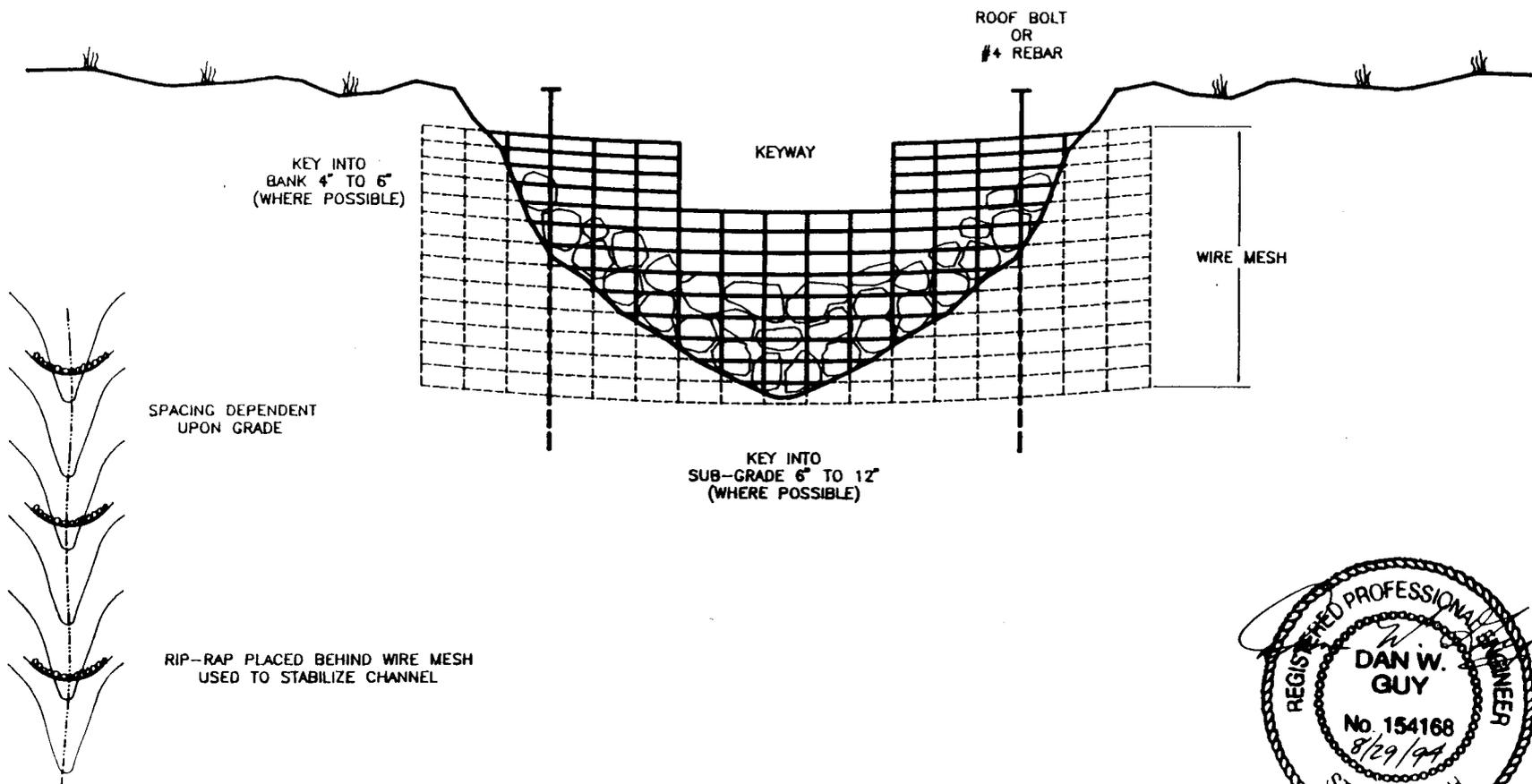


FIGURE 7-10



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

cc: D Guy

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 8, 1994

Kathleen Welt
Environmental Supervisor
Mountain Coal Company
P.O. Box 591
Somerset, CO 81434

Re: Approval of River Pump/Pipeline Small Area Exemption, C.V. Spur, Mountain Coal Company, ACT/007/022-93C and Permit Stipulation (April 26, 1994 Permit), Folder #3, Carbon County, Utah

Dear Ms. Welt:

The above-noted amendment, and subsequent permit stipulation, is approved. Information received on June 3, 1994 can be incorporated into the approved mining and reclamation plan.

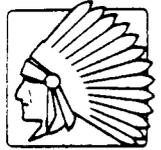
Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor

cc: Bill Malencik, PFO

PROPOSED PERMIT TRANSFER
TO
SAVAGE INDUSTRIES, INC.

James T. Jensen
*Executive Vice President
and General Counsel*



Savage

5250 South 300 West
Suite 200
Salt Lake City, Utah 84107
(801) 263-9400
FAX (801) 261-8766

September 30, 1994

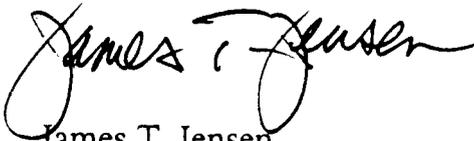
Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

**Re: Request for Permit Transfer/C.V. Spur Loadout and Processing Facility
ACT/007/022/Carbon County, Utah**

This letter will confirm my telephone conversation with you as follows:

1. Pending DOGM's approval of transfer of the DOGM permit to Savage Industries Inc. from Mountain Coal Company, Savage Industries Inc. requests that it be designated as the "Operator of the CV Spur";
2. Simultaneously with DOGM's approval of transfer of the DOGM permit to Savage Industries Inc., the new name of the CV Spur will be "Savage Coal Terminal"; and
3. Appropriate signs are being painted and will be posted pursuant to DOGM regulations showing among other things, the name of the facility as "Savage Coal Terminal".

Sincerely,


James T. Jensen

cc: Dan Guy
Rt. 1, Box 146, #5
Helper, Utah 84526

Scott Anderson, Esq.
ARCO - Legal Department
555 Seventeenth Street
Denver, Colorado 80202

James T. Jensen
*Executive Vice President
and General Counsel*



November 1, 1994

5250 South 300 West
Suite 200
Salt Lake City, Utah 84107
(801) 263-9400
FAX (801) 261-8766

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Savage - Mountain Coal
CV Spur

Enclosed is a copy of Affidavit of Publication, dated September 6, 1994, and signed by Kevin Ashby, Publisher of the Sun Advocate. The contents of the Affidavit of Publication are self-explanatory.

In the application for transfer earlier submitted to you, Savage inadvertently neglected to list that it has an agreement with Sunnyside Cogeneration Associates ("SCA") to (i) excavate, transport and prepare waste coal and coal fines from the old Kaiser refuse piles at Sunnyside, Utah for consumption in SCA's cogeneration facility at sunnyside, Utah and (ii) transport and place ash from the cogeneration facility to ash placement areas at Sunnyside, Utah. I believe SCA's identification number with your department for the cogeneration facility and its related waste coal, coal fines and ash placement areas to be ACT/007/035.

Finally, please be advised that the Banning coal storage and train loading facility located at Sunnyside Junction, which was formerly operated by Savage for Soldier Creek Coal Company was formally taken over and has been operated by Soldier Creek Coal Company since April 20, 1994. The only contact which Savage has with the Banning facility is transporting coal into the Banning facility for Soldier Creek Coal Company.

It is imperative that the DOGM permit for the CV Spur be transferred to Savage within the next fifteen (15) days as we have an absolute drop-dead date of December 8, 1994.

Ms. Pamela Grubaugh-Littig

November 1, 1994

Page 2

Please call me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "James T. Jensen". The signature is written in a cursive style with a large, looping initial "J".

James T. Jensen

Enclosure

cc: Dan Guy
Rt. 1, Box 146, #5
Helper, Utah 84526

Scott Anderson, Esq.
ARCO - Legal Department
555 Seventeenth Street
Denver, Colorado 80202

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)
County of Carbon,)

I, Kevin Ashby, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 (One) consecutive issues, and that the first publication was on the

6th day of September, 1994

and that the last publication of such notice was in the issue of such newspaper dated the

.....day of....., 19.....

Kevin Ashby
.....

Subscribed and sworn to before me this

.....6th.....day of...September....., 1994..

Linda Thayne
.....
Notary Public

My Commission expires January 10, 1995

Residing at Price, Utah

Publication fee, \$ 46.80

**PROPOSED NEWSPAPER ADVERTISEMENT
PUBLIC NOTICE**

Savage Industries Inc. has applied for a permit transfer of the Mining and Reclamation Permit for the C.V. Spur Processing and Loadout Facility from Mountain Coal Company to Savage Industries Inc.

The applicant is:
Savage Industries Inc.
5250 South 300 West
Suite 200
Salt Lake City, Utah 84107

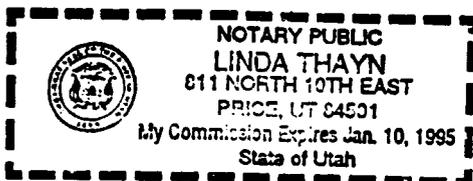
The original permittee is:
Mountain Coal Company
P.O. Box 591
Somerset, Colorado 81434

The permit for which transfer is being sought is Utah #ACT/007/022 This is a Mining and Reclamation Permit for the C.V. Spur Processing and Loadout Facility, which is located in the Miller Creek area of Carbon County, Utah in Sections 2 and 11, Township 15 South, Range 10 East Salt Lake Base and Meridian. The permit area is further described as follows: Township 15 South, Range 10 East, Salt Lake Base and Meridian Section 11: W $\frac{1}{2}$ SW $\frac{1}{2}$ except 0.24 ac. in NW corner and 5.42 ac. in SW corner, E $\frac{1}{2}$ SW $\frac{1}{2}$ except East 100. Also included in the permit area is a 20' Right-of-Way for a pipeline across the SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ and NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11 (1.21 acres), and across the SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, and NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11 (3.97 acres). This area is located on the "Price Quadrangle", U.S. Geological Survey 7 $\frac{1}{2}$ minute map.

The application is available for inspection at the Carbon County Courthouse, 1st East and Main Street, Price, Utah 84501.

Written comments, objections or requests for informal conferences on the application may be submitted to: State of Utah Department of Natural Resources, Division of Oil, Gas and Mining, 355 West North Temple, 3rd Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Published in the Sun Advocate September 6, 1994.



AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

ss.

County of Carbon,)

I, Kevin Ashby, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 (One) consecutive issues, and that the first publication was on the

6th day of September, 1994

and that the last publication of such notice was in the issue of such newspaper dated the

.....day of....., 19.....

Kevin Ashby

Subscribed and sworn to before me this

.....6th.....day of...September....., 1994.....

Linda Thayne
Notary Public

My Commission expires January 10, 1995

Residing at Price, Utah

Publication fee, \$ 46.80

**PROPOSED NEWSPAPER ADVERTISEMENT
PUBLIC NOTICE**

Savage Industries Inc. has applied for a permit transfer of the Mining and Reclamation Permit for the C.V. Spur Processing and Loadout Facility from Mountain Coal Company to Savage Industries Inc.

The applicant is:
Savage Industries Inc.
5250 South 300 West
Suite 200
Salt Lake City, Utah 84107

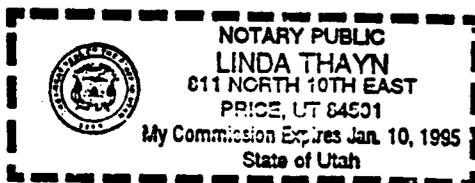
The original permittee is:
Mountain Coal Company
P.O. Box 591
Somerset, Colorado 81434

The permit for which transfer is being sought is Utah #ACT/007/022. This is a Mining and Reclamation Permit for the C.V. Spur Processing and Loadout Facility, which is located in the Miller Creek area of Carbon County, Utah in Sections 2 and 11, Township 15 South, Range 10 East, Salt Lake Base and Meridian. The permit area is further described as follows: Township 15 South, Range 10 East, Salt Lake Base and Meridian, Section 11: W $\frac{1}{2}$ SW $\frac{1}{2}$ except 0.24 ac. in NW corner and 5.42 ac. in SW corner, E $\frac{1}{2}$ SW $\frac{1}{2}$ except East 100. Also included in the permit area is a 20' Right-of-Way for a pipeline across the SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ and NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11 (1.21 acres), and across the SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, and NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 2 (3.97 acres). This area is located on the "Price Quadrangle", U.S. Geological Survey 7 $\frac{1}{2}$ minute map.

The application is available for inspection at the Carbon County Courthouse, 1st East and Main Street, Price, Utah 84501.

Written comments, objections or requests for informal conferences on the application may be submitted to: 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.

Published in the Sun Advocate September 6, 1994.



OTHER PERMITS

STATE OF UTAH
DIVISION OF WATER QUALITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALT LAKE CITY, UTAH

AUTHORIZATION TO DISCHARGE UNDER THE
UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM
(UPDES)

GENERAL PERMIT FOR COAL MINING

In compliance with provisions of the *Utah Water Quality Act, Title 19, Chapter 5, Utah Code Annotated ("UCA") 1953, as amended (the "Act")*,

Mountain Coal Company Castle Valley Spur located approximately 6 miles South of Price, Utah as identified in the Notice of Intent, application UTG040005 is authorized to discharge at outfall located at latitude 39°32'08" and longitude 110°46'03"

to an unnamed ditch tributary to the Price River

in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on August 1, 1993.

This general permit and the authorization to discharge shall expire at midnight, April 30, 1998.

Signed this 22th day of July, 1993.



Authorized Permitting Official
Executive Secretary
Utah Water Quality Board

TABLE OF CONTENTS

<u>Cover Sheet--Issuance and Expiration Dates</u>		<u>Page No.</u>
I.	EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	3
	A. Definitions	3
	B. Criteria for Inclusion in the General Permit for Coal Mining	5
	C. Notice of Intent for a General Permit for Coal Mining	5
	D. Description of Discharge Point(s)	6
	E. Narrative Standard	6
	F. Specific Limitations and Self-monitoring Requirements	7
II.	MONITORING, RECORDING AND REPORTING REQUIREMENTS	10
	A. Representative Sampling	10
	B. Monitoring Procedures	10
	C. Penalties for Tampering	10
	D. Reporting of Monitoring Results	10
	E. Compliance Schedules	10
	F. Additional Monitoring by the Permittee	10
	G. Records Contents	11
	H. Retention of Records	11
	I. Twenty-four Hour Notice of Noncompliance Reporting	11
	J. Other Noncompliance Reporting	12
	K. Inspection and Entry	12
III.	COMPLIANCE RESPONSIBILITIES	13
	A. Duty to Comply	13
	B. Penalties for Violations of Permit Conditions	13
	C. Need to Halt or Reduce Activity not a Defense	13
	D. Duty to Mitigate	3
	E. Proper Operation and Maintenance	13
	F. Removed Substances	13
	G. Bypass of Treatment Facilities	13
	H. Upset Conditions	14
	I. Toxic Pollutants	15
	J. Changes in Discharge of Toxic Substances	15
	K. Industrial Pretreatment	15
IV.	GENERAL REQUIREMENTS	16
	A. Planned Changes	16
	B. Anticipated Noncompliance	16
	C. Permit Actions	16
	D. Duty to Reapply	16
	E. Duty to Provide Information	16
	F. Other Information	16
	G. Signatory Requirements	16
	H. Penalties for Falsification of Reports	17
	I. Availability of Reports	17
	J. Oil and Hazardous Substance Liability	17
	K. Property Rights	17
	L. Severability	17
	M. Transfers	18
	N. State Laws	18
	O. Water Quality-Reopener Provision	18
	Q. Storm Water-Reopener Provision	3

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. The "30-day (and monthly) average" is the arithmetic average of all samples collected during a consecutive 30-day period or calendar month, whichever is applicable. The calendar month shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms.
2. The "7-day (and weekly) average" is the arithmetic average of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The 7-day and weekly averages are applicable only to those effluent characteristics for which there are 7-day average effluent limitations. The calendar week which begins on Sunday and ends on Saturday, shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for that calendar week shall be included in the data for the month that contains the Saturday.
3. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.
4. "Composite samples" shall be flow proportioned. The composite sample shall, as a minimum, contain at least four (4) samples collected over the composite sample period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six (6) hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:
 - a. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;
 - b. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;
 - c. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,
 - d. Continuous collection of sample, with sample collection rate proportional to flow rate.
5. A "grab" sample, for monitoring requirements, is defined as a single "dip and take" sample collected at a representative point in the discharge stream.
6. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
7. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

8. "Severe property damage" means substantial physical damage to property, damage to the facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
9. "Executive Secretary" means Executive Secretary of the Utah Water Quality Board.
10. "EPA" means the United States Environmental Protection Agency.
11. "Act" means the "Utah Water Quality Act".
12. "Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
13. "CWA" means *Federal Water Pollution Control Act*, as amended, by *The Clean Water Act of 1987*.
14. "Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged.
15. "Significant spills" includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under *Section 311 of the Clean Water Act (see 40 CFR 110.10 and 40 CFR 117.21)* or *Section 102 of CERCLA (see 40 CFR 302.4)*.
16. "Storm water" means storm water runoff, snow melt runoff, and surface runoff and drainage.
17. "Waste pile" means any noncontainerized accumulation of solid, nonflowing waste that is used for treatment or storage.
18. "10-year, 24-hour precipitation event" means the maximum 24-hour precipitation event with a probable reoccurrence interval of once in 10 years. This information is available in *Weather Bureau Technical Paper No. 40*, May 1961 and *NOAA Atlas 2*, 1973 for the 11 Western States, and may be obtained from the National Climatic Center of the Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.
19. The term "coal preparation plant" means a facility where coal is crushed, screened, sized, cleaned, dried, or otherwise prepared and loaded for transit to a consuming facility.
20. The term "coal preparation plant associated areas" means the coal preparation plant yards, immediate access roads, coal refuse piles, and coal storage piles and facilities.
21. "Alkaline mine drainage" means mine drainage which before any treatment has a pH equal to or greater than 6.0 and total iron concentration less than 10 mg/l.

22. The term "settleable solids" is that matter measured by the volumetric method specified below:

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

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

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

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

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

Any facility which desires a general permit for coal mining and meets the requirements of Part I.B. can be issued a general permit by submitting a notice of intent (NOI) to the Division of Water Quality and EPA at the addresses listed on page 10 of this permit.

The NOI shall include:

- a. A completed Environmental Protection Agency Application (EPA Form 3510-1) or equivalent information.
- b. Location and identification number (such as 001, 002, etc.) of each existing discharge and/or proposed discharge point(s). This includes the latitude and longitude to the nearest 15 seconds and the name of the receiving water(s).
- c. A description of the source of the wastewater for each discharge point.
- d. A description of the treatment given or proposed for the wastewater at each discharge point and if necessary a justification of why no treatment is required.
- e. Flow characteristics for each discharge point such as whether flow is or will be continuous or intermittent and indicate projected and/or actual average and maximum flows in gpd.
- f. Data for each discharge point for the following parameters:
 - 1) Biochemical oxygen demand (BOD₅)
 - 2) Chemical oxygen demand (COD)
 - 3) Total organic carbon (TOC)
 - 4) Total suspended solids (TSS)
 - 5) Flow
 - 6) Ammonia (as N)
 - 7) Oil and grease

- 8) Temperature
- 9) pH
- 10) Total dissolved solids (TDS)
- 11) Total iron and metals, cyanide, phenols located in Table III UAC R317-8-3.12
- 12) Date and time of sampling for each parameter
- 13) Date and time of analysis for each parameter
- 14) Utah certified laboratory which has completed the analysis for each parameter

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

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

- g. For each discharge point the presence or absence of any toxic and/or priority pollutants as listed by EPA in *40 CFR Part 403*.
- h. Best management practice plan or sediment runoff control plan approved by the Division of Oil, Gas and Mining.

