MOUNTAIN COAL COMPANY 1992 ANNUAL REPORT GORDON CREEK NO. 2/7/8 MINES
ACT/007/016

MOUNTAIN COAL COMPANY

1992 ANNUAL REPORT

GORDON CREEK NO. 2/7/8 MINES

ACT/007/016 #6

Annual Reports Review

Mine Name Gordon Creek #2, #7, & #8

Date Submitted 3/31/93

Sections to be reviewed:

Please note after you have reviewed. TAX.

Cover Sheet and Mine Sequence Map - Jesse
Date Reviewed _____

Summarized Water Monitoring Data - Ken
Date Reviewed _____

Precipitation and Climatological Data - Ken
Date Reviewed _____

Subsidence Monitoring Report - Jesse
Date Reviewed _____

Vegetation Data and Revegetation Success Monitoring - Susan
Date Reviewed _____

Annual Impoundment Certification - Jesse
Date Reviewed _____

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

RECEIVED
MAR 31 1993
DIVISION OF OIL
GAS & MINING PRICE UTAH

MOUNTAIN COAL COMPANY

1992 ANNUAL REPORT

GORDON CREEK NO. 2/7/8 MINES

BLACKHAWK ENGINEERING, CO.

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

March 26, 1993

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

Re: Mountain Coal Company
1992 Annual Report
Gordon Creek No. 2/7/8 Mines
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Enclosed is the Annual Report for Coal Mining and Reclamation Operations for 1992 for the Gordon Creek No. 2/7/8 Mines.

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

Respectfully,

Dan W. Guy

Dan W. Guy P.E.
President

cc: Kathleen Welt- MCC
File - Annual Report

COAL MINING AND RECLAMATION OPERATIONS FOR 1992

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

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

Permittee: Mountain Coal Company

Mine Name: ~~Gordon Creek No. 2/7/8 Mines~~

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

Company Representative: Kathleen G. Welt

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

Permit Number: ACT/007/016 (Inactive)

MSHA ID Number: N/A

Date of Initial Permanent Program Permit: 5/11/78

Date of Permit Renewal: 9/12/91 (Expires 8/28/94)

Quantity of Coal Mined (tonnage) 1992: N/A (Mine Colosed 11/90)

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

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

A. Summarized Water Monitoring Data: Enclosed

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

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

C. Subsidence Monitoring Report:

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

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

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

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

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

Suggested form enclosed

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

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

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

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

Gordon Creek #2, #7 & #8 Mines

Amendments Approved
None

Outstanding Issues

Division Order 91B --Due 2/1/93 (Submitted 2/1/93)

PERMIT

BLACKHAWK ENGINEERING, CO.

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

January 30, 1993

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

Re: Revised Reclamation Permit
Gordon Creek No. 2/7/8 Mines
ACT/007/016
Carbon County, Utah

Dear Ms. Littig:

Enclosed are 6 copies of the revised reclamation permit for the Gordon Creek No. 2/7/8 Mines. These are complete new permit applications, and should replace the existing permit upon approval.

Per our discussion, the permit format has not been changed; however, a complete cross-reference to the R645 Regulations is included in the front of the application. Division comments have also been addressed in this submittal. A cross-reference is also included for the comments, showing the location of the response in the plan.

I appreciate the Division's willingness to work with Mountain Coal Company on this plan. We look forward to completing the reclamation of the property in 1993, as scheduled.

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

Respectfully,

Dan W. Guy
President

cc: Bill Malencik - w/plan
Kathy Welt - w/plan
Scott Anderson
File

FEDERAL

PERMIT
ACT/007/016

September 12, 1991

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

This permit, ACT/007/016, is issued for the State of Utah by the Utah Division of Oil, Gas and Mining (Division) to:

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

for the Gordon Creek #2, #7, & #8 Mines. Mountain Coal Company is the lessee of federal coal (U-8319 and U-53159) and private fee coal within the permit area. A Surety Bond is filed with the Division in the amount of $641,443, 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 Gordon Creek #2, #7, & #8 Mines, situated in the State of Utah, Carbon County, and located:

<u>Township 13 South, Range 7 East, SLBM</u>

Section 12: E1/2, E1/2 W1/2
Section 13: NE1/4 NE1/4, N1/2 NW1/4 NE1/4, N1/2 S1/2 NW1/4 NE1/4, S1/2 S1/2 NW1/4 NE1/4, S1/2 NE1/4, E1/2 W1/2, SE1/4
Section 24: N1/2 NE1/4, NE1/4 NW1/4

<u>Township 13 South, Range 8 East, SLBM</u>

Section 7: W1/2 SW1/4, SE1/4 SW1/4
Section 17: SW1/4 SW1/4

Section 18: Lots 1-4, NW1/4 NE1/4, S1/2 NE1/4, E1/2 NW1/4 NE1/4 SW1/4, SE1/4, SE1/4 SW1/4, S1/2 NW1/4, S1/2 NE1/4, NW1/4 NE1/4

Section 19: NE1/4, NE1/4 NW1/4, N1/2 SW1/4, NW1/4 SE1/4; Lots 1 and 2, SE1/4 NW1/4

This legal description is for the permit area of the Gordon Creek #2, #7, & #8 Mines. The permittee is authorized to conduct underground coal mining activities and related surface activities on the foregoing described property subject to the conditions of all applicable conditions, laws and regulations.

Sec. 3 **COMPLIANCE** - The permittee will comply with the terms and conditions of the permit, all applicable performance standards and requirements of the State Program.

Sec. 4 **PERMIT TERM** - This permit becomes effective on September 12, 1991, and expires on August 28, 1994.

Sec. 5 **ASSIGNMENT OF PERMIT RIGHTS** - The permit rights may not be transferred, assigned or sold without the prior written approval of the Division Director. Transfer, assignment or sale of permit rights must be done in accordance with applicable regulations, including but not limited to 30 CFR 740.13{e} and R614-303-300.

Sec. 6 **RIGHT OF ENTRY** - The permittee shall allow the authorized representative of the Division, including but not limited to inspectors, and representatives of the Office of Surface Mining Reclamation and Enforcement (OSM), without advance notice or a search warrant, upon presentation of appropriate credentials, and without delay to:

(a) have the rights of entry provided for in 30 CFR 840.12, R614-400-220, 30 CFR 842.13 and R614-400-110;

(b) be accompanied by private persons for the purpose of conducting an inspection in accordance with R614-400-100 and R614-400-200 when the inspection is in response to an alleged violation reported to the Division by the private person.

Sec. 7 **SCOPE OF OPERATIONS** - The permittee shall conduct underground coal mining activities only on those lands specifically designated as within the permit area on the maps submitted in the approved plan and approved for the term of the permit and which are subject to the performance bond.

Sec. 8 **ENVIRONMENTAL IMPACTS** - The permittee shall take all possible steps to minimize any adverse impact to the environment or public health and safety resulting from noncompliance with any term or condition of the permit, including, but not limited to:

(a) Any accelerated or additional monitoring necessary to determine the nature and extent of noncompliance and the results of the noncompliance;

(b) immediate implementation of measures necessary to comply; and

(c) warning, as soon as possible after learning of such noncompliance, any person whose health and safety is in imminent danger due to the noncompliance.

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

(a) in accordance with the terms of the permit to prevent significant, imminent environmental harm to the health and safety of the public; and

(b) utilizing methods specified as conditions of the permit by the Division in approving alternative methods of compliance with the performance standards of the Act, the approved Utah State Program and the Federal Lands Program.

Sec. 10 **EXISTING STRUCTURES** - As applicable, the permittee will comply with R614-301 and R614-302 for compliance, modification, or abandonment of existing structures.

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

Sec. 12 **AUTHORIZED AGENT** - The permittee shall provide the names, addresses and telephone numbers of persons responsible for operations under the permit to whom notices and orders are to be delivered.

Sec. 13 **COMPLIANCE WITH OTHER LAWS** - The permittee shall comply with the provisions of the Water Pollution Control Act (33 USC 1151 et seq,) and the Clean Air Act (42 USC 7401 et seq), UCA 26-11-1 et seq, and UCA 26-13-1 et seq.

Sec. 14 PERMIT RENEWAL - Upon expiration, this permit may be renewed for areas within the boundaries of the existing permit in accordance with the Act, the approved Utah State Program and the Federal Lands Program.