D. Description of Discharge Point(s).

The authorization to discharge provided under this permit is limited to those outfalls specifically designated below as discharge locations. Discharges at any location not authorized under a UPDES permit is a violation of the *Act* and may be subject to penalties under the *Act*. Knowingly discharging from an unauthorized location or failing to report an unauthorized discharge may be subject to criminal penalties as provided under the *Act*.

Outfall Number

Location of Discharge Points

001

Sediment pond outfall to ditch

E. Narrative Standard.

It shall be unlawful, and a violation of this permit, for the permittee to discharge or place any waste or other substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisances such as color, odor or taste, or conditions which produce undesirable aquatic life or which produces objectionable tastes in edible aquatic organisms; or concentrations or combinations of substances which produce undesirable physiological responses in desirable resident fish, or other desirable aquatic life, or undesirable human health effects, as determined by bioassay or other tests performed in accordance with standard procedures.

F. Specific Limitations and Self-monitoring Requirements.

1. Effective immediately and lasting the duration of this permit, the permittee is authorized to discharge from Outfalls 001 and 002. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations a/			Monitoring Requirements	
	Average 30-Day	7-Day	Daily Maximum	Measurement Frequency	Sample Type
Flow, gpd	NA	NA	NA	Monthly	Measured b/
Oil & Grease, mg/L	NA	NA	10	Monthly	Grab
Total Suspended Solids, mg/L	25	35	70	Monthly	Grab e/
Total Iron, mg/l	NA	NA	1.0 c/	Monthly	Grab e/
Total Dissolved Solids lbs/day	NA	NA	d/	Monthly	Grab e/

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units in any sample and shall be monitored monthly by a grab sample.

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

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

N.A. - Not Applicable.

- a/ See Definitions, Part IA for definition of terms.
- b/ For intermittent discharge, the duration of the discharge shall be reported along with the flow.
- c/ Values up to 2 mg/l may be approved where the permittee provides sufficient information that water quality standards will not be violated.
- d/ The total amount of total dissolved solids (TDS) discharged from all mine water and decant operations is limited to one ton (2000 pounds) per day
- e/ These samples may also be a composite sample.
2. Samples taken in compliance with the monitoring requirements specified above shall be taken from the effluent before mixing with any receiving water.

3. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within any 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at all surface runoff pond (outfalls) may comply with the following limitation instead of the total suspended solids limitations contained in Part I.F.1:

Effluent Characteristics

Daily Maximum

Settleable Solids

0.5 mL/L

In addition to the monitoring requirements specified under Part I.F.1, all effluent samples collected during storm water discharge events shall also be analyzed for settleable solids. Such analyses shall be conducted on either grab or composite samples.

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

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units. However, as stated under Part I.F.3, all effluent samples collected at all surface runoff pond outfalls during storm water discharge events shall be analyzed for settleable solids and the parameters identified under Part I.F.1.

5. The operator shall have the burden of proof that the discharge or increase in discharge was caused by the applicable precipitation event described in Parts I.F.3. and F.4. The alternate limitation in Parts I.F.4. and F.5. shall not apply to treatment systems that treat underground mine water only.
6. - - Best Management Practices.

- a. The company shall implement and maintain best management practices for the control of road salt storage for areas discharging to waters of the State. This shall include enclosure or coverage to prevent exposure to precipitation, except exposure resulting from adding or removing materials from the pile. Dischargers shall demonstrate compliance with the enclosure provision as expeditiously as practicable, but in no event later than October 1, 1995.
- b. The facility must minimize the discharge of salt by using the largest practicable amount of saline water for process and dust control. After April 30, 1994 there shall be no use of gypsum for rock dusting unless the permittee provides sufficient information to the Executive Secretary such that approval is granted based upon the Colorado River Basin Salinity Control Forum Policies and the fact that it will not significantly increase total dissolved solids concentrations.
- c. Sediment and Erosion Control. Within six months of permit issuance, the permittee shall develop a stormwater pollution prevention plan which identifies areas which, due to topography, road construction with waste materials, other activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, or other stabilization measures to limit erosion. (The general permit for storm water discharge associated with industrial activity contains information for developing a satisfactory plan).

- d. **Management of Runoff.** The stormwater pollution prevention plan shall be implemented as soon as practical but no later than one year after permit issuance. Appropriate measures for small areas may include: silt fences, sediment traps, vegetative swales and practices, reuse of collected storm water (such as for a process or as an irrigation source) inlet controls (such as oil/water separators), snow management activities, infiltration deicers, and wet detention/retention devices.
- e. **Comprehensive Site Compliance Evaluation.** Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the stormwater pollution prevention plan, but in no case less than once a year. Such evaluations shall provide:
- (1) Areas contributing to a storm water discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed.
 - (2) Based on the results of the inspection, the description of potential pollutant sources identified in the plan and pollution prevention measures and controls identified in the plan shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.
 - (3) A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken shall be made and retained as part of the storm water pollution prevention plan for at least one year after coverage under this permit terminates. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the storm water pollution prevention plan and this permit. The report shall be signed in accordance with *Part VII, Signature Requirements* of this permit.
 - (4) Where annual site inspections are shown in the plan to be impractical for inactive mining sites due to the remote location and inaccessibility of the site, site inspections required under this part shall be conducted at appropriate intervals specified in the plan, but, in no case less than once in three years.
- f. **Consistency with other plans.** Plans may reflect requirements for *Spill Prevention, Control and Countermeasure ("SPCC")* plans developed for the facility under Section 112 of the CWA or *Best Management Practices ("BMP")* otherwise required by this permit for the facility as long as such requirement is incorporated into the plan.

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

- A. Representative Sampling. Samples taken in compliance with the monitoring requirements established under *Part I* shall be collected from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge. Sludge samples shall be collected at a location representative of the quality of sludge immediately prior to the use-disposal practice.
- B. Monitoring Procedures. Monitoring must be conducted according to test procedures approved under *Utah Administrative Code ("UAC") R317-2-10*, unless other test procedures have been specified in this permit.
- C. Penalties for Tampering. The *Act* provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.
- D. Reporting of Monitoring Results. Monitoring results obtained during the previous month shall be summarized and reported monthly on a Discharge Monitoring Report Form (EPA No. 3320-1), post-marked no later than the 28th day of the month following the completed reporting period. The first report is due on August 28, 1993. If no discharge occurs during the reporting period, "no discharge" shall be reported. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the requirements of *Signatory Requirements (see Part IV.G)*, and submitted to the Director, Division of Water Quality and to EPA at the following addresses:

original to: Department of Environmental Quality
Division of Water Quality
288 North 1460 West
PO Box 144870
Salt Lake City, Utah 84114-4870

copy to: United States Environmental Protection Agency Region VIII
Denver Place
999 18th Street, Suite 500
Denver, Colorado 80202-2466
Attention: Water Management Division
Compliance Branch (8WM-C)

- E. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any Compliance Schedule of this permit shall be submitted no later than 14 days following each schedule date.
- F. Additional Monitoring by the Permittee. If the permittee monitors any parameter more frequently than required by this permit, using test procedures approved under *UAC R317-2-10* or as otherwise specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated. Only those parameters required by the permit need to be reported.

G. Records Contents. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The individual(s) who performed the sampling or measurements;
3. The date(s) and time(s) analyses were performed;
4. The individual(s) who performed the analyses;
5. The analytical techniques or methods used; and,
6. The results of such analyses.

H. Retention of Records. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the Executive Secretary at any time. A copy of this UPDES permit must be maintained on site during the duration of activity at the permitted location.

I. Twenty-four Hour Notice of Noncompliance Reporting.

1. The permittee shall (orally) report any noncompliance which may seriously endanger health or environment as soon as possible, but no later than twenty-four (24) hours from the time the permittee first became aware of circumstances. The report shall be made to the Division of Water Quality, (801) 538-6146, or 24 hour answering service (801) 536-4123.
2. The following occurrences of noncompliance shall be reported by telephone (801) 536-4123 as soon as possible but no later than 24 hours from the time the permittee becomes aware of the circumstances:
 - a. Any noncompliance which may endanger health or the environment;
 - b. Any unanticipated bypass which exceeds any effluent limitation in the permit (See *Part III.G. Bypass of Treatment Facilities.*);
 - c. Any upset which exceeds any effluent limitation in the permit (See *Part III.H. Upset Conditions.*); or,
 - d. Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.
3. A written submission shall also be provided within five days of the time that the permittee becomes aware of the circumstances. The written submission shall contain:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times;
 - c. The estimated time noncompliance is expected to continue if it has not been corrected; and,

- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of noncompliance.
 - e. Steps taken, if any, to mitigate the adverse impacts on the environment and human health during the noncompliance period.
4. The Executive Secretary may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Division of Water Quality, (801) 538-6146.
 5. Reports shall be submitted to the addresses in *Part II.D, Reporting of Monitoring Results*.
- J. Other Noncompliance Reporting. Instances of noncompliance not required to be reported within 24 hours shall be reported at the time that monitoring reports for *Part II.D* are submitted. The reports shall contain the information listed in *Part II.1.3*.
- K. Inspection and Entry. The permittee shall allow the Executive Secretary, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;
 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,
 4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

III. COMPLIANCE RESPONSIBILITIES

- A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give advance notice to the Executive Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- B. **Penalties for Violations of Permit Conditions.** The Act provides that any person who violates a permit condition implementing provisions of the Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions of the Act is subject to a fine not exceeding \$25,000 per day of violation; Any person convicted under *UCA 19-5-115(2)* a second time shall be punished by a fine not exceeding \$50,000 per day. Except as provided at *Part III.G, Bypass of Treatment Facilities* and *Part III.H, Upset Conditions*, nothing in this permit shall be construed to relieve the permittee of the civil or criminal penalties for noncompliance.
- C. **Need to Halt or Reduce Activity not a Defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- E. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
- F. **Removed Substances.** Collected screening, grit, solids, sludges, or other pollutants removed in the course of treatment shall be buried or disposed of in such a manner so as to prevent any pollutant from entering any waters of the state or creating a health hazard. Sludge/digester supernatant and filter backwash shall not directly enter either the final effluent or waters of the state by any other direct route.
- G. **Bypass of Treatment Facilities.**
1. **Bypass not exceeding limitations.** The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this section. Return of removed substances, as described in *Part III.F*, to the discharge stream shall not be considered a bypass under the provisions of this paragraph.
 2. Notice:
 - a. **Anticipated bypass.** If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten (10) days before the date of the bypass.

b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass required under *Part II.I, Twenty-four Hour Reporting*.

3. **Prohibition of bypass.**

a. Bypass is prohibited and the Executive Secretary may take enforcement action against a permittee for a bypass, unless:

(1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage ;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,

(3) The permittee submitted notices as required under paragraph 2 of this section.

b. The Executive Secretary may approve an anticipated bypass, after considering its adverse effects, if the Executive Secretary determines that it will meet the three conditions listed above in paragraph 3.a of this section.

II. **Upset Conditions.**

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

2. **Conditions necessary for a demonstration of upset.** A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An upset occurred and that the permittee can identify the cause(s) of the upset;

b. The permitted facility was at the time being properly operated;

c. The permittee submitted notice of the upset as required under *Part II.I, Twenty-four Hour Notice of Noncompliance Reporting*; and,

d. The permittee complied with any remedial measures required under *Part III D, Duty to Mitigate*.

3. **Burden of proof.** In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

- I. **Toxic Pollutants.** The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of *The Water Quality Act of 1987* for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- J. **Changes in Discharge of Toxic Substances.** Notification shall be provided to the Executive Secretary as soon as the permittee knows of, or has reason to believe:
1. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - a. One hundred micrograms per liter (100 ug/L);
 - b. Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - c. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC R317-8-3.4(7) or (10); or,
 - d. The level established by the Executive Secretary in accordance with UAC R317-8-4.2(6).
 2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - a. Five hundred micrograms per liter (500 ug/L);
 - b. One milligram per liter (1 mg/L) for antimony;
 - c. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with UAC R317-8-3.4(9); or,
 - d. The level established by the Executive Secretary in accordance with UAC R317-8-4.2(6).
- K. **Industrial Pretreatment.** Any wastewaters discharged to the sanitary sewer, either as a direct discharge or as a hauled waste, are subject to Federal, State and local pretreatment regulations. Pursuant to Section 307 of *The Water Quality Act of 1987*, the permittee shall comply with all applicable federal General Pretreatment Regulations promulgated at 40 CFR 403, the State Pretreatment Requirements at UAC R317-8-8, and any specific local discharge limitations developed by the Publicly Owned Treatment Works (POTW) accepting the wastewaters.

In addition, in accordance with 40 CFR 403.12(p)(1), the permittee must notify the POTW, the EPA Regional Waste Management Director, and the State hazardous waste authorities, in writing, if they discharge any substance into a POTW which if otherwise disposed of would be considered a hazardous waste under 40 CFR 261. This notification must include the name of the hazardous waste, the EPA hazardous waste number, and the type of discharge (continuous or batch).

IV. GENERAL REQUIREMENTS

- A. **Planned Changes.** The permittee shall give notice to the Executive Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in the permit. In addition, if there are any planned substantial changes to the permittee's existing sludge facilities or their manner of operation or to current sludge management practices of storage and disposal, the permittee shall give notice to the Executive Secretary of any planned changes at least 30 days prior to their implementation.
- B. **Anticipated Noncompliance.** The permittee shall give advance notice to the Executive Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- C. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- D. **Duty to Reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. The application shall be submitted at least 60 days before the expiration date of this permit. The application shall be submitted at least 180 days before the expiration date if an individual permit is necessary.
- E. **Duty to Provide Information.** The permittee shall furnish to the Executive Secretary, within a reasonable time, any information which the Executive Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Executive Secretary, upon request, copies of records required to be kept by this permit.
- F. **Other Information.** When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or any report to the Executive Secretary, it shall promptly submit such facts or information.
- G. **Signatory Requirements.** All applications, reports or information submitted to the Executive Secretary shall be signed and certified.
1. All permit applications shall be signed by either a principal executive officer or ranking elected official.
 2. All reports required by the permit and other information requested by the Executive Secretary shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the Executive Secretary, and,
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager.

superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

3. Changes to authorization. If an authorization under paragraph *IV.G.2* is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph *IV.G.2* must be submitted to the Executive Secretary prior to or together with any reports, information, or applications to be signed by an authorized representative.
4. Certification. Any person signing a document under this section shall make the following certification:

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

- H. **Penalties for Falsification of Reports.** The Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine of not more than \$10,000.00 per violation, or by imprisonment for not more than six months per violation, or by both.
- I. **Availability of Reports.** Except for data determined to be confidential under *UAC R317-8-3.2*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the office of Executive Secretary. As required by the Act, permit applications, permits and effluent data shall not be considered confidential.
- J. **Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the permittee of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the Act.
- K. **Property Rights.** The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
- L. **Severability.** The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

- M. **Transfers.** This permit may be automatically transferred to a new permittee if:
1. The current permittee notifies the Executive Secretary at least 20 days in advance of the proposed transfer date;
 2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and,
 3. The Executive Secretary does not notify the existing permittee and the proposed new permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.
- N. **State Laws.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by *UCA 19-5-117*.
- O. **Water Quality-Reopener Provision.** This permit may be reopened and modified (following proper administrative procedures) to include the appropriate effluent limitations and compliance schedule, if necessary, if one or more of the following events occurs:
1. Water Quality Standards for the receiving water(s) to which the permittee discharges are modified in such a manner as to require different effluent limits than contained in this permit.
 2. A final wasteload allocation is developed and approved by the State and/or EPA for incorporation in this permit.
 3. A revision to the current Water Quality Management Plan is approved and adopted which calls for different effluent limitations than contained in this permit.
- P. **Toxicity Limitation-Reopener Provision.** This permit may be reopened and modified (following proper administrative procedures) to include whole effluent toxicity (WET) testing, a WET limitation, a compliance schedule, a compliance date, additional or modified numerical limitations, or any other conditions related to the control of toxicants if toxicity is detected during the life of this permit.
- Q. **Storm Water-Reopener Provision.** At any time during the duration (life) of this permit, this permit may be reopened and modified (following proper administrative procedures) as per *UAC R317.8*, to include, any applicable storm water provisions and requirements, a storm water pollution prevention plan, a compliance schedule, a compliance date, monitoring and/or reporting requirements, or any other conditions related to the control of storm water discharges to "waters-of-State".

F:\Gen-Coal.per

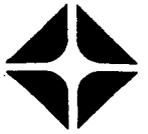
I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Definitions.

1. The "30-day (and monthly) average" is the arithmetic average of all samples collected during a consecutive 30-day period or calendar month, whichever is applicable. The calendar month shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms.
2. The "7-day (and weekly) average" is the arithmetic average of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The 7-day and weekly averages are applicable only to those effluent characteristics for which there are 7-day average effluent limitations. The calendar week which begins on Sunday and ends on Saturday, shall be used for purposes of reporting self-monitoring data on discharge monitoring report forms. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for that calendar week shall be included in the data for the month that contains the Saturday.
3. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.
4. "Composite samples" shall be flow proportioned. The composite sample shall, as a minimum, contain at least four (4) samples collected over the composite sample period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six (6) hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:
 - a. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;
 - b. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;
 - c. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,
 - d. Continuous collection of sample, with sample collection rate proportional to flow rate.
5. A "grab" sample, for monitoring requirements, is defined as a single "dip and take" sample collected at a representative point in the discharge stream.
6. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
7. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

BOND

ARCO Coal Company
555 Seventeenth Street
Denver, CO 80202
Telephone: 303 293-7913
Eng. Fax: 303 293-4073



September 21, 1994

Ms. Pamela Grubaugh-Littig
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

RE: Increased Bond to 1999 Dollars, Division Order-94A, C.V. Spur Processing and Loadout Facility, Mountain Coal Company, ACT/007/022/DO-94A, Folder #3, Carbon County, Utah.

Dear Pam:

In reference to Mr. James W. Carter's letter dated August 16, 1994 I have enclosed two riders to our Surety Bond covering reclamation of Mountain Coal Company's C.V. Spur Coal Processing and Loadout Facility. The first rider increases the Bond amount by \$286,433 to \$2,728,178 as ordered by the Division. In addition, the rider acknowledges that the Spur will be operated by Savage Industries under a lease agreement between Mountain Coal Company and Savage. The second rider simply updates the address of Mountain Coal Company.

If you have any questions, please do not hesitate to call me at (303)293-7913.

Sincerely,

Paige B. Beville
Manager
Environmental, Health & Safety

Enclosures

cc: S. W. Anderson
D. M. Arnolds
J. E. Fisher
D. W. Guy
E. E. DiClaudio-w/o attachments

EXHIBIT "D"
STIPULATION TO REVISE
RECLAMATION AGREEMENT

Permit Number: ACT/007/022
Effective Date: _____

COAL
STIPULATION TO REVISE RECLAMATION AGREEMENT
--ooOOoo--

This STIPULATION TO REVISE RECLAMATION AGREEMENT entered into by and between the PERMITTEE and DIVISION incorporates the following revisions or changes to the RECLAMATION AGREEMENT: (Identify and Describe Revisions Below)

In accordance with this STIPULATION TO REVISE RECLAMATION AGREEMENT, the following Exhibits have been replaced by the PERMITTEE and are approved by the DIVISION:

- _____ Replace the RECLAMATION AGREEMENT in its entirety.
- _____ Replace Exhibit "A" - PERMIT AREA.
- _____ Replace Exhibit "B" - BONDING AGREEMENT.
- _____ Replace Exhibit "C" - LIABILITY INSURANCE.

The BONDING amount is revised from (\$2,441,745) to (\$2,728,178).

The BONDING Type is changed from _____ to _____.

The SURFACE DISTURBANCE is revised from _____ acres to _____ acres.

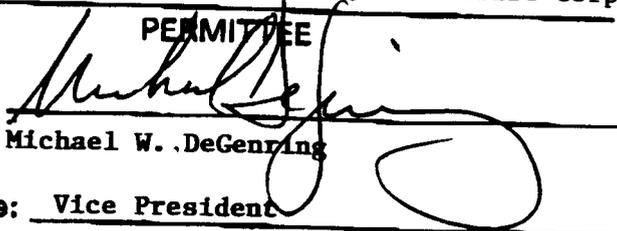
The EXPIRATION DATE is revised from _____ to _____.

The LIABILITY INSURANCE carrier is changed from _____
to _____.

The AMOUNT of INSURANCE coverage for bodily injury and property damage is changed from (\$ _____) to (\$ _____).

Exhibit "D"
Stipulation to Revise
Page 2

IN WITNESS WHEREOF the PERMITTEE has hereunto set its signature and seal
this 19th day of September, 1994.

MOUNTAIN COAL COMPANY, a Delaware corporation
PERMITTEE
By: 
Michael W. DeGenring
Title: Vice President

LEGAL
SWR

ACCEPTED BY THE STATE OF UTAH
this _____ day of _____, 19____.

Director, Division of Oil, Gas and Mining

NOTE:

An Affidavit of Qualification must be completed and attached to this form for each authorized agent or officer. Where one signs by virtue of Power of Attorney for a company, such Power of Attorney must be filed with this Agreement. If the PERMITTEE is a corporation, the Agreement shall be executed by its duly authorized officer.

CERTIFICATE

I, **Thomas F. Linn**, a duly appointed Assistant Secretary of **Mountain Coal Company** (the "Company"), a corporation organized under the laws of the State of Delaware, do hereby certify that:

1. Michael W. DeGenring was duly appointed Vice President of Mountain Coal Company, a wholly-owned subsidiary of Atlantic Richfield Company, pursuant to and in accordance with a Resolution of Mountain Coal Company's Board of Directors, and that said Vice President is currently a qualified and acting Vice President of Mountain Coal Company.
2. Said Vice President in his capacity as Vice President of Mountain Coal Company is empowered to execute and deliver various documents and instruments in accordance with the following resolution adopted by the Board of Directors of Atlantic Richfield Company at its meeting on September 20, 1993:

RESOLVED, That the Chairman, the President, any Vice President and the Treasurer be and they are hereby severally empowered to execute all contracts, documents, assignments, releases, proxies, powers of attorney with full and general or limited authority, with power of substitution, or any other instrument similar or dissimilar to the preceding, and other papers requiring execution in the name of the Company; and the Secretary and any Assistant Secretary are hereby authorized to affix the seal of the Company to such papers as require the seal. Each of such officers is hereby empowered to acknowledge and deliver any such instruments or papers as fully as if special authority had been granted in each particular case.

I further certify that the foregoing Resolution is still in full force and effect and has not been amended or rescinded.

WITNESS my hand and seal of this Company this sixteenth day of September, 1994.

[SEAL]



Thomas F. Linn
Assistant Secretary

STATE OF COLORADO)
) ss.
CITY & COUNTY OF DENVER)

I hereby certify that on this day before me, an officer duly authorized in the State, City and County aforesaid, to take acknowledgments, personally appeared **Thomas F. Linn**, known to me to be the Assistant Secretary of Mountain Coal Company, a Delaware corporation, and to me known to be the person described in the foregoing instrument, and acknowledged before me that he executed the same.

Witness my hand and official seal in the City and County and State last aforesaid as of this sixteenth day of September, 1994.



Notary Public

Address: Denver, Colorado

My commission expires: June 21, 1995

CALIFORNIA CIVIL CODE - CERTIFICATE OF ACKNOWLEDGMENT

STATE OF CALIFORNIA)
)
County of Los Angeles)

On SEPTEMBER 1, 1994, before me, CORA R. GALINATO, NOTARY PUBLIC,

personally appeared CASSIE J. BERRISFORD

personally known to me (or proved to me on the basis of satisfactory evidence)
to be the person(s) whose name(s) is/are subscribed to the within instrument
and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

Signature *Cora R. Galinato* (Seal)



UNITED PACIFIC INSURANCE COMPANY

HEAD OFFICE, PHILADELPHIA, PENNSYLVANIA

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 Pennsylvania, does hereby make, constitute and appoint Casale J. Berrisford, individually, of Los Angeles, California, its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed any and all bonds and undertakings of suretyship and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

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

ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKING

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 Attorney(s)-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(s)-in-Fact at any time and revoke the power and authority given to them.

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

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

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

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed, this 8 day of October, 1993

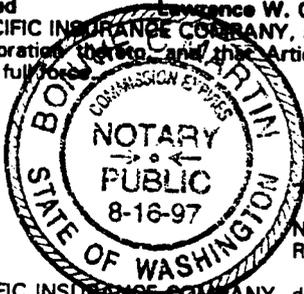
UNITED PACIFIC INSURANCE COMPANY


Vice President

STATE OF Washington
COUNTY OF King

} ss.

On this 8 day of October, 1993 personally appeared Lawrence W. Carlstrom, 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 and effect.




Notary Public in and for State of Washington
Residing at Sumner

I, Robyn Layng, 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 1ST day of SEPTEMBER 19 94.


Assistant Secretary



Reliance

RELiance SURETY COMPANY
Philadelphia, Pennsylvania

RELiance INSURANCE COMPANY
Philadelphia, Pennsylvania

UNITED PACIFIC INSURANCE COMPANY
Philadelphia, Pennsylvania

RELiance NATIONAL INDEMNITY COMPANY
Philadelphia, Pennsylvania

RIDER

To be attached to and form a part of

Type of Bond: MINING RECLAMATION BOND

Bond No. U-629894

executed by MOUNTAIN COAL COMPANY, as Principal

and by UNITED PACIFIC INSURANCE COMPANY, as Surety,

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

and dated SEPTEMBER 1, 1994

In consideration of the premium charged for the attached bond, it is hereby agreed to change
THE PRINCIPAL'S ADDRESS AS FOLLOW:

From: P.O. BOX AU, PRICE, UTAH 84501

To: P.O. BOX 591, SOMERSET, COLORADO 81434

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider is effective SEPTEMBER 12, 1994

Signed and Sealed SEPTEMBER 12, 1994

Principal MOUNTAIN COAL COMPANY
Michael W. DeGenring, Vice President

By: [Signature]
UNITED PACIFIC INSURANCE COMPANY

By: [Signature]
CASSIE J. BERRISFORD, Attorney-in-Fact

LEGAL
SWA

RIDER ACCEPTED (Please sign duplicate of this Rider and return to Surety)

By: _____

Date _____

CALIFORNIA CIVIL CODE - CERTIFICATE OF ACKNOWLEDGMENT

STATE OF CALIFORNIA)
)
County of Los Angeles)

On SEPTEMBER 12, 1994, before me, CORA R. GALINATO, NOTARY PUBLIC,

personally appeared CASSIE J. BERRISFORD

personally known to me (or proved to me on the basis of satisfactory evidence)
to be the person(s) whose name(s) is/are subscribed to the within instrument
and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

Signature *Cora R. Galinato* (Seal)



UNITED PACIFIC INSURANCE COMPANY

HEAD OFFICE, PHILADELPHIA, PENNSYLVANIA

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 Pennsylvania, does hereby make, constitute and appoint Cassie J. Berrisford, individually, of Los Angeles, California, its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed any and all bonds and undertakings of suretyship and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

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

ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKING

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 Attorney(s)-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(s)-in-Fact at any time and revoke the power and authority given to them.

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

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

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

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed, this 8 day of October, 1993

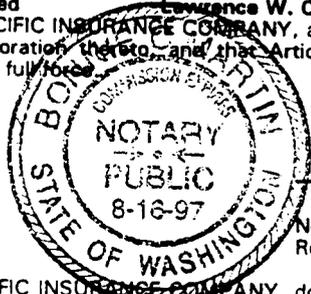
UNITED PACIFIC INSURANCE COMPANY

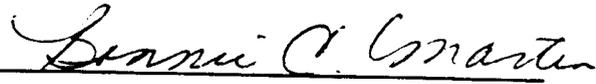

Vice President

STATE OF Washington
COUNTY OF King

} ss.

On this 8 day of October, 1993 personally appeared Lawrence W. Carlstrom, 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 and effect.





Notary Public in and for State of Washington
Residing at Sumner

I, Robyn Layng, 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 12TH day of SEPTEMBER 19 94.


Assistant Secretary

LIABILITY INSURANCE

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

ORIGINAL

Original fireproof file: Copy #4
Act 1007/022



This is to 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 94180-1203

- COMPANY CODES: *ASM*
- 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)

Bill - FBI

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

NAME AND ADDRESS OF INSURED Atlantic Richfield Company, its Subsidiaries and subsidiaries thereof as now or hereinafter constituted, Atlantic Richfield Plaza, 515 So. Flower Street, Los Angeles, CA 90071

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

Including Mountain Coal Company and ARCO Coal Company

TYPE OF POLICY	HAZARDS	CO. CODE	POLICY NUMBER	POLICY PERIOD	LIMITS OF LIABILITY		
(a) Standard Workmen's Compensation & Employers' Liability	<input type="checkbox"/>	<input type="checkbox"/>			\$ Statutory W. C. One Accident and Aggregate Disease		
(b) General Liability Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 519134-A	01-01-93 to 01-01-96	\$ See Below		
	Independent Contractors	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
	Completed Operations/Products	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	\$ Aggregate—Completed Operations/Products
	Contractual. (Specific type as described in footnote below)	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Property Damage Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ISL G1 519134-A	01-01-93 to 01-01-96	\$ See Below		
	Independent Contractors	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
	Completed Operations/Products	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	\$ Aggregate—Prem./Oper. \$ Aggregate—Protective \$ Aggregate—Completed Operations/Products
	Contractual. (Specific type as described in footnote below)	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
(c) Automobile Liability	<input type="checkbox"/>	<input type="checkbox"/>			\$		
	Bodily Injury Owned Automobiles	<input type="checkbox"/>				<input type="checkbox"/>	Each Person
	Hired Automobiles	<input type="checkbox"/>				<input type="checkbox"/>	Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
Property Damage	<input type="checkbox"/>	<input type="checkbox"/>			\$		
	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"/>	
(d) **INCLUDES "XCU" COVERAGE					\$ * \$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) a contract
 (Applicable) purchase order agreements
 (Block) 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)

C.V. Spur Coal Processing and Loadout Facility Act/007/022

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 a municipal ordinance, except in connection with work for the municipality, (4) sidetrack agreement, or (5) elevator maintenance agreement.

Handwritten signature

DIVISION ORDERS

WATER MONITORING

mining and Reclamation Plan
 Castle Valley Spur Coal Processing and Loadout Facility

Water Monitoring Program
Castle Valley Spur

Station	Location	Type	Frequency	Flow Device	Results To	Remarks
CV-0-W	N.W. Corner of Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-1-W	Pumphouse	French Drain	Bi-Annually	Time/Volume	DOGM, OSM	
CV-3-W	South Central Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-4-W	NE Corner Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-5-W	North Central Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-6-W	E. Central Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-10-W	S.E. Adjacent Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-11-W	N.E. Adjacent Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-12-W	North Adjacent Property	Well	Bi-Annually	Level Rod	DOGM, OSM	
CV-14-W	N.E. Corner Property	Ditch	Bi-Annually	Level Rod	DOGM, OSM	
CV-15-W	Sed. Pond Discharge	Pond Outlet	Monthly	Hand-Held Time/Volume	E.P.A., DOGM Utah Health Dept.	Monitored per NPDES Permit
CV-16-W	West Property Line	Surface Ditch	Bi-Annually	Time/Volume	DOGM	Baseline thru 6/91

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



January 28, 1995

*Ms. Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203*

Dear Ms. Littig:

Enclosed are the results of the Mountain Coal Company Water Monitoring for the Fourth Quarter of 1994.

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.

*Dan W. Guy for
Paige B. Beville, MCC*

DWG/db

Enclosures

*cc: Paige B. Beville, MCC
File
HYLNON*

E.I.S. Hydrology
Field Measurements Form

Date 11/30/94 Station # 21-0

Company M. Paul Savage

Time 11:00

Flow/Depth 0

pH Est 8.4

Specific Conductivity 13.13 x 1000

Water Temperature 10°C

Air Temperature 16°C

Dissolved Oxygen -

Type: Spring Stream Well Discharge NPDES

Collection Point Well # 0 (NW corner)

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: 0

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

WATER MONITORING REPORT

Property: CV Spur
Station: CV-O-W
Location: NW Corner of Property
Type: Well
Frequency: Bi-Annually

Field Measurements	04/05/94	Date Sampled	11/30/94	Mean
Flow [gpm]	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 11/30/94 Station # EV-1

Company Mt. Paul Sewage

Time 11:50

Flow/Depth _____

pH EST 8.4

Specific Conductivity 13.13 x 1000

Water Temperature 4°

Air Temperature 24°

Dissolved Oxygen N/A

Type: Spring ___ Stream ___ Well Discharge ___ NPDES ___

Collection Point _____

Appearance of Water: Clear Milky ___ Cloudy ___ Opaque ___

Quality Sample Taken: Yes No ___

Pump Reading _____

Comments French Drain

Field Monitor M.A. [Signature]

When Sample or Measurements Not Taken:

Reason: _____

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

Client: **Mountain Coal Company**
 Project: **CV Spur and 2-2W**
 Sample ID: **CV 1-W**
 Laboratory ID: **W02187**
 Sample Matrix: **Water**
 Condition: **Cool/Intact**

Date Reported: 12/29/94
 Date Sampled: 11/30/94
 Time Sampled: 1300
 Date Received: 12/05/94

Parameter	Analytical			
	Result	Units		Units
Lab pH.....	7.7	s.u.		
Lab Conductivity @ 25° C.....	7,310	umhos/cm		
Total Dissolved Solids @ 180°C.....	7,400	mg/L		
Total Dissolved Solids (Calc).....	6,900	mg/L		
Total Suspended Solids.....	30	mg/L		
Total Alkalinity as CaCO3.....	361	mg/L		
Total Hardness as CaCO3.....	2,900	mg/L		
Total Phosphorus.....	0.8	mg/L		
Ammonia.....	0.42	mg/L		
Sulfide.....	<0.01	mg/L		
Bicarbonate as HCO3.....	440	mg/L	7.22	meq/L
Carbonate as CO3.....	0	mg/L	0.00	meq/L
Hydroxide as OH.....	0	mg/L	0.00	meq/L
Nitrate Nitrogen.....	0.09	mg/L	<0.01	meq/L
Nitrite Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Fluoride.....	<0.01	mg/L	<0.01	meq/L
Chloride.....	145	mg/L	4.09	meq/L
Sulfate.....	4,480	mg/L	93.33	meq/L
Calcium.....	547	mg/L	27.30	meq/L
Magnesium.....	372	mg/L	30.60	meq/L
Potassium.....	14	mg/L	0.36	meq/L
Sodium.....	1,120	mg/L	48.90	meq/L
Cations.....			107.16	meq/L
Anions.....			104.65	meq/L
Cation/Anion Difference.....			1.18	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments:

Reported by mh

Reviewed by df

Client: **Mountain Coal Company**
 Project: **CV Spur and 2-2W**
 Sample ID: **CV 1-W**
 Laboratory ID: **W02187**
 Sample Matrix: **Water**
 Condition: **Cool/Intact**

Date Reported: 12/29/94
 Date Sampled: 11/30/94
 Time Sampled: 1300
 Date Received: 12/05/94

Parameter	Total Analytical Result	Units
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Trace Metals

Aluminum	<0.1	
Arsenic	<0.005	mg/L
Barium	<0.5	mg/L
Boron	1.49	mg/L
Cadmium	<0.002	mg/L
Chromium	<0.02	mg/L
Copper	<0.01	mg/L
Iron	0.17	mg/L
Lead	0.270	mg/L
Manganese	0.43	mg/L
Mercury	<0.001	mg/L
Molybdenum	0.01	mg/L
Nickel	0.01	mg/L
Selenium	<0.005	mg/L
Zinc	<0.01	mg/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989

Comments:

Reported by mh

Reviewed by At

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-1-W
 Location: NE Corner of Property
 Type: French Drain
 Frequency: Bi-Annually

Field Measurements	Date Sampled		MEAN
	04/05/94	11/30/94	
Flow (GPM)	UK	UK	
PH	6.59	8.40	7.50
Sp. Cond. [ohms]	19,650.00	13,130.00	16,390.00
Temp. [C]	10.00	4.00	7.00

Lab. Meas. [mg/l]

TDS	15,800.00	6,900.00	11,350.00
TSS	7.00	30.00	18.50
Al CaCO3	408.00	361.00	384.50
Hd CaCO3	2,570.00	2,900.00	2,735.00
Ac CaCO3	0.00	0.00	0.00
HCO3	497.00	440.00	468.50
CO3	0.00	0.00	0.00
Cl	210.00	145.00	177.50
SO4	10,300.00	4,480.00	7,390.00
Ca	350.00	547.00	448.50
Mg	413.00	372.00	392.50
K	14.00	14.00	14.00
Na	4,210.00	1,120.00	2,665.00
Cat/An	1.26	1.18	1.22
Fe	0.27	0.17	0.22
Mn	<0.02	0.43	<0.02

E.I.S. Hydrology
Field Measurements Form

Date 1/30/94

Station # EV-3

Company M. Coal Service

Time 1:00

Flow/Depth 4.5' FS

pH 7.0

Specific Conductivity 3500

Water Temperature 12°

Air Temperature 40

Dissolved Oxygen N/A

Type: Spring Stream Well Discharge NPDES

Collection Point Jensen yard

Appearance of Water: Clear Milky Cloudy Opaque

Quality Sample Taken: Yes No

Pump Reading _____

Comments _____

Field Monitor M. C. Conroy

When Sample or Measurements Not Taken:

Reason: _____

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

Client:	Mountain Coal Company	Date Reported:	12/29/94
Project:	CV Spur and 2-2W	Date Sampled:	11/30/94
Sample ID:	CV 3-W	Time Sampled:	1340
Laboratory ID:	W02188	Date Received:	12/05/94
Sample Matrix:	Water		
Condition:	Cool/Intact		

Parameter	Analytical			
	Result	Units		Units
Lab pH.....	7.2	s.u.		
Lab Conductivity @ 25° C.....	3,780	umhos/cm		
Total Dissolved Solids @ 180°C.....	3,590	mg/L		
Total Dissolved Solids (Calc).....	3,230	mg/L		
Total Suspended Solids.....	916	mg/L		
Total Alkalinity as CaCO3.....	251	mg/L		
Total Hardness as CaCO3.....	1,810	mg/L		
Total Phosphorus.....	0.4	mg/L		
Ammonia.....	0.09	mg/L		
Sulfide.....	<0.01	mg/L		
Bicarbonate as HCO3.....	306	mg/L	5.02	meq/L
Carbonate as CO3.....	0	mg/L	0.00	meq/L
Hydroxide as OH.....	0	mg/L	0.00	meq/L
Nitrate Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Nitrite Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Fluoride.....	<0.01	mg/L	<0.01	meq/L
Chloride.....	31	mg/L	0.88	meq/L
Sulfate.....	2,110	mg/L	44.00	meq/L
Calcium.....	459	mg/L	22.90	meq/L
Magnesium.....	160	mg/L	13.20	meq/L
Potassium.....	9.4	mg/L	0.24	meq/L
Sodium.....	306	mg/L	13.30	meq/L
Cations.....			49.64	meq/L
Anions.....			49.91	meq/L
Cation/Anion Difference.....			0.27	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989

Comments:

Reported by mh

Reviewed by St

Client: **Mountain Coal Company**
 Project: **CV Spur and 2-2W**
 Sample ID: **CV 3-W**
 Laboratory ID: **W02188**
 Sample Matrix: **Water**
 Condition: **Cool/Intact**

Date Reported: **12/29/94**
 Date Sampled: **11/30/94**
 Time Sampled: **1340**
 Date Received: **12/05/94**

Parameter	Total Analytical Result	Units
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Trace Metals

Aluminum	<0.1	
Arsenic	<0.005	mg/L
Barium	0.6	mg/L
Boron	0.56	mg/L
Cadmium	<0.002	mg/L
Chromium	<0.02	mg/L
Copper	<0.01	mg/L
Iron	1.79	mg/L
Lead	0.19	mg/L
Manganese	0.52	mg/L
Mercury	<0.001	mg/L
Molybdenum	<0.01	mg/L
Nickel	0.01	mg/L
Selenium	<0.005	mg/L
Zinc	0.09	mg/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments:

Reported by mh

Reviewed by alt

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-3-W
 Location: South Truckyard
 Type: Well
 Frequency: Bi-Annual

Field Measurements	Date Sampled		Mean
	04/05/94	11/30/94	
DFS (INCHES)	4'	4.2'	4.1'
PH	6.39	7.00	6.70
Sp. Cond. [ohms]	4,320.00	3,500.00	3,910.00
Temp. [C]	6.00	12.00	9.00

Lab. Meas. [mg/l]

TDS	3,410.00	3,230.00	3,320.00
TSS	1,300.00	916.00	1,108.00
Al CaCO3	240.00	251.00	245.50
Hd CaCO3	1,850.00	1,810.00	1,830.00
HCO3	293.00	306.00	299.50
CO3	0.00	0.00	0.00
Cl	50.00	31.00	40.50
SO4	2,240.00	2,110.00	2,175.00
Ca	400.00	459.00	429.50
Mg	209.00	160.00	184.50
K	9.60	9.40	9.50
Na	360.00	306.00	333.00
Cat/An	0.20	0.27	0.24
Fe	27.20	1.79	14.50
Mn	1.55	0.52	1.04

E.I.S. Hydrology
Field Measurements Form

Date 4/30/94 Station # W-4

Company Mt. Pool Pump

Time 1:20

Flow/Depth -

pH -

Specific Conductivity -

Water Temperature -

Air Temperature -

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 Dry

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: Dry

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

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-4-W
 Location: NE Corner of Property
 Type: Well
 Frequency: Bi-Annually

Field Measurements 04/5/94 Date Sampled 11/30/94 Mean

Flow [gpm] 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 11/30/94 Station # 21-5

Company Mt. Paul Garage

Time 12:15

Flow/Depth Dry

pH _____

Specific Conductivity _____

Water Temperature _____

Air Temperature _____

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: [Signature]

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

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-5-W
 Location: N Central Property
 Type: Well
 Frequency: Bi-Annually

Field Measurements	04/05/94	Date Sampled	11/30/94	Mean
Flow [gpm]	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 1/30/94

Station # AV-6

Company M.H. Peal Sarge

Time 2:00 (14:00)

Flow/Depth 2' FS

pH 8.0 EST

Specific Conductivity 1000 +

Water Temperature 6°C

Air Temperature 38°F

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 M.H. Peal

When Sample or Measurements Not Taken:

Reason: _____

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

Client:	Mountain Coal Company	Date Reported:	12/29/94
Project:	CV Spur and 2-2W	Date Sampled:	11/30/94
Sample ID:	CV 6-W	Time Sampled:	1400
Laboratory ID:	W02189	Date Received:	12/05/94
Sample Matrix:	Water		
Condition:	Cool/Intact		

Parameter	Analytical		Units	
	Result	Units		
Lab pH.....	7.5	s.u.		
Lab Conductivity @ 25° C.....	1,330	umhos/cm		
Total Dissolved Solids @ 180°C.....	1,030	mg/L		
Total Dissolved Solids (Calc).....	930	mg/L		
Total Suspended Solids.....	19	mg/L		
Total Alkalinity as CaCO3.....	220	mg/L		
Total Hardness as CaCO3.....	666	mg/L		
Total Phosphorus.....	0.2	mg/L		
Ammonia.....	0.09	mg/L		
Sulfide.....	<0.01	mg/L		
Bicarbonate as HCO3.....	269	mg/L	4.41	meq/L
Carbonate as CO3.....	0	mg/L	0.00	meq/L
Hydroxide as OH.....	0	mg/L	0.00	meq/L
Nitrate Nitrogen.....	0.57	mg/L	0.04	meq/L
Nitrite Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Fluoride.....	2.15	mg/L	0.11	meq/L
Chloride.....	10	mg/L	0.29	meq/L
Sulfate.....	506	mg/L	10.54	meq/L
Calcium.....	203	mg/L	10.13	meq/L
Magnesium.....	39	mg/L	3.18	meq/L
Potassium.....	3.9	mg/L	0.10	meq/L
Sodium.....	35	mg/L	1.53	meq/L
Cations.....			14.94	meq/L
Anions.....			15.28	meq/L
Cation/Anion Difference.....			1.11	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989

Comments:

Reported by mh

Reviewed by St

Client:	Mountain Coal Company	Date Reported:	12/29/94
Project:	CV Spur and 2-2W	Date Sampled:	11/30/94
Sample ID:	CV 6-W	Time Sampled:	1400
Laboratory ID:	W02189	Date Received:	12/05/94
Sample Matrix:	Water		
Condition:	Cool/Intact		

Parameter	Total Analytical Result	Units
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Trace Metals

Aluminum	<0.1	
Arsenic	<0.005	mg/L
Barium	0.6	mg/L
Boron	1.24	mg/L
Cadmium	0.002	mg/L
Chromium	.....	<0.02	mg/L
Copper	.....	<0.01	mg/L
Iron	.....	0.15	mg/L
Lead	.....	0.17	mg/L
Manganese	.....	<0.01	mg/L
Mercury	.....	<0.001	mg/L
Molybdenum	.....	<0.01	mg/L
Nickel	.....	<0.01	mg/L
Selenium	.....	<0.005	mg/L
Zinc	.....	0.30	mg/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989

Comments:

Reported by mh

Reviewed by dt

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-6-W
 Location: East Central Property
 Type: Well
 Frequency: Bi-Annual

Field Measurements	Date Sampled		Mean
	04/05/94	11/30/94	
DFS [ft]	10.00	2.00	6.00
PH	7.08	8.00	7.54
Sp. Cond. [ohms]	2,330.00	1,000.00	1,665.00
Temp. [C]	6.00	6.00	6.00

Lab. Meas. [mg/l]

TDS	1,400.00	930.00	1,165.00
TSS	126.00	19.00	72.50
Al CaCO3	221.00	220.00	220.50
Hd CaCO3	856.00	666.00	761.00
Ac CaCO3	0.00	0.00	0.00
HCO3	270.00	269.00	269.50
CO3	0.00	0.00	0.00
Cl	37.00	10.00	23.50
SO4	819.00	506.00	662.50
Ca	220.00	203.00	211.50
Mg	76.00	39.00	57.50
K	7.30	3.90	5.60
Na	110.00	35.00	72.50
Cat/An	1.45	1.11	1.28
Fe	2.79	0.15	1.47
Mn	0.13	<0.01	0.13

E.I.S. Hydrology
Field Measurements Form

Date 11/30/94 Station # 240W

Company M. Cal - Savage

Time 14:10

Flow/Depth Blocked

pH _____

Specific Conductivity _____

Water Temperature _____

Air Temperature _____

Dissolved Oxygen _____

Type: Spring ___ Stream ___ Well Discharge ___ NPDES ___

Collection Point Well #10

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

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-10-W
 Location: SE Adj. to Property
 Type: Well
 Frequency: Bi-Annually

Field Measurements	04/05/94	Date Sampled	11/30/94	Mean
Flow [gpm]	DRY	DRY	DRY	DRY
PH				
Sp. Cond. [ohms]				
Temp. [C]				
Diss. O [ppm]				

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

E.I.S. Hydrology
Field Measurements Form

Date 11/30/94 Station # Q1-11-W

Company M. Paul Surge

Time 14:20

Flow/Depth 9.7'

pH 7.5

Specific Conductivity 8000

Water Temperature 11"

Air Temperature 38

Dissolved Oxygen N/A

Type: Spring Stream Well Discharge NPDES

Collection Point Well II

Appearance of Water: Clear Milky Cloudy Opaque

Quality Sample Taken: Yes No

Pump Reading _____

Comments yellow -

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: _____

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

Client: **Mountain Coal Company**
 Project: CV Spur and 2-2W
 Sample ID: CV 11-W
 Laboratory ID: W02190
 Sample Matrix: Water
 Condition: Cool/Intact

Date Reported: 12/29/94
 Date Sampled: 11/30/94
 Time Sampled: 1420
 Date Received: 12/05/94

Parameter	Analytical			
	Result	Units	Result	Units
Lab pH.....	7.5	s.u.		
Lab Conductivity @ 25° C.....	17,900	umhos/cm		
Total Dissolved Solids @ 180°C.....	18,300	mg/L		
Total Dissolved Solids (Calc).....	16,900	mg/L		
Total Suspended Solids.....	83	mg/L		
Total Alkalinity as CaCO3.....	829	mg/L		
Total Hardness as CaCO3.....	4,330	mg/L		
Total Phosphorus.....	2	mg/L		
Ammonia.....	2.9	mg/L		
Sulfide.....	<0.01	mg/L		
Bicarbonate as HCO3.....	1,010	mg/L	16.58	meq/L
Carbonate as CO3.....	0	mg/L	0.00	meq/L
Hydroxide as OH.....	0	mg/L	0.00	meq/L
Nitrate Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Nitrite Nitrogen.....	<0.01	mg/L	<0.01	meq/L
Fluoride.....	<0.01	mg/L	<0.01	meq/L
Chloride.....	249	mg/L	7.02	meq/L
Sulfate.....	11,100	mg/L	231.94	meq/L
Calcium.....	337	mg/L	16.80	meq/L
Magnesium.....	848	mg/L	69.80	meq/L
Potassium.....	9.4	mg/L	0.24	meq/L
Sodium.....	3,840	mg/L	167.00	meq/L
Cations.....			253.84	meq/L
Anions.....			255.54	meq/L
Cation/Anion Difference.....			0.33	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989

Comments:

Reported by mk

Reviewed by dt

Client: **Mountain Coal Company**
 Project: CV Spur and 2-2W
 Sample ID: CV 11-W
 Laboratory ID: W02190
 Sample Matrix: Water
 Condition: Cool/Intact

Date Reported: 12/29/94
 Date Sampled: 11/30/94
 Time Sampled: 1420
 Date Received: 12/05/94

Parameter	Total Analytical Result	Units
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Trace Metals

Aluminum	3.7	
Arsenic	<0.005	mg/L
Barium	<0.5	mg/L
Boron	1.33	mg/L
Cadmium	0.005	mg/L
Chromium	<0.02	mg/L
Copper	<0.01	mg/L
Iron	10.7	mg/L
Lead	0.40	mg/L
Manganese	0.50	mg/L
Mercury	<0.001	mg/L
Molybdenum	0.04	mg/L
Nickel	<0.01	mg/L
Selenium	<0.005	mg/L
Zinc	0.55	mg/L

Reference: U.S.E.P.A. 600/4-79-020. "Methods for Chemical Analysis of Water and Wastes", 1983
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments:

Reported by mh

Reviewed by [Signature]

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-11-W
 Location: NE Adj to Property
 Type: Well
 Frequency: Bi-Annually

Field Measurements	Date Sampled		Mean
	04/05/94	11/30/94	
DFS [ft]	8.00	9.70	8.85
PH	7.14	7.50	7.32
Sp. Cond. [ohms]	99,999.00	18,000.00	58,999.50
Temp. [C]	6.00	11.00	8.50

Lab. Meas. [mg/l]

TDS	28,300.00	16,900.00	22,600.00
TSS	406.00	83.00	244.50
Al CaCO3	958.00	829.00	893.50
Hd CaCO3	6,480.00	4,330.00	5,405.00
Ac CaCO3	0.00	0.00	0.00
HCO3	1,170.00	1,010.00	1,090.00
CO3 --	0.00	0.00	0.00
Cl	250.00	249.00	249.50
SO4	19,100.00	11,100.00	15,100.00
Ca	330.00	337.00	333.50
Mg	1,370.00	848.00	1,109.00
K	15.00	9.40	12.20
Na	6,650.00	3,840.00	5,245.00
Cat/An	0.60	0.33	0.47
Fe	4.45	10.70	7.58
Mn	0.57	0.50	0.54

E.I.S. Hydrology
Field Measurements Form

Date 11/20/94

Station # PW-1300

Company Mt. Seal Salvage

Time 7:10

Flow/Depth -

pH -

Specific Conductivity -

Water Temperature -

Air Temperature -

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 Dry

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: Dry

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

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-12-W
 Location: North Adj. To Property
 Type: Well
 Frequency: Bi-Annually

Field Measurements	Date Sampled	Mean
04/05/94	11/30/94	
Flow [FS]	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 11/30/94

Station # CV-14W

Company Mt. Peal Sarge

Time 11:15

Flow/Depth ✓

pH _____

Specific Conductivity _____

Water Temperature _____

Air Temperature _____

Dissolved Oxygen _____

Type: Spring ___ ~~Stream~~ Stream ___ Well ___ Discharge ___ NPDES ___

Collection Point _____

Appearance of Water: Clear ___ Milky ___ Cloudy ___ Opaque ___

Quality Sample Taken: Yes ___ No

Pump Reading _____

Comments Sketch -

Field Monitor [Signature]

When Sample or Measurements Not Taken:

Reason: ✓

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

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-14-W
 Location: NE Property
 Type: Ditch
 Frequency: Bi-Annually

Field Measurements	04/05/94	Date Sampled	11/30/94	Mean
Flow [gpm]	DRY	DRY	DRY	DRY
PH				
Sp. Cond. [ohms]				
Temp. [C]				
Diss. O [ppm]				

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

E.I.S. Hydrology
Field Measurements Form

Date 10/12/94

Station # CV15

Company M.A. Cole

Time 1:10

Flow/Depth -

pH -

Specific Conductivity -

Water Temperature -

Air Temperature -

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 No Discharge / Some water in Pond

Field Monitor D.S.

When Sample or Measurements Not Taken:

Reason: -

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

E.I.S. Hydrology
Field Measurements Form

Date 11/29/99

Station # CU 15

Company Mtn Cone

Time 12:20

Flow/Depth -

pH -

Specific Conductivity -

Water Temperature -

Air Temperature -

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 No Discharge Water in Ponds

Field Monitor D.S.

When Sample or Measurements Not Taken:

Reason: Dry

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

E.I.S. Hydrology
Field Measurements Form

Date 12/23/99

Station # CV15

Company MGM Com / S.W.A.R.E

Time 1:00

Flow/Depth -

pH -

Specific Conductivity -

Water Temperature -

Air Temperature -

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 Dry (No Discharge) Frozen Water in Pond ->

Field Monitor D. S.

When Sample or Measurements Not Taken:

Reason: Dry

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

WATER MONITORING REPORT

Property: Castle Valley Spur
 Station: CV-15-W
 Location: Sed. Pond Discharge
 Type: Pond Outlet
 Frequency: Monthly

Field Measurements Date Sampled
 01/20/94 02/09/94 03/28/94 04/05/94 05/06/94 06/03/94 07/14/94 08/17/94 09/19/94 10/12/94 11/29/94

Flow [gpm] DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY

PH

Sp.Con. [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 1/30/94

Station # CV-1610

Company M. Carl

Time 10:50

Flow/Depth D

pH _____

Specific Conductivity _____

Water Temperature _____

Air Temperature _____

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 = Dry F = Frozen N/A = Not Accessable H/R = Not

WATER MONITORING REPORT

Property: CV Spur
 Station: CV-16-W
 Location: West [Central]
 Type: Ditch
 Frequency: Quarterly [Baseline]

Field Measurements	Date Sampled				Mean
	03/28/94	06/03/94	08/17/94	11/30/94	
Flow [gpm]	DRY	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

Quality Control / Quality Assurance

Quality Control / Quality Assurance

Spike Analysis / Known Analysis / Method Blank Total Metals

Client: Mountain Coal Company
Project: CV Spur and 2-2W
Set ID: W02191
Sample Matrix: Water
Condition: Cool/Intact

Date Reported: 12/07/94
Date Sampled: 11/29/94
Date Received: 12/05/94

Spike Analysis

Parameter	Spiked Sample Result (mg/L)	Unspiked Sample Result (mg/L)	Spike Amount (mg/L)	Percent Recovery
Iron	2.45	0.15	5.00	95%
Manganese	2.90	0.01	5.00	116%

Known Analysis

Parameter	Found Result (mg/L)	Known Value (mg/L)	Percent Recovery
Iron	1.01	1.00	101%
Manganese	1.06	1.00	106%

Method Blank Analysis

Parameter	Result	Detection Level
Iron	ND	0.05
Manganese	ND	0.02

Reference: U.S.E.P.A. 600/4-79-020. "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: Quality control run concurrently with the above sample lab numbers.