Sec. 15 CULTURAL RESOURCES - If during the course of mining operations, previously unidentified cultural resources are discovered, the permittee shall ensure that the site(s) is not disturbed and shall notify the Division. The Division, after coordination with OSM, shall inform the permittee of necessary actions required. The permittee shall implement the mitigation measures required by Division within the time frame specified by Division.

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

The above conditions (Secs. 1-16) are also imposed upon the permittee's agents and employees. The failure or refusal of any of these persons to comply with these conditions shall be deemed a failure of the permittee to comply with the terms of this permit and the lease. The permittee shall require his agents, contractors and subcontractors involved in activities concerning this permit to include these conditions in the contracts between and among them. These conditions may be revised or amended, in writing, by the mutual consent of the Division and the permittee at any time to adjust to changed conditions or to correct an oversight. The Division may amend these conditions at any time without the consent of the permittee in order to make them consistent with any federal or state statutes and any regulations.

THE STATE OF UTAH

By: Dianne R. Nielson

Date: 9-12-91

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

Richard A. Rice

Authorized Representative of the Permittee

Date: 10/15/91

A:\PERMIT.GC2

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

August 28, 1989

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

Dear ~~Mr.~~ Dick Pick:

Re: State Permit and Decision Package, Five-Year Permit Renewal, Beaver Creek Coal Company, Gordon Creek #2, #7 and #8 Mines, ACT/007/022, Folder #3, Carbon County, Utah

Enclosed are two State Permits and a Decision Package for the Gordon Creek #2, #7 and #8 Mines Five-Year Permit Renewal. Please read the Stipulations in Attachment A of the State Permit, then sign both State Permits and return one to the Division.

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

Best regards,

Dianne

Dianne R. Nielson
Director

RVS/djh
Enclosure
cc: P. Rutledge, OSM-Denver
R. Hagen, OSMRE-Albq.
AT8/90

an equal opportunity employer

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

This permit, ACT/007/016, is issued for the state of Utah by the Utah Division of Oil, Gas and Mining (DOGM) to:

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

for the Gordon Creek #2, #7 and #8 Mines. Beaver Creek Coal Company is the lessee of federal coal and private fee coal within the permit area. A performance bond is filed with the DOGM in the amount of $641,443.00, payable to the state of Utah, Division of Oil, Gas and Mining and the Office of Surface Mining, Reclamation and Enforcement (OSMRE). DOGM must receive a copy of this permit signed and dated by the permittee.

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

Sec. 2 **PERMIT AREA** - The permittee is authorized to conduct underground coal mining activities on the following described lands (as shown on the map appended as Attachment B) within the permit area at the Gordon Creek #2, #7 and #8 Mines, situated in the state of Utah, Carbon County, and located:

Township 13 South, Range 7 East, SLBM, Utah

Section 12:	E1/2, E1/2 W1/2
Section 13:	NE1/4 NE1/4, N1/2 NW1/4 NE1/4, N1/2 S1/2 NW1/4 NE1/4, S1/2 S1/2 NW1/4 NE1/4, S1/2 NE1/4, E1/2 W1/2, SE1/4
Section 24:	N1/2 NE1/4, NE1/4 NW1/4

Sec. 2 **PERMIT AREA** (Cont'd.)

Township 13 South, Range 8 East, SLBM, Utah

Section 7:	W1/2 SW1/4, SE1/4 SW1/4
Section 17:	SW1/4 SW1/4
Section 18:	Lots 1-4, NW1/4 NE1/4, S1/2 NE1/4, E1/2 NW1/4 NE1/4 SW1/4, SE1/4, SE1/4 SW1/4, S1/2 NW1/4, S1/2 NE1/4, NW1/4 NE1/4
Section 19:	NE1/4, NE1/4 NW1/4, N1/2 SW1/4, NW1/4 SE1/4; Lots 1 and 2, SE1/4 NW1/4.

This legal description is for the permit area (as shown on Attachment B) of the Gordon Creek #2, #7 and #8 Mines. 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 **PERMIT TERM** - This permit becomes effective on August 28, 1989 and expires on August 28, 1994.

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

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

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

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

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

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

A. accelerated monitoring to determine the nature and extent of noncompliance and the results of the noncompliance;

B. immediate implementation of measures necessary to comply; and

C. warning, as soon as possible after learning of such noncompliance, any person whose health and safety is in imminent danger due to the noncompliance.