Reported By: mh

Reviewed By: dt

Quality Control / Quality Assurance

Quality Control / Quality Assurance

Trace Metals / Known Analysis

TOTAL METALS

Client: Mountain Coal Company
Project: CV Spur and 2-2W
Laboratory ID: W02187-2190
Sample Matrix: Water
Condition: Cool / Intact

Date Reported: 12/29/94
Date Sampled: 11/30/94
Date Received: 12/05/94

Known Analysis

Parameter	Found Value (mg/L)	Known Value (mg/L)	Percent Recovery
Aluminum	4.99	5.00	100%
Arsenic	0.009	0.010	90%
Barium	5.12	5.00	102%
Boron	1.01	1.00	101%
Cadmium	0.004	0.004	100%
Chromium	0.039	0.04	98%
Copper	0.009	0.010	90%
Iron	1.03	1.00	103%
Lead	0.93	1.00	93%
Manganese	1.09	1.00	109%
Mercury	0.008	0.008	100%
Molybdenum	0.009	0.010	90%
Nickel	0.009	0.010	90%
Selenium	0.010	0.010	100%
Zinc	1.01	1.00	101%

Reference: E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: Quality control run concurrently with the above sample lab numbers.

Reported By: mh

Reviewed By: dt

Quality Control / Quality Assurance**Trace Metals / Spike Analysis****TOTAL METALS**

Client: Mountain Coal Company
Project: CV Spur and 2-2W
Laboratory ID: W02187-2190
Sample Matrix: Water
Condition: Cool / Intact

Date Reported: 12/29/94
Date Sampled: 11/30/94
Date Received: 12/05/94

Spike Analysis

Parameter	Spike Result (mg/L)	UnSpiked Sample Result (mg/L)	Spike Amount (mg/L)	Percent Recovery
Aluminum	4.81	0.00	10.0	96%
Arsenic	0.026	0.001	0.050	102%
Barium	4.96	0.48	10.00	94%
Boron	1.61	1.12	0.49	98%
Cadmium	0.004	0.004	0.005	86%
Chromium	NS	NA	NS	NA
Copper	0.013	0.007	0.020	95%
Iron	2.45	0.15	5.00	95%
Lead	2.56	0.27	5.00	97%
Manganese	2.52	0.43	5.00	92%
Mercury	0.009	0.000	0.100	100%
Molybdenum	0.02	0.01	0.02	93%
Nickel	0.02	0.02	0.02	95%
Selenium	0.052	0.000	0.100	104%
Zinc	1.52	0.93	2.00	106%

NS: Not Spiked.

NA: Not Applicable.

Reference: E.P.A. 600/4-79-020 "Methods for Chemical Analysis of Water and Wastes", 1983.
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: Quality control run concurrently with the above sample lab numbers.

Reported By: mh

Reviewed By: Alt

Quality Control / Quality Assurance

Trace Metals / Blank Analysis

TOTAL METALS

Client: Mountain Coal Company
Project: CV Spur and 2-2W
Laboratory ID: W02187-2190
Sample Matrix: Water
Condition: Cool / Intact

Date Reported: 12/29/94
Date Sampled: 11/30/94
Date Received: 12/05/94

Blank Analysis

Parameter	Found Value (mg/L)	Detection Level (mg/L)
Aluminum	ND	0.1
Arsenic	ND	0.005
Barium	ND	0.5
Boron	ND	0.01
Cadmium	ND	0.002
Chromium	ND	0.02
Copper	ND	0.01
Iron	ND	0.05
Lead	ND	0.005
Manganese	ND	0.02
Mercury	ND	0.001
Molybdenum	ND	0.01
Nickel	ND	0.01
Selenium	ND	0.005
Zinc	ND	0.01

ND: Not detected at stated detection level.

Reference: E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 "Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Comments: Quality control run concurrently with the above sample lab numbers.

Reported By: mh

Reviewed By: df

Quality Assurance / Quality Control

TOTAL OIL AND GREASE
Quality Assurance/Quality Control**Mountain Coal Co.**

Project: CV Spur and 2-2W
Matrix: Water
Condition: Intact/Cool

Date Reported: 12/15/94
Date Sampled: 11/29/94
Date Received: 12/05/94
Date Extracted: 12/13/94
Date Analyzed: 12/14/94

Method Blank Analysis

Lab ID	Result	Units	Detection Limit
MB	ND	mg/L	1

Known Analysis

Lab ID	Found Conc.	Known Conc.	Units	Percent Recovery
QC STD	24.5	21.0	mg/L	117%

References:

Method 413.2: Oil And Grease, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3510: Separatory Funnel Liquid - Liquid Extraction, USEPA SW-846, Test Methods for Evaluating Solid Waste, Sept. 1986.

Analyst:

Anna Schauer

Reviewed:

D. L.



CHAIN OF CUSTODY RECORD

FILED COPY

Client/Project Name		Project Location		ANALYSES / PARAMETERS					Remarks
Sampler: (Signature)		Chain of Custody Tape No.		No. of Containers	RAW	METALS	OIL & GREASE		
Sample No./ Identification	Date	Time	Lab Number					Matrix	
CV 1-W	11/30/94	13:00	2187	GROUND WATER	2	1	1	THESE SAMPLES HAVE NOT BEEN FIELD FILTERED	
CV 3-W	"	13:40	2188	GROUND WATER	2	1	1		
CV 6-W	"	14:00	2189	GROUND WATER	2	1	1		
CV 11-W	"	14:20	2190	GROUND WATER	2	1	1		
2-2W	11/29/94	12:24	2191	SURFACE WATER	3	1	1		1

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	11/30/94	4:30	<i>[Signature]</i>	12/5	2:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, Wyoming 82801
Telephone (307) 672-8945

1714 Phillips Circle
Gillette, Wyoming 82716
Telephone (307) 682-8945

2506 West Main Street
Farmington, NM 87401
Telephone (505) 326-4737

910 Technology Blvd. Suite B
Bozeman, Montana 59715
Telephone (406) 586-8450

Route 3, Box 256
College Station, TX 77845
Telephone (409) 776-8945

3304 Longmire Drive
College Station, TX 77845
Telephone (409) 774-4999

05705

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

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



January 28, 1995

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of December 1994.

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". The signature is written in black ink and is positioned above the typed name.

Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-H5
HELPER UT 84526
FACILITY C.V. SPUR
LOCATION
ATTN: KETHLEEN WELT

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

UTG040005 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

MINOR
 Form Approved. OMB No. 2040-0004
F - FINAL
SED PND OTFL DRNG BTCH/PAC RVR

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	12	01		94	12	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 (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			(07)						
00056 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	*****			
EFFLUENT GROSS VALUE		*****	*****								
PH		*****	*****					(12)			
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	6.5	*****	9.0	SU		TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE		*****	*****		*****			(19)			
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	25	70	MG/L		ONCE/GRAB MONTH	
00530 P 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	30DA AVG	DAILY MX	MG/L			
SEE COMMENTS BELOW		*****	*****		*****	*****		(25)			
SOLIDS, SETTLEABLE		*****	*****		*****	*****		(19)			
00545 R 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.5	ML/L		ONCE/GRAB MONTH	
SEE COMMENTS BELOW		*****	*****		*****	*****		(19)			
OIL AND GREASE		*****	*****		*****	*****		(19)			
FREON EXTR-GRAY METH		*****	*****		*****	*****	10	MG/L		ONCE/GRAB MONTH	
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	DAILY MX	MG/L			
EFFLUENT GROSS VALUE		*****	*****		*****	*****		(19)			
IRON, TOTAL (AS FE)		*****	*****		*****	*****	1.0	MG/L		ONCE/GRAB MONTH	
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	DAILY MX	MG/L			
EFFLUENT GROSS VALUE		*****	*****		*****	*****		(19)			
SOLIDS, TOTAL DISSOLVED		*****	*****	(26)	*****	*****		(19)			
70295 Q 0 0	PERMIT REQUIREMENT	*****	2000	DAILY MX	*****	*****	REPORT DAILY MX	MG/L		ONCE/GRAB MONTH	
SEE COMMENTS BELOW		*****	*****		*****	*****		(19)			

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED UPON 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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING FINES AND IMPRISONMENT. (Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 3 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-2422
 DATE: 95 01 27
 AREA CODE: 801 NUMBER: 637-2422 YEAR: 95 MO: 01 DAY: 27

PERMITTEE SHALL EXPLAINATION OF ALL DISCHARGES (Refer to all attachments here)
 TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



December 28, 1994

Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

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 cover the month of November 1994.

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 the first name "Dan" being particularly prominent.

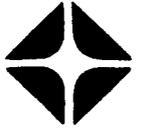
Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



December 28, 1994

Ms. Pamela Grubaugh-Littig
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Littig:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports cover the month of November 1994.

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

Respectfully,

Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



December 28, 1994

*Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of November 1994.

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

Respectfully,

*Dan W. Guy for
Paige B. Beville, MCC*

Enclosures

DWG/db

*cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File*

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-HS
HELPER UT 84526
FACILITY C.V. SPUR
LOCATION
ATTN: KETHLEEN WELT

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

UTG040005
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MINOR

Form Approved.

F - FINAL OMB No. 2040-0004
 SED PND OT F P DRNG ST DW PRC RVR

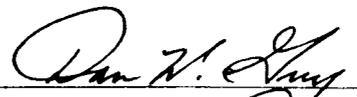
MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
94	11	01	TO	94	11	30	
(20-21)		(22-23)		(24-25)		(26-27) (28-29) (30-31)	

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE				(07)	*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE / GRAB MONTH	
PH		*****	*****					(12)		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	TWICE / GRAB MONTH	
SOLIDS, TOTAL SUSPENDED		*****	*****		*****			(19)		
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	25 30DA AVG	70 DAILY MX	MG/L	ONCE / GRAB MONTH	
SOLIDS, SETTLEABLE		*****	*****		*****	*****		(25)		
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L	ONCE / GRAB MONTH	
OIL AND GREASE FREON EXTR-GRAY METH		*****	*****		*****	*****		(19)		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L	ONCE / GRAB MONTH	
IRON, TOTAL (AS FE)		*****	*****		*****	*****		(19)		
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L	ONCE / GRAB MONTH	
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****	*****		(19)		
70295 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000 DAILY MX	LBS/DY	*****	*****	REPORT DAILY MX	MG/L	ONCE / GRAB MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 18 USC § 1343. (Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 637-2422
 AREA CODE NUMBER
 DATE
 94 12 23
 YEAR MO DAY

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

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

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



November 28, 1994

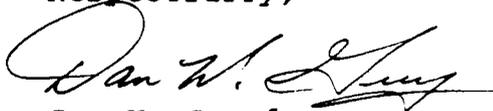
Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

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 cover the month of October 1994.

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

Respectfully,


Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



November 28, 1994

Ms. Pamela Grubaugh-Littig
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Littig:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports cover the month of October 1994.

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 long horizontal stroke extending to the right.

Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



November 28, 1994

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of October 1994.

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Respectfully,

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Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-H5
HELPER UT 84526
FACILITY
LOCATION C.V. SPUR
ATTN: KATHLEEN WELT

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

UTG040005 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

MINOR
 Form Approved. OMB No. 2040-0004
F - FINAL
SED PMD OTF PDRS BCLW PRC RVR

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	10	01		94	10	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)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE				(07)	*****	*****	*****			
00056 1 0 0					*****	*****	*****	***		
EFFLUENT GROSS VALUE		REPORT	REPORT					****		ONCE/ GRAB MONTH
PH		30DA AVG	DAILY MX	GPD						
00400 1 0 0		*****	*****	****	6.5	*****	9.0			TWICE/ GRAB MONTH
EFFLUENT GROSS VALUE		*****	*****	****	DAILY MN		DAILY MX	SU		
SOLIDS, TOTAL SUSPENDED		*****	*****	****	*****					
00530 P 3 0		*****	*****	****	*****	25	70			ONCE/ GRAB MONTH
SEE COMMENTS BELOW		*****	*****	****	*****	30DA AVG	DAILY MX	MG/L		
SOLIDS, SETTLEABLE		*****	*****	****	*****					
00545 R 0 0		*****	*****	****	*****		0.5			ONCE/ GRAB MONTH
SEE COMMENTS BELOW		*****	*****	****	*****		DAILY MX	ML/L		
OIL AND GREASE		*****	*****	****	*****					
FREON EXTR-GRAY METH		*****	*****	****	*****					
00556 1 0 3		*****	*****	****	*****		10			ONCE/ GRAB MONTH
EFFLUENT GROSS VALUE		*****	*****	****	*****		DAILY MX	MG/L		
IRON, TOTAL (AS FE)		*****	*****	****	*****					
01045 1 0 0		*****	*****	****	*****		1.0			ONCE/ GRAB MONTH
EFFLUENT GROSS VALUE		*****	*****	****	*****		DAILY MX	MG/L		
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****					
70295 0 0 0		*****	2000		*****		REPORT			ONCE/ GRAB MONTH
SEE COMMENTS BELOW		*****	DAILY MX	LBS/DY	*****		DAILY MX	MG/L		

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-2422
 DATE: 94 11 28
 AREA CODE: 801 NUMBER: 637-2422 YEAR: 94 MO: 11 DAY: 28

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

Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



October 28, 1994

Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

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 cover the month of September 1994.

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

Respectfully,

Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



October 28, 1994

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

Dear Ms. Franklin:

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

Respectfully,

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Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



October 28, 1994

Ms. Pamela Grubaugh-Littig
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Littig:

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Enclosures

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Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-H5
HELPER UT 84526

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

UTG040005 PERMIT NUMBER
001 A DISCHARGE NUMBER

MINOR

Form Approved. OMB No. 2040-0004

F - FINAL SED PND OT FL PND BRNG BY CHV PRC RVR

FACILITY LOCATION

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	09	01		94	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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

ATTN: KETHLEEN WELT

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE		NO DISCHARGE (07)			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/ GRAB MONTH	
PH	SAMPLE MEASUREMENT	*****	*****			*****		(12)		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	TWICE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****			(19)		
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	25 30DA AVG	70 DAILY MX	MG/L	ONCE/ GRAB MONTH	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****		(25)		
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L	ONCE/ GRAB MONTH	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****		(19)		
FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L	ONCE/ GRAB MONTH	
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		(19)		
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L	ONCE/ GRAB MONTH	
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(26)	*****	*****		(19)		
SOLIDS, TOTAL DISSOLVED	PERMIT REQUIREMENT	*****	2000 DAILY MX	LB S/ DY	*****	*****	REPORT DAILY MX	MG/L	ONCE/ GRAB MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL 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 \$5000 and/or maximum imprisonment of between 6 months and 5 years.

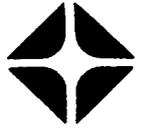
Dan W. Gray
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-2422
 DATE: 94 10 28
 AREA CODE: 801 NUMBER: 637-2422 YEAR: 94 MO: 10 DAY: 28

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Mountain Coal Company

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Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



September 28, 1994

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the months of July and August 1994.

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

Respectfully,

Dan W. Guy for
Paige B. Beville, MCC

Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



September 28, 1994

Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

Dear Mr. Hilden:

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Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Paige B. Beville, Mountain Coal Co.
File

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



September 28, 1994

*Ms. Pamela Grubaugh-Littig
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203*

Dear Ms. Littig:

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Enclosures

DWG/db

*cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Paige B. Beville, Mountain Coal Co.
File*

PERMITTEE NAME: MOUNTAIN COAL COMPANY
 ADDRESS: C/O BLACKHAWK ENGINEERING
 RT 1 BOX 146-HS
 HELPER UT 84526
 FACILITY: _____
 LOCATION: _____
 ATTN: KATHLEEN WELT

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

UTG040005
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MINOR

Form Approved. OMB No. 2040-0004

F - FINAL SED PND OT F... RVR

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
94	07	01		94	07	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

*** NO DISCHARGE [X] ***
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PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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FLOW RATE		NO DISCHARGE (07)			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/ GRAB MONTH	
PH		*****	*****				(12)				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		TWICE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED		*****	*****		*****			(19)			
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	25 30DA AVG	70 DAILY MX	MG/L		ONCE/ GRAB MONTH	
SOLIDS, SETTLEABLE		*****	*****		*****			(25)			
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		ONCE/ GRAB MONTH	
OIL AND GREASE		*****	*****		*****	*****		(19)			
FREON EXTR-GRAV METH		*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH	
IRON, TOTAL (AS FE)		*****	*****		*****	*****		(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		ONCE/ GRAB MONTH	
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****	*****		(19)			
70295 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000 DAILY Mx	LBs/DY	*****	*****	REPORT DAILY MX	MG/L		ONCE/ GRAB MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1363 (Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years)

Dan N. Luy
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 637-2422
 DATE: 94 08 28
 AREA CODE: 801 NUMBER: 637-2422 YEAR: 94 MO: 08 DAY: 28

COMMENT AND EXPLANATION OF ALL VIOLATIONS (Reference all attachments here)
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Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



July 28, 1994

*Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870*

Dear Mr. Hilden:

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

Respectfully,

*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Kathy Welt, Mountain Coal Co.
File*

Mountain Coal Company
West Elk Mine
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July 28, 1994

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Denver, Colorado 80202-2405

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**Dan W. Guy for
Kathy Welt, MCC**

Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File

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July 28, 1994

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*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File*

Mountain Coal Company

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June 28, 1994

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Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870**

Dear Mr. Hilden:

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Respectfully,

**Dan W. Guy for
Kathy Welt, MCC**

Enclosures

DWG/db

**cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Kathy Welt, Mountain Coal Co.
File**

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West Elk Mine
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June 28, 1994

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

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Respectfully,

*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File*

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June 28, 1994

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U.S.E.P.A., Region VIII
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Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of May 1994.

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, written over the typed name below.

*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File*

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
 NAME MOUNTAIN COAL COMPANY
 ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-B5
HELPER UT 84526
 FACILITY C.V. SPUR
 LOCATION _____

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

UT6040005 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

MINOR

Form Approved.

F - FINAL OMB No. 2040-0004
 SED PND OTF PND DMS DTDG PRC RVR

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	05	01	TO	94	05	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [X] ***

NOTE: Read instructions before completing this form.

ATTN: KETHLEEN WELT

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE				(07)	*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	****		
PH		*****	*****			*****		(12)		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED		*****	*****		*****			(19)		
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	25 30DA AVG	70 DAILY MX	MG/L		ONCE/ GRAB MONTH
SOLIDS, SETTLEABLE		*****	*****		*****	*****		(25)		
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		ONCE/ GRAB MONTH
OIL AND GREASE FREON EXTR-GRV METH		*****	*****		*****	*****		(19)		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH
IRON, TOTAL (AS FE)		*****	*****		*****	*****		(19)		
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		ONCE/ GRAB MONTH
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****	*****		(19)		
70295 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000 DAILY MX	LBS/DY	*****	*****	REPORT DAILY MX	MG/L		ONCE/ GRAB MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Kathleen Welt
 Environmental Supervisor

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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT (SEE 18 USC, § 1001 AND 18 USC, § 1003). Penalties under these statutes may include fines up to \$50,000 and/or a maximum imprisonment of between 6 months and 5 years.

Kathleen Welt
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 637-2422
 DATE 94 06 28
 AREA CODE NUMBER YEAR MO DAY

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

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



Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015

May 27, 1994

Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

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 cover the month of April 1994.

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

Respectfully,

Dan W. Guy for
Kathy Welt, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Pamela Grubaugh-Littig, UDOGM
Kathy Welt, Mountain Coal Co.
File

Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



May 27, 1994

Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of April 1994.

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

Respectfully,

Dan W. Guy for
Kathy Welt, MCC

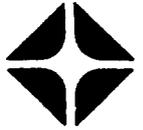
Enclosures

DWG/db

cc: Pamela Grubaugh-Littig, UDOGM
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File

Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



May 27, 1994

*Ms. Pamela Grubaugh-Littig
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203*

Dear Ms. Littig:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports cover the month of April 1994.

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". The signature is written in black ink and is positioned above the typed name.

*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File*

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-H5
HELPER UT 84526
 FACILITY _____
 LOCATION _____
ATTN: KETHLEEN WELT

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

UTG040005 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

MINOR
 Form Approved. OMB No. 2040-0004
F - FINAL
SED PND OT FE DRWS DICHYPPIC RVR
***** NO DISCHARGE [X] *****
 NOTE: Read instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	04	01		94	04	30
(20-21)		(22-23) (24-25)		(26-27)		(28-29) (30-31)

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (46-53)	AVERAGE (46-53)	MAXIMUM (46-53)				UNITS (46-53)
FLOW RATE				(07)	*****	*****	*****			
00056 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	***	ONCE/GRAB MONTH	
EFFLUENT GROSS VALUE		*****	*****					****		
PH								(12)		
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0		TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE		*****	*****	****	DAILY MN		DAILY MX	SU		
SOLIDS, TOTAL SUSPENDED		*****	*****		*****			(19)		
00530 P 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	25	70		ONCE/GRAB MONTH	
SEE COMMENTS BELOW		*****	*****	****	*****	30DA AVG	DAILY MX	MG/L		
SOLIDS, SETTLEABLE		*****	*****		*****	***	***	(25)		
00545 R 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5		ONCE/GRAB MONTH	
SEE COMMENTS BELOW		*****	*****	****	*****	*****	DAILY MX	ML/L		
OIL AND GREASE		*****	*****		*****	*****		(19)		
FREON EXTR-GRAY METH		*****	*****	****	*****	*****	10		ONCE/GRAB MONTH	
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	DAILY MX	MG/L		
EFFLUENT GROSS VALUE		*****	*****		*****	*****		(19)		
IRON, TOTAL (AS FE)		*****	*****		*****	*****		(19)		
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0		ONCE/GRAB MONTH	
EFFLUENT GROSS VALUE		*****	*****	****	*****	*****	DAILY MX	MG/L		
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****	*****		(19)		
70295 Q 0 0	PERMIT REQUIREMENT	*****	2000		*****	*****	REPORT		ONCE/GRAB MONTH	
SEE COMMENTS BELOW		*****	DAILY MX	LB S/DY	*****	*****	DAILY MX	MG/L		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Kathleen Welt Environmental Supervisor TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE 801 637-2422	DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

94 05 27
 YEAR MO DAY

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

Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



April 28, 1994

Mr. Donald A Hilden, PH.D., Chief
Permits and Compliance Section
Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

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 cover the month of March 1994.

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". The signature is written in black ink and is positioned above the typed name.

Dan W. Guy for
Kathy Welt, MCC

Enclosures

DWG/db

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

Mountain Coal Company
West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



April 28, 1994

*Ms. Donna Franklin
U.S.E.P.A., Region VIII
999 18th Street
Denver Place - Suite 500 WM-C
Denver, Colorado 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 cover the month of March 1994.

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

Respectfully,

*Dan W. Guy for
Kathy Welt, MCC*

Enclosures

DWG/db

*cc: Lowell Braxton, UDOGM
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File*

Mountain Coal Company

West Elk Mine
Post Office Box 591
Somerset, Colorado 81434
Telephone 303 929-5015



April 28, 1994

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

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040004, UTG040005, UTG040014 and UTG040015. These reports cover the month of March 1994.

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 prominent loop at the end.

Dan W. Guy for
Kathy Welt, MCC

Enclosures

DWG/db

cc: Donna Franklin, E.P.A.
Donald Hilden, D.E.Q.
Kathy Welt, Mountain Coal Co.
File

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)
NAME MOUNTAIN COAL COMPANY
ADDRESS C/O BLACKHAWK ENGINEERING
RT 1 BOX 146-HS
HELPER UT 84526

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

UTG040005

PERMIT NUMBER

001 A

DISCHARGE NUMBER

MINOR

Form Approved.

F - FINAL

OMB No. 2040-0004

SED PND OTFL DRNG BTCH/PC RVR

FACILITY LOCATION

ATTN: KETHLEEN WELT

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
94	03	01	TO	94	03	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

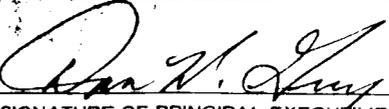
*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (07)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (12)			
FLOW RATE				(07)	*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE / GRAB MONTH	
PH		*****	*****			*****		(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.5 DAILY MN	*****	9.0 DAILY MX	SU		TWICE / GRAB MONTH	
SOLIDS, TOTAL SUSPENDED		*****	*****		*****			(19)			
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	25 30DA AVG	70 DAILY MX	MG/L		ONCE / GRAB MONTH	
SOLIDS, SETTLEABLE		*****	*****		*****	*****		(25)			
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		ONCE / GRAB MONTH	
OIL AND GREASE		*****	*****		*****	*****		(19)			
FREON EXTR-GRAY METH		*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE / GRAB MONTH	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE / GRAB MONTH	
IRON, TOTAL (AS FE)		*****	*****		*****	*****		(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		ONCE / GRAB MONTH	
SOLIDS, TOTAL DISSOLVED		*****		(26)	*****	*****		(19)			
70295 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	2000 DAILY MX	LBS/DY	*****	*****	REPORT DAILY MX	MG/L		ONCE / GRAB MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	637-2422	94	04	28
AREA CODE	NUMBER	YEAR	MO	DAY

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

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

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

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

01040015
 PERMIT NUMBER

001
 DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 10-31-84 RVR

FACILITY _____
 LOCATION _____

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
74	02	01		74	02	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [X] ***

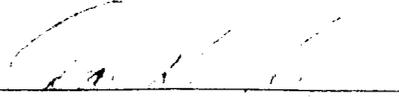
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (38-39)	AVERAGE (40-41)	MAXIMUM (42-43)				UNITS (44-45)
FLOW RATE				(07)	*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 300A AVG	REPORT DAILY MX	100	*****	*****	*****		ONCE / GRAB MONTH	
PH		*****	*****			*****	(12)			
	PERMIT REQUIREMENT	*****	*****	***	DAILY MX	*****	DAILY MX		TWICE / GRAB MONTH	
	SAMPLE MEASUREMENT	*****	*****		*****		(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	300A AVG	DAILY MX	1/2	ONCE / GRAB MONTH	
	SAMPLE MEASUREMENT	*****	*****		*****	*****	(25)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5 DAILY MX	1/2	ONCE / GRAB MONTH	
	SAMPLE MEASUREMENT	*****	*****		*****	*****	(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	10 DAILY MX	1/2	ONCE / GRAB MONTH	
	SAMPLE MEASUREMENT	*****	*****		*****	*****	(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	1/2	ONCE / GRAB MONTH	
	SAMPLE MEASUREMENT	*****		(25)	*****	*****	(17)			
	PERMIT REQUIREMENT	*****	3000	DAILY MX	*****	*****	REPORT DAILY MX	1/2	ONCE / GRAB MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE _____
 DATE YEAR MO DAY
 1984 02 08
 AREA CODE NUMBER

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

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
 NAME _____
 ADDRESS _____
 FACILITY _____
 LOCATION _____
 ATTN: _____

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

010040005
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

Form Approved.
 OMB No. 2040-0004
 Approval expires 10-31-94 RVR

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	01	01		94	01	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 (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE				(07)	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	SPD	*****	*****	*****	***			ONCE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****	*****					(12)			
	PERMIT REQUIREMENT	*****	*****	***	DAILY MX	DAILY MX					TWICE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****	*****		*****			(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	30DA AVG	DAILY MX	L/L			ONCE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****	*****		*****	*****		(15)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.5	DAILY MX	L/L		ONCE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****	*****		*****	*****		(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0	DAILY MX	L/L		ONCE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****	*****		*****	*****		(17)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0	DAILY MX	L/L		ONCE/ GRAB MONTH
	SAMPLE MEASUREMENT	*****		(20)	*****	*****		(19)			
	PERMIT REQUIREMENT	*****	2000	DAILY MX	*****	*****	REPORT DAILY MX	L/L			ONCE/ GRAB MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

 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 \$100,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 1 637-4422
 AREA CODE NUMBER
 DATE
 11 22 88
 YEAR MO DAY

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

POND INSPECTIONS

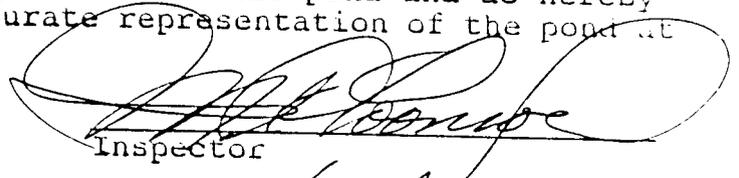
E.I.S Hydrology
Pond Inspection Report

POND: #1

LOCATION: W Spare

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>Steel - Steel Marker missing or below surface -</u>
(5) Recommendations/Comments	<u>90% Capacity - No Overlays - Frozen</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.


Inspector

Date 4/30/94

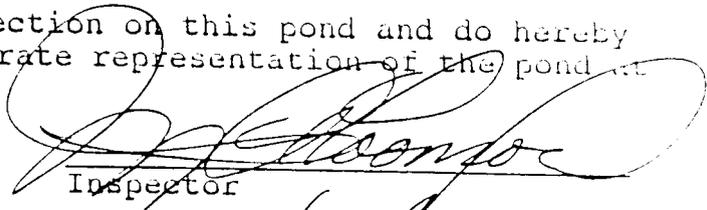
E.I.S Hydrology
Pond Inspection Report

POND: # 2

LOCATION: CV Spare

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


Inspector

Date 11/30/94

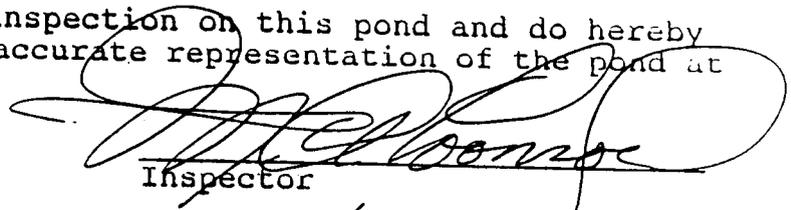
E.I.S Hydrology
Pond Inspection Report

POND: #3

LOCATION: CV Lane

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

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


Inspector

11/30/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: Plan Dryflow # 4

LOCATION: CV Spruce

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 @ 80% Fragen</u>
(5) Recommendations/Comments	<u>No Discharge</u>

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

[Signature]
Inspector
Date 11/30/94

E.I.S Hydrology
Pond Inspection Report

POND: OC-5

LOCATION: CV Lane

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None major - Minor on south side</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>No Damage</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

11/30/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: 006

LOCATION: Four -

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good - minor accumulation on S inlet of Sediment.</u>
(5) Recommendations/Comments	<u>None - 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

10/4/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: CV-1

LOCATION: Rep. Road. v.s.p.

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

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

[Signature]
Inspector

Date 8/1/94

E.I.S Hydrology
Pond Inspection Report

POND: A-2

LOCATION: Pop Pond WSP

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

M. P. [Signature]
Inspector

Date 8/11/94

E.I.S Hydrology
Pond Inspection Report

POND: 25

LOCATION: USP

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 (30% Sed)</u>
(5) Recommendations/Comments	<u>4" Water -</u>

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

J.P. Conroy
Inspector

Date 8/11/94.

E.I.S Hydrology
Pond Inspection Report

POND: # 4

LOCATION: El Sauer

<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>Stable</u>
(5) Recommendations/Comments	<u>None - 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.

J. P. Brown
Inspector

Date 8/11/94

E.I.S Hydrology
Pond Inspection Report

POND: 5

LOCATION: CV Spill

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance
Performance Standards

Good

(5) Recommendations/Comments

10% Cap.
No Discharge
Low Water

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

[Signature]
Inspector

Date 5/11/94

E.I.S Hydrology
Pond Inspection Report

POND: # 6

LOCATION: Pal. P. (22 square)

ITEM REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance
Performance Standards

Good -

(5) Recommendations/Comments

Water level low -
Call. 203 Dry
20% Cap. No Discharge

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

[Signature]
Inspector

8/11/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: #1

LOCATION: CV Square

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

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

[Signature]
Inspector

Date 6/5/24

E.I.S Hydrology
Pond Inspection Report

POND: 2

LOCATION: CV Spare

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

J.W. Brennan
Inspector

Date 6/3/94

E.I.S Hydrology
Pond Inspection Report

POND: 23

LOCATION: W Spar

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>Red marker in evidence</u> <u>(one removed)</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 6/3/94

E.I.S Hydrology
Pond Inspection Report

POND: #4

LOCATION: CV Spine

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>None</u> <u>No Discharge</u>

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

[Signature]
Inspector

6/3/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: #5

LOCATION: CV Spur

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>Water level - low</u> <u>Herbs - Bottom exposed</u>

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

J.P. Connor
Inspector

Date 6/3/94

E.I.S Hydrology
Pond Inspection Report

POND: # 6

LOCATION: CV Spire

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Stable</u>
(3) Erosion	<u>None</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>Minor sediment loading in kt -</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 6/3/94

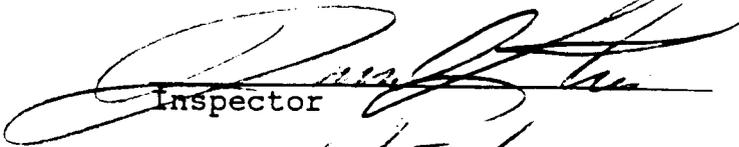
E.I.S Hydrology
Pond Inspection Report

POND: pond 2

LOCATION: Beaver ...

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>NONE</u>
(2) Slope Stability	<u>ADEQUATE - EXISTING</u> <u>... COVER</u>
(3) Erosion	<u>NONE</u>
(4) Construction and Maintenance Performance Standards	<u>CONSTRUCTION IS ADEQUATE</u> <u>WATER LEVEL > 2 FT HIGH</u> <u>... PIPE</u>
(5) Recommendations/Comments	<u>THIS POND CONTAINS TO</u> <u>... ...</u> <u>... ...</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.


Inspector

1/5/94
Date

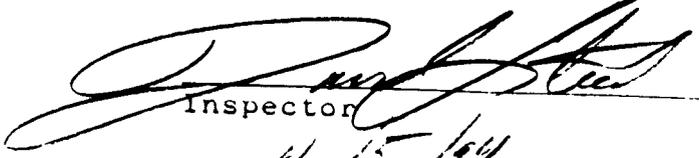
E.I.S Hydrology
Pond Inspection Report

POND: 3

LOCATION: Beaver Cr. N.W. Sp...

ITEM	REMARKS
(1) Potential Safety Hazards	NONE
(2) Slope Stability	ADEQUATE, WITH EXTENSIVE VEGETATION COVER
(3) Erosion	NONE
(4) Construction and Maintenance Performance Standards	ADEQUATE. NO WORK IN POND
(5) Recommendations/Comments	THIS POND IS ACCEPTABLE

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.


Inspector

4/15/94
Date

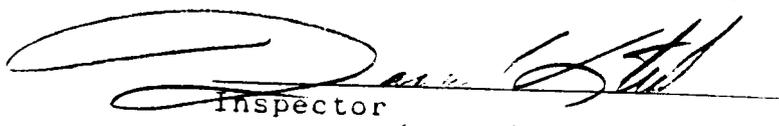
E.I.S Hydrology
Pond Inspection Report

POND: 4

LOCATION: Beaver Lake / US 50

ITEM	REMARKS
(1) Potential Safety Hazards	<u>NONE</u>
(2) Slope Stability	<u>ADJACENT - EXTENSIVE VEGETATION COVER</u>
(3) Erosion	<u>NONE</u>
(4) Construction and Maintenance Performance Standards	<u>ADJACENT, WATER LEVEL IS > 5 ft. FROM OVERTOP DITCH.</u>
(5) Recommendations/Comments	<u>THIS POND IS ADEQUATE AND COMPLIES TO STANDARDS.</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.


Inspector

4/5/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: 5

LOCATION: Berrien Co. NW Sp...

ITEM	REMARKS
(1) Potential Safety Hazards	NONE
(2) Slope Stability	ADEQUATE - EXTENSIVE VEGETATION COVER ON SLOPES / BANKS
(3) Erosion	NONE
(4) Construction and Maintenance Performance Standards	ADEQUATE WATER LEVEL > 4 FT FROM OVERTOP
(5) Recommendations/Comments	THIS POND CONTAINS TO STILLWATER

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
4/5/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: 6

LOCATION: Bentley M. AS

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None</u>
(2) Slope Stability	<u>Fair</u> <u>Some erosion</u> <u>at top of slope</u>
(3) Erosion	<u>Little vegetation cover</u>
(4) Construction and Maintenance Performance Standards	<u>Good</u>
(5) Recommendations/Comments	<u>None</u>

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

[Signature]
Inspector

1-3-84
Date

E.I.S Hydrology
Pond Inspection Report

POND: 1

LOCATION: W. Spence

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

3/28/74
Date

E.I.S Hydrology
Pond Inspection Report

POND: 2

LOCATION: W. Green

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

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

[Signature]
Inspector

3/28/74
Date

E.I.S Hydrology
Pond Inspection Report

POND: 3

LOCATION: W. Lane

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

None

(3) Erosion

None

(4) Construction and Maintenance
Performance Standards

Good

(5) Recommendations/Comments

None

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

3/28/21
Date

E.I.S Hydrology
Pond Inspection Report

POND: A (Plant Overflow) ST

LOCATION: W. Lane

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

3/22/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: 5

LOCATION: W. Lane

ITEM

REMARKS

(1) Potential Safety Hazards

None

(2) Slope Stability

Stable

(3) Erosion

None

(4) Construction and Maintenance
Performance Standards

Good

(5) Recommendations/Comments

1/2 acre to 1/4
no discharge

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

[Signature]
Inspector

3/20/94
Date

E.I.S Hydrology
Pond Inspection Report

POND: 6

LOCATION: W. Lane

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>Be filled backed up No change</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

3/22/94
Date

VEGETATION MONITORING

**VEGETATION MONITORING
OF THE
C.V. SPUR NO. 1 TEST PLOT**

1993



Prepared by

MT. NEBO SCIENTIFIC, INC.

330 East 400 South, Suite 6

Post Office Box 337

Springville, Utah 84663

(801) 489-6937

for

BLACKHAWK ENGINEERING

Route 1, Box 146-H5

Helper, Utah 84526

Patrick Collins, Ph.D.

Report Date: March 1994

**VEGETATION MONITORING
OF THE
C.V. SPUR NO.1 TEST PLOTS: 1993**

SCOPE

The following is a report to describe the sixth year results of ecological monitoring of the reclamation test plot at the C.V. Spur No. 1 site. This plot was established by Beaver Creek Coal Company (later Mountain Coal Company), Price, Utah. Monitoring methodologies were performed in accordance with the guidelines supplied by the State of Utah, Division of Oil, Gas and Mining (DOG M).