Sec. 8 **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. 9 **CONDUCT OF OPERATIONS** - The permittee shall conduct its operations:

A. in accordance with the terms of the permit to prevent significant, imminent environmental harm to the health and safety of the public; and

B. utilizing methods specified as conditions of the permit by DOGM in approving alternative methods of compliance with the performance standards of the Act, the approved Utah State Program and the Federal Lands Program.

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

Sec. 11 **COMPLIANCE WITH OTHER LAWS** - The permittee shall comply with the provisions of the Water Pollution Control Act (33 USC 1151 et seq.) and the Clean Air Act (42 USC 7401 et seq), UCA 26-11-1 et seq, and UCA 26-13-1 et seq.

Sec. 12 **PERMIT RENEWAL** - Upon expiration, this permit may be renewed for areas within the boundaries of the existing permit in accordance with the Act, the approved Utah State Program and the Federal Lands Program.

Sec. 13 **CULTURAL RESOURCES** - If, during the course of mining operations, previously unidentified cultural resources are discovered, the permittee shall ensure that the site(s) is not disturbed and shall notify DOGM. DOGM, after coordination with OSMRE, shall inform the permittee of necessary actions required. The permittee shall implement the mitigation measures required by DOGM within the time frame specified by DOGM.

Sec. 14 **APPEALS** - The permittee shall have the right to appeal as provided for under UMC 787.

Sec. 15 **SPECIAL CONDITIONS** - In addition to the general obligations, the permittee shall comply with the special conditions appended hereto as Attachment A.

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

THE STATE OF UTAH

By: Dianne R. Nielson

Date: August 28, 1989

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

Richard J. Pick
Authorized Representative of the Permittee

Date: 8/31/89

APPROVED AS TO FORM:

By: Barbara W. Roberts
Assistant Attorney General

Date: August 28, 1989

ATTACHMENT A

STIPULATIONS
FIVE-YEAR PERMIT RENEWAL
GORDON CREEK #2, #7 AND #8 MINES
ACT/007/016

Beaver Creek Coal Company
Carbon County, Utah
August 28, 1989

Stipulation UMC 817.23-(1, 2)-(HS)

Within 30 days of permit approval the applicant must submit the following for inclusion in the PAP:

1. As-built surveys of the soil stockpiles to include: volume of material stockpiled, maximum and minimum height, slopes and all pertinent dimensions.

2. A topsoil mass balance table which includes the following: volumes of suitable topsoil to be redistributed; volumes of stockpiled material; disturbed acreage to be reclaimed; topsoil redistribution depths; and identification and volumes of material required to redistribute over each disturbed area.

Stipulation UMC 817.43-(1)-(DW)

1. Within 60 days of permit approval, the applicant must submit for inclusion in the PAP, adequate riprap sizing and channel designs for reclamation of Bryner Canyon, including gradation and filter blanket requirements.

Stipulation UMC 817.44-(1)-(DW)

1. Within 60 days of permit approval, the applicant must submit for inclusion in the PAP, proper riprap sizing, gradation, and filter blanket requirements for the permanent diversion of North Fork Gordon Creek at the Sweet's Canyon water truck fill-up pond. Installation of the riprap will take place during reclamation channel construction at the Gordon Creek #2, #7 and #8 Mines.

Stipulation UMC 817.97-(1)-(WJM/BAS)

1. Within 30 days of permit approval, the applicant must safeguard all powerpoles at the #2 Mine from raptor electrocution. Poles must be gapped (4 inch gap) at least 12 inches below the lowest crossarm and below transformer tanks. Perchguards must be installed on crossarms which provide less than 60 inches separation of conductors. Multiple perchguards or other forms of perch deterrents must be mounted on transformer tanks. Elevated perches, having at least a two-foot vertical rise above conductors, must be erected on all powerpoles.

United States Department of the Interior
OFFICE OF SURFACE MINING
RECLAMATION AND ENFORCEMENT
BROOKS TOWERS
1020 15TH STREET
DENVER, COLORADO 80202

TAKE PRIDE IN AMERICA

In Reply Refer To:

2155M

November 17, 1988

4441
UT-0010

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

Dear Mr. Pick:

The Office of Surface Mining Reclamation and Enforcement (OSMRE) has terminated, effective immediately, Federal permit UT-0010, issued on August 27, 1984, for Beaver Creek Coal Company's Gordon Creek No. 2 mine. The Federal permit was terminated in accordance with OSMRE's Directive on the Termination of Federal Permits because the State has a cooperative agreement that delegates the permitting responsibilities on Federal lands to the State, and Utah Division of Oil, Gas and Mining (DOGM) has issued State permit ACT/007/016 for the Gordon Creek No. 2 mine in accordance with the Utah State program and cooperative agreement.