INTRODUCTION

General Site Description

The C.V. Spur area is located approximately 4 miles southeast of Price in Carbon County,

Utah. As described in previous reports, the area is comprised of nearly 120 acres of disturbed land associated with coal cleaning activities. The disturbed areas lie within a salt desert community on soils derived from Mancos Shale.

Revegetation test plots designed to investigate different treatments were established in the fall of 1987 by Beaver Creek Coal Company. The total plot size is approximately 120 ft by 140 ft. This area was divided into sixteen 25 ft by 25 ft "subplots" to test different reclamation treatments. The treatments consisted of comparing controls, topsoil depths, coarse refuse mixtures and mulches. More specifically, the treatments investigated with their respective subplot numbers are listed below.

<u>Subplot Number</u>	<u>Treatment</u>
1, 9	6 in. soil, seed, (control)
2, 6	6 in. soil, seed, wood fiber mulch
3, 7	4 in. soil, 2 in. coal refuse, seed, wood fiber mulch
4, 8	3 in. soil, 3 in. coal refuse, seed, wood fiber mulch
5	6 in. soil, wood fiber mulch, (strip planting)
10, 14	6 in. soil, seed, hay mulch
11, 15	4 in. soil, 2 in. coal refuse, seed, hay mulch
12, 16	3 in. soil, 3 in. coal refuse, seed, hay mulch
13	6 in. soil, hay mulch, (strip planting)

Sampling in 1993

This was the sixth year of monitoring for the C.V. Spur No. 1 Test Plot. The sampling schedule indicated qualitative sampling only was to be conducted on the sixth year. Sampling methodologies and results are described below.

METHODS

Sampling was conducted prior to the first frost of the area. The date of sampling was September 22, 1993. Qualitative sampling was conducted on the site including: observer names, slope, exposure, animal use and disturbance, erosion problems, approximate living ground cover, and plant species observed. Additionally, pertinent notes about the plot were also taken at the time of sampling.

RESULTS

Results of the sampling are shown on the "Qualitative Sampling Data Sheet", included in this report. Color photographs of the test plot were included in this report.



QUALITATIVE SAMPLING DATA SHEET

SITE NAME: C.V. Spur #1

MINE SITE: Loadout area

COMPANY: Blackhawk Engineering/Mountain Coal Company

DATE: September 22, 1993

WORKERS: P. Collins, D. Collins

SLOPE: 1 deg.

EXPOSURE: North

ANIMAL USE/DISTURBANCE: Slight

EROSION: none

COVER: Approx. 35%, depending on cell (mostly weedy exotics)

DOMINANT PLANT SPECIES OBSERVED:

Atriplex canescens
Atriplex confertifolia
Ceratoides lanata

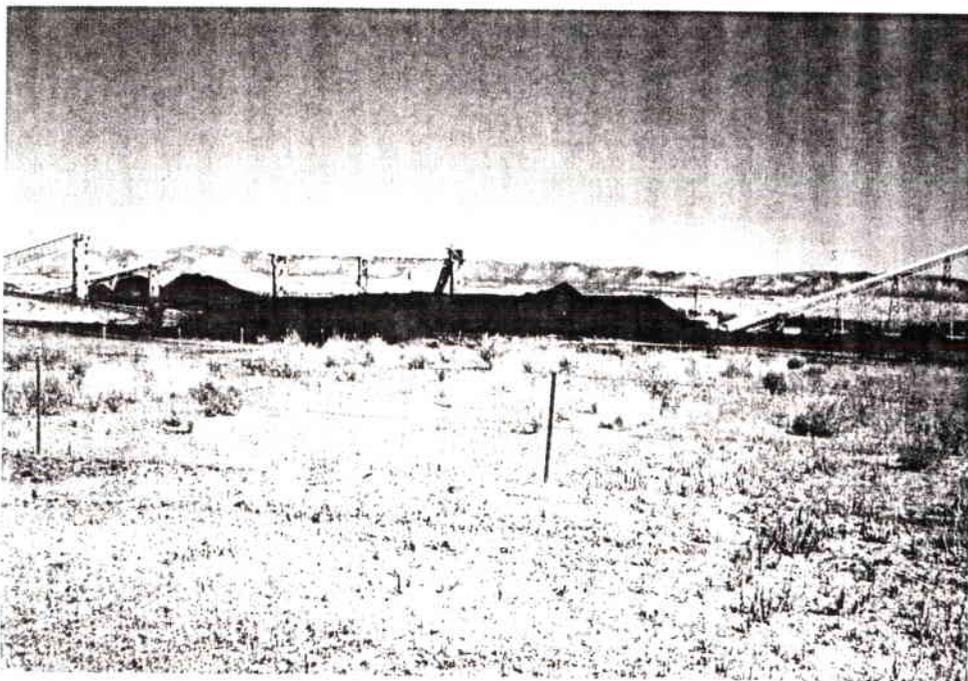
Bassia hyssopifolia
Halogeton glomeratus*
Salsola iberica*
Sphaeralcea grossulariifolia

Agropyron dasystachyum
Agropyron cristatum*
Hilaria jamesii
Orzopsis hymenoides

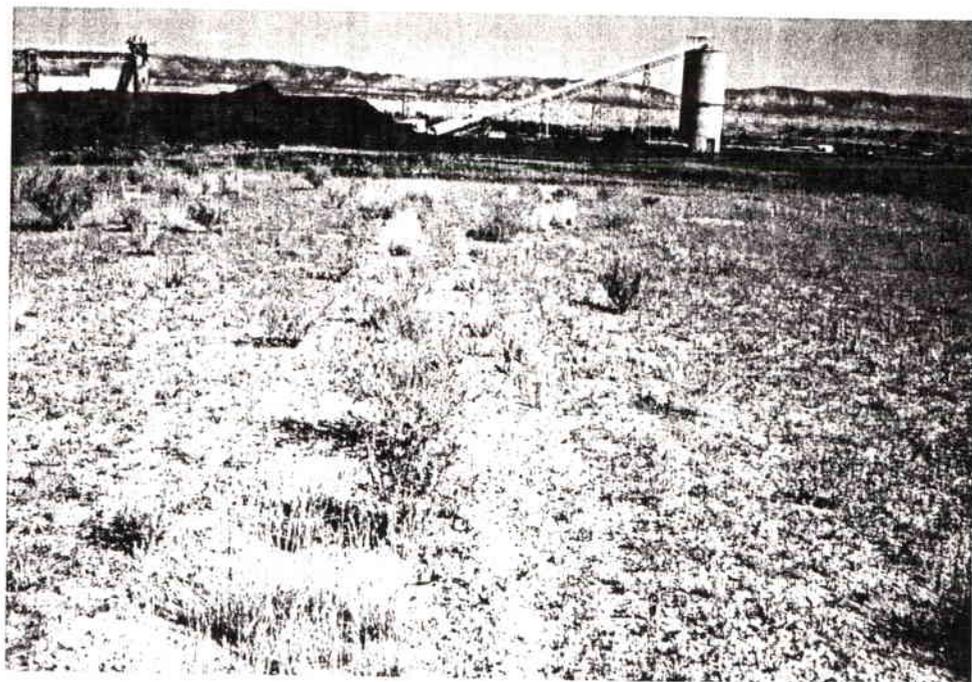
* Dominant species

- NOTES:
- 1) Plot #'s 3,4,7,8,11,12 looked best by cover of desirable species.
 - 2) The west side of the (whole) plot had a good representation of desirable species, but it still had > 50% weeds by cover.
 - 3) The east side was > 85% weedy species by cover.
 - 4) The single-species rows had > 90% weeds by cover.
 - 4) It looks like the grasses are producing a good supply of seed.

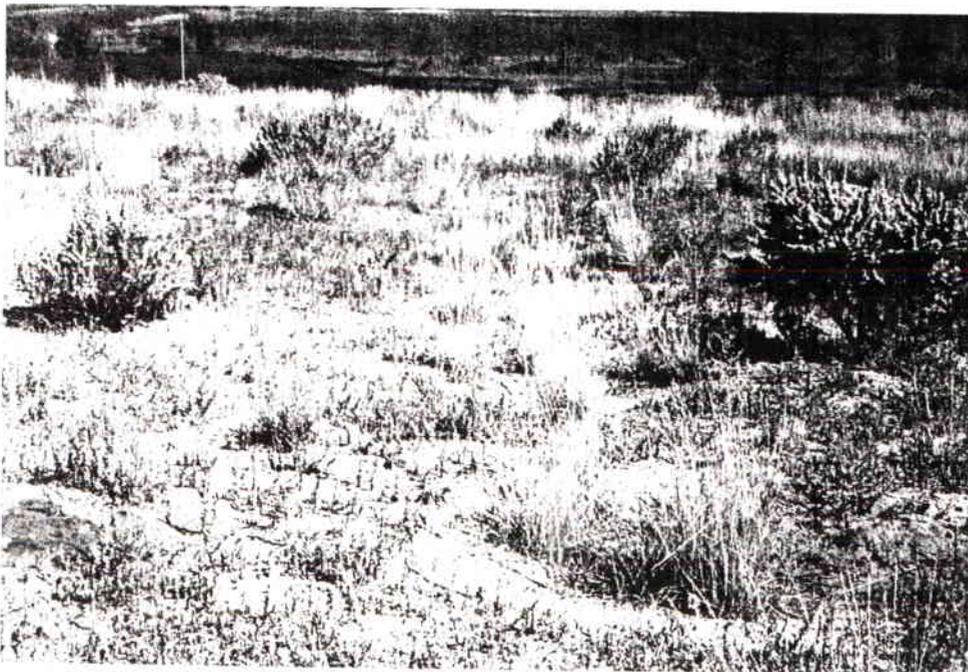
C. V. SPUR NO. 1 - VEGETATION TEST PLOTS



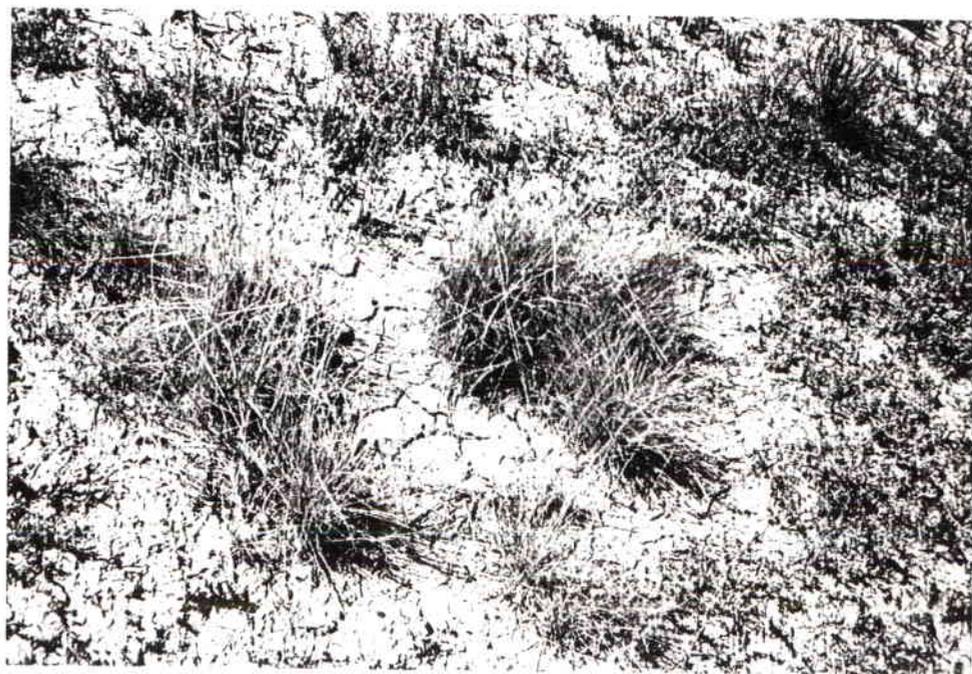
C. V. Spur No. 1 (1)



C. V. Spur No. 1 (2)



C. V. Spur No. 1 (3)



C. V. Spur No. 1 (4)

**VEGETATION MONITORING
OF THE
C.V. SPUR NO. 2 TEST PLOT**

1993



Prepared by

MT. NEBO SCIENTIFIC, INC.

330 East 400 South, Suite 6

Post Office Box 337

Springville, Utah 84663

(801) 489-6937

for

BLACKHAWK ENGINEERING

Route 1, Box 146-H5

Helper, Utah 84526

Patrick Collins, Ph.D.

Report Date: March 1994

**VEGETATION MONITORING
OF THE
C.V. SPUR NO. 2 TEST PLOT: 1993**

INTRODUCTION

In the fall of 1989, Beaver Creek Coal Company implemented a reclamation test plot on a disturbed area in the NE corner of the C.V. Spur Coal Processing and Loadout Facility property. *MT. NEBO SCIENTIFIC* was contracted to monitor this plot. Qualitative data were recorded in 1990, qualitative *and* quantitative data were compiled in the years' 1991 and 1992. This document reports the qualitative data from the 1993 sample year.

The test plot was divided into two larger sections for seeding mixtures, plus a middle section for single species. The plot was also fenced.

Section 1 (west)

This is a 50 ft. by 100 ft area. Design included techniques proposed for final reclamation methodologies as outlined in Chapter 3, Section 3.5 of the MRP. A species list is included in this report.

Section 2 (east)

This area is another 50 ft. by 100 ft. section utilizing the same methods as Section 1 with the addition of 1 ton of 3rd crop alfalfa hay tilled into the top 6 inches of the soil. A species list is included in this report.

Section 3 (middle)

This section was apparently seeded with single species with two controls that were not seeded.

METHODS

Qualitative data were taken on the subplots of the C.V. Spur No. 2 Test Plot. Sampling was accomplished on September 22, 1993. Sampling methods for the qualitative data were identical to previous years' to make comparisons more appropriate.

Because this was the first year of monitoring, only qualitative information was recorded. A qualitative data sheet for this site is included in this report and provides the following information: site name, general area, sample date, observers, slope, exposure, animal disturbance,

was included in this report. Below is the list of plant species planted on the C.V. Spur No. 2 Test erosion damage, cover, and other pertinent notes. Color photographs were taken of the plot and

Plot.

Section 1 & 2 (East & West) Plots

Rate #PLS/A

SHRUBS

<u>Atriplex confertifolia</u>	2.0
<u>Eurotia lanata</u>	1.0

FORBS

<u>Sphaeralcea grossulariaefolia</u>	.25
<u>Helianthus annuus</u>	3.0
<u>Penstemon palmeri</u>	.5
<u>Melilotus officinalis</u>	1.0
<u>Kochia prostrata</u>	1.0

GRASSES

<u>Agropyron dasystachyum</u>	2.0
<u>Agropron cristatum ephraim</u>	2.0
<u>Orysopsis hymenoides</u>	4.0
<u>Agropyron cristatum fairway</u>	2.0
<u>Elymus junceus</u>	1.0
<u>Sitanion hystrix</u>	.5

Section 3 (middle section)

Single spp. planted in 10 ft. strips: clover, winterfat, globemallow, shadscale, sunflower, kochia, Russian wildrye, crested wheatgrass, squirreltail, thickspike, Palmer penstemon, Indian ricegrass.



QUALITATIVE SAMPLING DATA SHEET

1993

SITE NAME: C.V. SPUR NO. 2 TEST PLOT

AREA: Castle Valley Spur Coal Processing and Loadout Facility

DATE: September 22, 1993

WORKERS: P. Collins, D. Collins

SLOPE: 1-2 deg.

EXPOSURE: level

SIZE: .25 Acre

ANIMAL USE/DISTURBANCE: none observed

EROSION: Negligible

COVER: 40% (east side); 30% (west side)

DOMINANT PLANT SPECIES OBSERVED:

Kochia scoparia^{c,w}

Iva axillaris

Halogeton glomeratus

Sisymbrium altissimum

Agropyron dasystachyum

Agropyron cristatum^c

Elymus cinereus

^c dominate species on the east side

^w dominate species on the west side

NOTES:

Section 1 (west side)

The west side plot had a few desirable species, but was mostly comprised of weedy exotics.

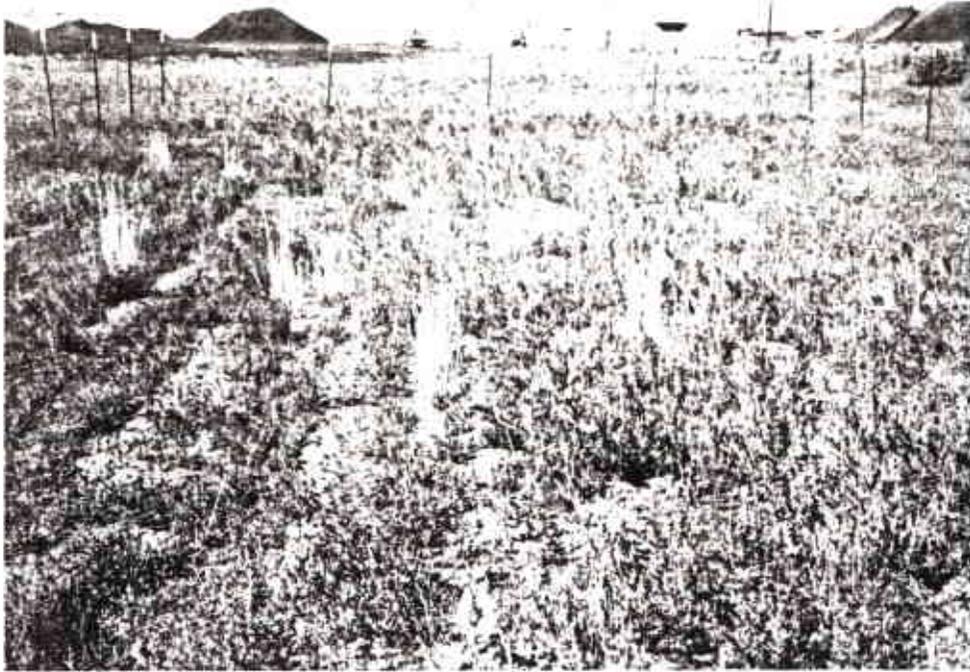
Section 2 (east side)

The east side had many more desirable species than the west. There was actually a fair stand of grasses established, but no desirable forb or shrubs species. Results indicate much better growth of desirable species this year when compared to last.

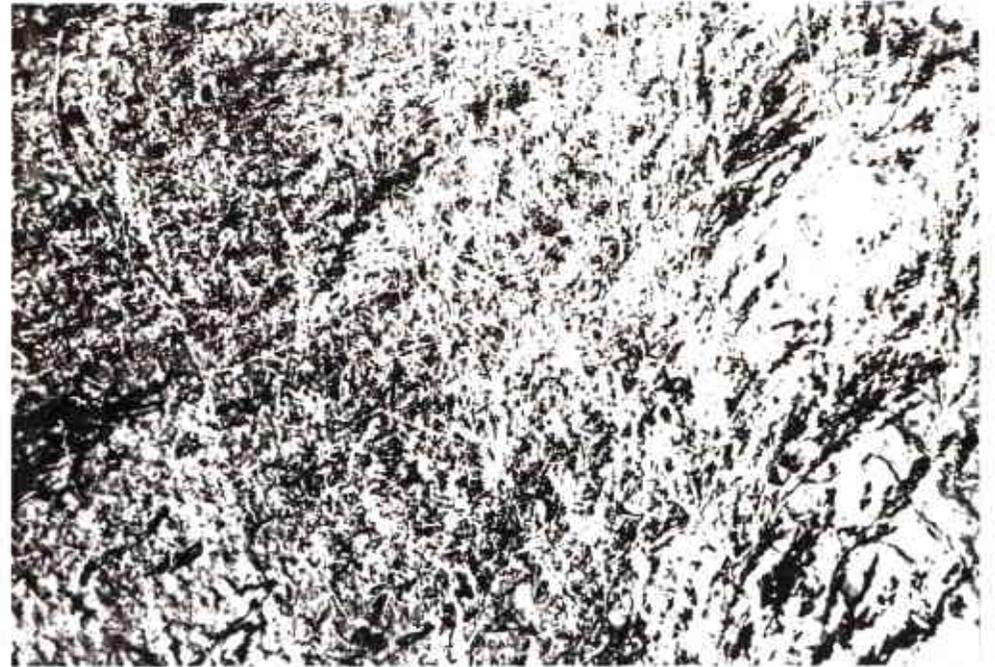
Section 3 (middle)

The single-species rows had no desirable species growing, only weedy exotics.

C. V. SPUR NO. 2 - VEGETATION TEST PLOTS



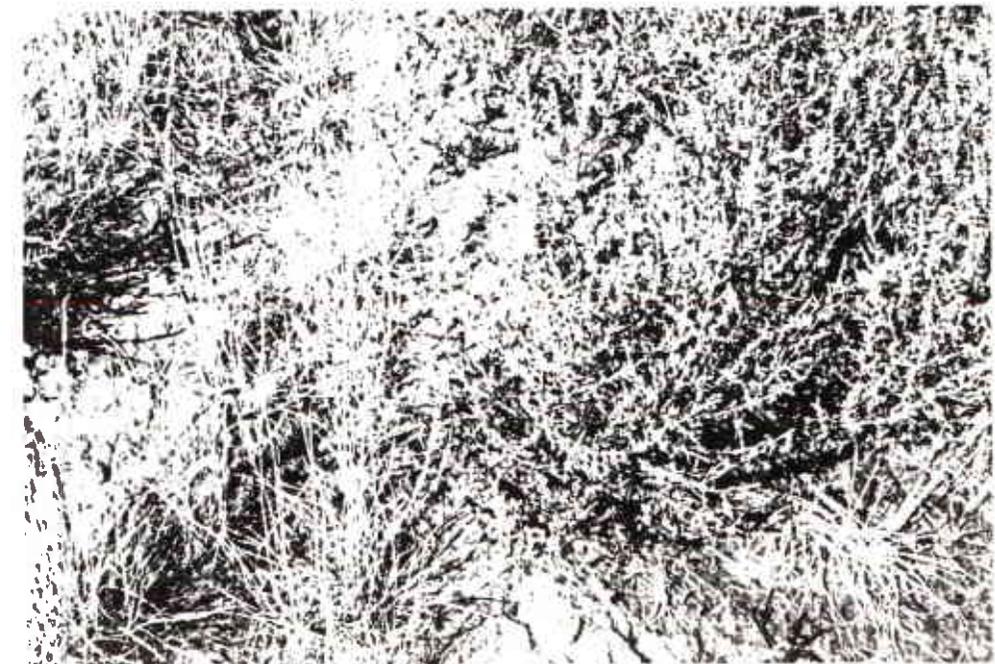
C. V. Spur No. 2 - West Side (1)



C. V. Spur No. 2 - West Side (2)



C. V. Spur No. 2 - East Side (1)



C. V. Spur No. 2 - East Side (2)

***ANNUAL
IMPOUNDMENT
CERTIFICATIONS***

MOUNTAIN COAL COMPANY

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND 1

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
(2) Structural Weakness/Erosion	<u>Incised Pond.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>None Noted.</u>
(5) Existing Storage Capacity	<u>45"</u>
(6) Monitoring Procedures	<u>0.40 Ac. Ft.</u>
	<u>Quarterly Inspection.</u>

SEDIMENT PONDS ONLY

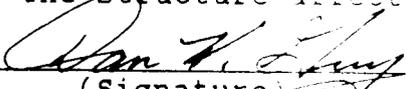
(7) Sediment Accumulation (Elev.)	<u>5486.9</u>
(8) Sediment Cleanout Level (Elev.)	<u>5487.2</u>
(9) Principle Spillway (Elev.)	<u>5491.8</u>
(10) Emergency Spillway (Elev.)	<u>5491.8</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.12 Ac. Ft.</u>

GENERAL

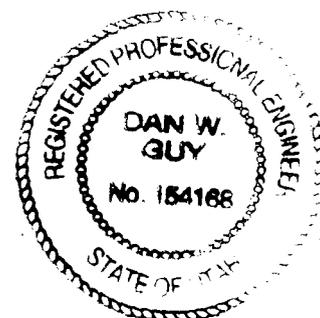
(12) Comments/Recommendations	<u>Pond O.K.</u>
	<u>No Discharge.</u>

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)

12-19-94
(Date)



MOUNTAIN COAL COMPANY

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND 2

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
	<u>Incised Pond.</u>
(2) Structural Weakness/Erosion	<u>None Noted.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>N/A - Dry</u>
(5) Existing Storage Capacity	<u>0.96 Ac. Ft.</u>
(6) Monitoring Procedures	<u>Quarterly Inspection.</u>

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	<u>5484.3</u>
(8) Sediment Cleanout Level (Elev.)	<u>5485.5</u>
(9) Principle Spillway (Elev.)	<u>5492.3</u>
(10) Emergency Spillway (Elev.)	<u>5492.3</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.24 Ac. Ft.</u>

GENERAL

(12) Comments/Recommendations	<u>Pond Dry.</u>
	<u>Re-Paint Marker.</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.

Dan W. Guy
(Signature)

12-19-94
(Date)



MOUNTAIN COAL COMPANY

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND 3

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
(2) Structural Weakness/Erosion	<u>Incised Pond.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>None Noted.</u>
(5) Existing Storage Capacity	<u>Dry</u>
(6) Monitoring Procedures	<u>0.92 Ac. Ft.</u>
	<u>Quarterly Inspection.</u>

SEDIMENT PONDS ONLY

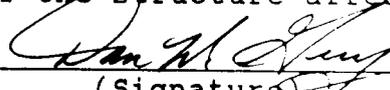
(7) Sediment Accumulation (Elev.)	<u>5484.0</u>
(8) Sediment Cleanout Level (Elev.)	<u>5484.8</u>
(9) Principle Spillway (Elev.)	<u>5491.4</u>
(10) Emergency Spillway (Elev.)	<u>5491.4</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.16 Ac. Ft.</u>

GENERAL

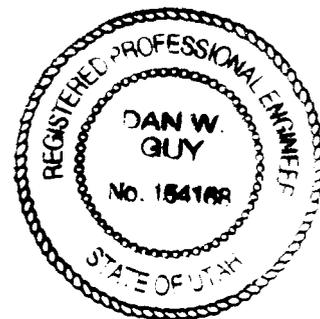
(12) Comments/Recommendations	<u>Pond Dry.</u>
	<u>No Discharge.</u>
	<u>Re-Paint Marker.</u>

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)

12-19-94
(Date)



MOUNTAIN COAL COMPANY
1994 ANNUAL POND INSPECTION REPORT

POND: PLANT OVERFLOW (#4)

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
	<u>Incised Pond.</u>
(2) Structural Weakness/Erosion	<u>None Noted.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>48"</u>
(5) Existing Storage Capacity	<u>0.32 Ac. Ft.</u>
	<u>(Not a Sed. Pond).</u>
(6) Monitoring Procedures	<u>Quarterly Inspection.</u>

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	<u>N/A</u>
(8) Sediment Cleanout Level (Elev.)	<u>N/A</u>
(9) Principle Spillway (Elev.)	<u>N/A</u>
(10) Emergency Spillway (Elev.)	<u>N/A</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>N/A</u>

GENERAL

(12) Comments/Recommendations	<u>Pond Cleaned 1993.</u>
	<u>Overflow to Sed. Pond</u>
	<u>6 - then recirculated</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.

Dan W. Guy
(Signature)

12-19-94
(Date)



MOUNTAIN COAL COMPANY

1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND 5

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
(2) Structural Weakness/Erosion	<u>Incised Pond.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>None Noted.</u>
(5) Existing Storage Capacity	<u>4"</u>
(6) Monitoring Procedures	<u>3.95 Ac. Ft.</u>
	<u>Quarterly Inspection.</u>

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	<u>5474.5</u>
(8) Sediment Cleanout Level (Elev.)	<u>5475.2</u>
(9) Principle Spillway (Elev.)	<u>5482.0</u>
(10) Emergency Spillway (Elev.)	<u>5482.0</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.34 Ac. Ft.</u>

GENERAL

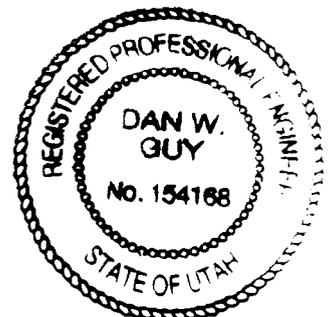
(12) Comments/Recommendations	<u>Marker Installed 1993</u>
	<u>Pump Installed for</u>
	<u>Dewatering. No Disch.</u>

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)

12-19-94
(Date)



MOUNTAIN COAL COMPANY
1994 ANNUAL POND INSPECTION REPORT

POND: SED. POND 6

LOCATION: C.V. SPUR

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</u>
(2) Structural Weakness/Erosion	<u>Incised Pond.</u>
(3) Potential Safety Hazards	<u>None Noted.</u>
(4) Depth of Impounded Water	<u>12"</u>
(5) Existing Storage Capacity	<u>1.60 Ac. Ft.</u>
(6) Monitoring Procedures	<u>Quarterly Inspection.</u>
	<u>U.P.D.E.S. Discharge.</u>

SEDIMENT PONDS ONLY

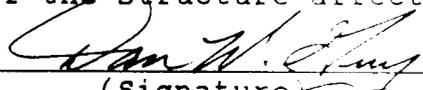
(7) Sediment Accumulation (Elev.)	<u>5474.6</u>
(8) Sediment Cleanout Level (Elev.)	<u>5474.7</u>
(9) Principle Spillway (Elev.)	<u>5480.3</u>
(10) Emergency Spillway (Elev.)	<u>5480.3</u>
(11) Existing Sediment Capacity (To Cleanout)	<u>0.03 Ac. Ft.</u>

GENERAL

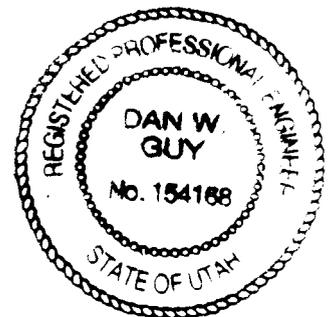
(12) Comments/Recommendations	<u>Open Channel Spillway</u>
	<u>added and Dikes Re-</u>
	<u>built-1992. Scheduled</u>
	<u>to be Cleaned.</u>

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)

12-19-94
(Date)



***REFUSE
PILE
INSPECTIONS***

REFUSE PILE INSPECTION REPORT

MSHA SITE #1211-UT-9-0034

C.V. SPUR

QUARTER 4/94

ITEM	REMARKS
(1) Potential Safety Hazards	<u>NONE NOTED.</u>
(2) Slope Stability	<u>STABLE - BERM O.K.</u>
(3) Removal of Topsoil and Organics	<u>N/A - NO NEW REMOVAL NECESSARY. TEST PLOT O.K.</u>
(4) Construction and Maintenance Performance Standards	<u>O.K. - WELL GRADED AND DRAINED. CULVERT OPEN. NO CHANGE SINCE LAST INSP.</u>
(5) Recommendations	<u>NONE.</u>

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time. The pile has been constructed and maintained as designed and in accordance with the approved plan and R-645 Rules.



Dan W. Guy
Registered Professional Engineer

11/17/94
Date

Note: This pile contains no underdrains or protective filter systems.

REFUSE PILE INSPECTION REPORT

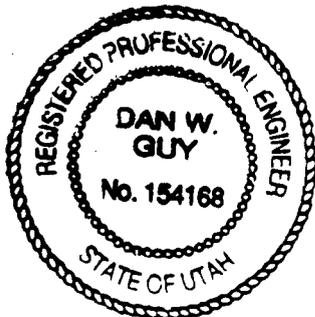
MSHA SITE #1211-UT-9-0034

C.V. SPUR

QUARTER 3/94

ITEM	REMARKS
(1) Potential Safety Hazards	NONE NOTED
(2) Slope Stability	STABLE - BERM O.K.
(3) Removal of Topsoil and Organics	N/A - NO NEW REMOVAL NECESSARY. TEST PLOT O.K.
(4) Construction and Maintenance Performance Standards	O.K. - WELL GRADED AND DRAINED. CULVERT OPEN.
(5) Recommendations	NONE.

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time. The pile has been constructed and maintained as designed and in accordance with the approved plan and R-645 Rules.



Dan W. Guy
Registered Professional Engineer

9/23/94
Date

Note: This pile contains no underdrains or protective filter systems.

REFUSE PILE INSPECTION REPORT

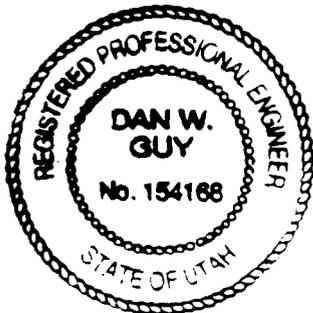
MSHA SITE #1211-UT-9-0034

C.V. SPUR

QUARTER 2/94

ITEM	REMARKS
(1) Potential Safety Hazards	NONE NOTED.
(2) Slope Stability	STABLE - BERM O.K.
(3) Removal of Topsoil and Organics	N/A - NO NEW REMOVAL NECESSARY. TEST PLOT O.K. - DRY.
(4) Construction and Maintenance Performance Standards	O.K. - TOP GRADED. NO NEW ACTIVITY. LOCKED CABLE ON ACCESS.
(5) Recommendations	NONE

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time. The pile has been constructed and maintained as designed and in accordance with the approved plan and R-645 Rules.



Dan W. Guy
Registered Professional Engineer

6/29/94
Date

Note: This pile contains no underdrains or protective filter systems.

REFUSE PILE INSPECTION REPORT

MSHA SITE #1211-UT-9-0034

C.V. SPUR

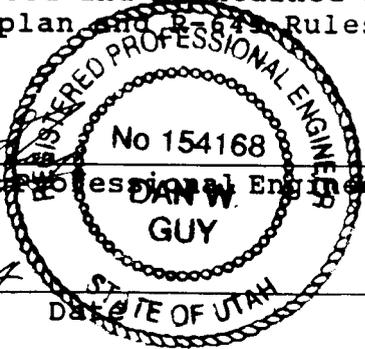
QUARTER

1/94

<u>ITEM</u>	<u>REMARKS</u>
(1) Potential Safety Hazards	<u>None noted.</u>
(2) Slope Stability	<u>Stable - Berm O.K.</u>
(3) Removal of Topsoil and Organics	<u>N/A - No new removal necessary. Test Plot - O.K.</u>
(4) Construction and Maintenance Performance Standards	<u>O.K. - Top graded out.</u>
(5) Recommendations	<u>None</u>

I have performed the above inspection on this refuse pile and do hereby certify it to be a true and accurate representation of the pile at this time. The pile has been constructed and maintained as designed and in accordance with the approved plan and 884's Rules.

Dan W. Guy
Registered Professional Engineer
No 154168
DAN W. GUY
3/29/94
DATE OF UTAM



Note: This pile contains no underdrains or protective filter systems.

COAL/REFUSE

ANALYSIS



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 1020, HUNTINGTON, UT 84520
TEL: (801) 653-2311
FAX: (801) 653-2431

MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

9 Mine
73.0 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157626

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	9.13 units
Sulfur %	0.39
Neutralization Potential	5.64 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO

Manager, Huntington Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 1020, HUNTINGTON, UT 84520
TEL: (801) 653-2311
FAX: (801) 653-2431

MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

Genwal

Sample taken by Mountain Coal

78.5 lbs.

Top Size 2"

Date sampled March 9, 1993

1 Bag

Date received March 10, 1993

Analysis report no. 59-157627

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	8.55 units
Sulfur %	0.28
Neutralization Potential	18.37 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 1020, HUNTINGTON, UT 84520
TEL: (801) 653-2311
FAX: (801) 653-2430

► MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

Co-op

Sample taken by Mountain Coal

76.5 lbs.

Date sampled March 9, 1993

Top Size 2"

Date received March 10, 1993

1 Bag

Analysis report no. 59-157628

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	8.34 units
Sulfur %	0.22
Neutralization Potential	19.65 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 1020, HUNTINGTON, UT 84520
TEL: (801) 653-2311
FAX: (801) 653-2436

▶ MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

8 Mine
66.75 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157629

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	7.78 units
Sulfur %	0.35
Neutralization Potential	6.42 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9308

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P. O. BOX 1020, HUNTINGTON, UT 8452
TEL: (801) 653-2311
FAX: (801) 653-2431

► MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

Sunnyside
78.5 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157631

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	8.89 units
Sulfur %	0.29
Neutralization Potential	5.48 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

SINCE 1908

Member of the SGS Group (Societe Generale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P O BOX 1020, HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

▶ MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample Coal
reported to us

Sample taken at CV SPUR

7 Mine
64.5 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157632

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	7.92 units
Sulfur %	0.49
Neutralization Potential	21.92 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





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PLEASE ADDRESS ALL CORRESPONDENCE TO
P.O. BOX 1020, HUNTINGTON, UT 84520
TEL: (801) 653-2311
FAX: (801) 653-2431

March 25, 1993

▶ MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

Sufco
74.75 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157633

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS.

pH	8.45 units
Sulfur %	0.22
Neutralization Potential	18.99 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory





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SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

March 25, 1993

PLEASE ADDRESS ALL CORRESPONDENCE TO
P. O. BOX 1020, HUNTINGTON, UT 84521
TEL: (801) 653-2311
FAX: (801) 653-2431

► MOUNTAIN COAL CO.
P.O. Box 1378
Price Utah 84501

Sample identification by
Mountain Coal Co.

Kind of sample reported to us Coal

Sample taken at CV SPUR

Refuge
71.0 lbs.
Top Size 2"
1 Bag

Sample taken by Mountain Coal

Date sampled March 9, 1993

Date received March 10, 1993

Analysis report no. 59-157630

SOIL ANALYSIS

RESULTS ARE REPORTED AS INDICATED, ON AN AS RECEIVED BASIS

pH	6.38 units
Conductivity	3430 mmhos/cm
Water Extractable Selenium	1.5 ug/g
Water Extractable Boron	4.6 ug/g
Sodium Adsorption Ratio	0.139
Neutralization Potential	4.32 tons CaCO ₃ / 1000 tons
Acid-Base Potential	-13.24 tons CaCO ₃ / 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory.