I have enclosed the memorandum terminating the Federal permit. Attached to the memorandum are the applicable standard conditions of approval of the Gordon Creek No. 2 mine mining plan approved by the Assistant Secretary on August 24, 1984, for Federal leases U-8319 and U-47975. These conditions were previously incorporated in the Federal permit. Notwithstanding the termination of the Federal permit, these conditions remain in full force and effect.

Utah DOGM is now the regulatory authority for surface coal mining and reclamation operations on Federal lands at the Gordon Creek No. 2 mine under the Utah State permit ACT/007/016, the Utah State program, and the cooperative agreement. Mining operations on Federal leases U-8319 and U-47975 must be conducted in accordance with the approved mining plan including the standard conditions, the leases, the Mineral Leasing Act of 1920, as amended, and its implementing regulations, as well as the State permit.

If you have any questions, please contact Richard Holbrook at (303) 844-5658.

Sincerely,

M Z Crawley
acting Ranvir Singh, Chief
Federal Lands Branch

Enclosures

cc: BLM, Utah State Office
BLM, Price Resource Area
BLM, Moab District Office
Director, DOGM
Robert Hagen, Albuquerque Field Office Field Office
B. McCue, U.S. Fish and Wildlife Service

United States Department of the Interior
OFFICE OF SURFACE MINING
RECLAMATION AND ENFORCEMENT
BROOKS TOWERS
1020 15TH STREET
DENVER, COLORADO 80202

TAKE PRIDE IN AMERICA

November 17, 1988

In Reply Refer To:
4441
UT-0010

2155M

MEMORANDUM

TO: Chief, Federal Programs Division

THROUGH: acting Chief, Federal Lands Branch

FROM: Richard Holbrook, Project Leader

SUBJECT: Recommendation to Terminate Federal Permit UT-0010 for the Beaver Creek Coal Company Gordon Creek No. 2 Mine, Carbon County, Utah

I. Recommendation

I recommend termination of Federal permit UT-0010, issued on August 27, 1984, for the Beaver Creek Coal Company Gordon Creek No. 2 mine. My recommendation is based on the existence of the Utah cooperative agreement which provides for the delegation to the Utah Division of Oil, Gas and Mining (DOGM) of the permitting responsibilities for operations on Federal lands pursuant to Section 523 of the Surface Mining Control and Reclamation Act (SMCRA); the issuance of the Utah State permit ACT/007/016 in accordance with the Utah State program and cooperative agreement; incorporation of all necessary Federal permit conditions in the State permit; and the approved mining plan for Federal leases, U-8319 and U-47975. Attached to this memorandum are the applicable standard conditions of approval of the Gordon Creek No. 2 mine mining plan approved by the Assistant Secretary on August 24, 1984, for Federal leases U-8319 and U-47975. These conditions were previously incorporated in the Federal permit. Notwithstanding the termination of the Federal permit, these conditions will remain in full force and effect.

Utah DOGM has reviewed the permit application package (PAP) for the Gordon Creek No. 2 mine under the Utah State program and cooperative agreement (30 CFR 944.30) and has issued Utah permit ACT/007/016 authorizing surface coal mining and reclamation operations on Federal and non-Federal lands in the permit area pursuant to the State program and cooperative agreement. A copy of the bond in the amount of $641,443, payable to the United States and the State of Utah, is on file with OSMRE.

This permit termination is categorically excluded from the National Environmental Policy Act (NEPA) process because the Federal permit and mining plan approval were previously covered by the NEPA process (i.e., OSMRE's Environmental Assessment and Finding of No Significant Impact dated August 3 1984)

II. Background

The Gordon Creek No. 2 underground coal mine is located in Carbon County, Utah, 20 miles northwest of Price, Utah. The Utah State permit area contains approximately 2300 acres, approximately 1726 acres of which are leased Federal coal in the mining plan area for Federal leases U-8319 and U-47975.

The Gordon Creek No. 2 mine mining plan was originally approved under the Federal lands program on August 24, 1984, and the mine was permitted by OSMRE under the Federal lands program and Utah State program on August 27, 1984. Since the original approval of the mining plan, there have been no mining plan modifications.

OSMRE's Albuquerque Field Office Field Office was consulted on November 10, 1988 and has indicated that no pending enforcement actions are associated with the Federal permit for the Gordon Creek No. 2 mine.

The Federal permit contained 12 special conditions of approval.

Special Conditions 1 and 2 required erosion protection measures for certain ditches and were satisfied on March 11, 1985.

Special Condition 3 required monitoring of mine inflows and was satisfied on August 5, 1988.

Special Condition 4 required monitoring of surface water at two locations and was satisfied on October 6, 1988.

Special Condition 5 required the permittee to establish riparian habitat at the Gordon Creek #3 minesite and was satisfied on August 5, 1988.

Special Condition 6 required submittal of a USFWS permit for removal of a raptor nest and was satisfied on February 13, 1985.

Special Condition 7 required the permittee to notify Utah DOGM if mass movement occurs in the permit area and is carried forward in the State permit as Condition No. 1.

Special Condition 8 requires submittal of subsidence information and was satisfied on October 6, 1988.

Special Condition 9 required the permittee to contribute to the endangered fishes conservation fund and was satisfied on June 13, 1985.

Special Condition 10 requires modification of power poles for raptor protection and was carried forward in the State permit as Condition 2.

Special Condition 11 requires a survey for endangered plant species prior to any redisturbance and was carried forward in the State permit as Condition No. 3.

Special Condition 12 requires use of all spoil material in reclamation of the highwall and was carried forward in the State permit as Condition No. 4.

The standard conditions of the existing mining plan approval are appended to this memorandum as Attachment A. There are no remaining special conditions of approval of the mining plan.

III. Approval:

I approve the termination of Federal permit UT-0010, issued on August 27, 1984, for the Gordon Creek No. 2 mine. The applicable standard conditions of the mining plan approved by the Assistant Secretary on August 24, 1984, are appended as Attachment A and remain in full force and effect notwithstanding this permit termination approval.

Chief, Federal Programs Division
Western Field Operations
Office of Surface Mining Reclamation and Enforcement

11/17/88
Date

CONDITIONS
OF
MINING PLAN APPROVAL

This document contains the applicable conditions of approval of the Gordon Creek No. 2 mine mining plan approved on August 24, 1984, for Federal coal leases U-8319 and U-47975. Beaver Creek Coal Company is hereinafter referred to as the lessee/operator.

Condition 1. Statutes and Regulations.--The mining plan approval was made pursuant to Federal coal leases U-8319 and U-47975; the Mineral Leasing Act of 1920, as amended (30 U.S.C. 181 et seq.); and in the case of acquired lands, the Mineral Leasing Act for Acquired Lands of 1947, as amended (30 U.S.C. 351 et seq.). The mining plan approval is subject to all applicable regulations of the Secretary of the Interior including, but not limited to, 30 CFR Chapter VII and 43 CFR Group 3400, and to all regulations of the Secretary of Energy, which are now or hereafter in force; and all such regulations are made a part hereof. The lessee/operator shall comply with the provisions of the Water Pollution Control Act (33 U.S.C. 1151 et seq.), the Clean Air Act (42 U.S.C. 7401 et seq.) and other applicable Federal laws.

Condition 2. The current mining plan approved on August 24, 1984, covers all or portions of Federal coal leases U-8319 and U-47975 as described below:

T. 13 S., R. 7 E., S.L.M

Sec. 12: E1/2, E1/2 W1/2
Sec. 13: NE1/4 NE1/4, N1/2 NW1/4 NE1/4,
N1/2 S1/2 NW1/4 NE1/4, S1/2 S1/2, NW1/4 NE1/4
S1/2 NE1/4, E1/2 W1/2, SE1/4
Sec. 24: N1/2 NE1/4, NE1/4 NW1/4

T. 13 S., R. 8 E., S.L.M.

Sec. 18: Lots 1-4, NW1/4 NE1/4, S1/2 NE1/4, E1/2 NW1/4,
NE1/4 SW1/4

Sec. 19: Lots 1 and 2, SE1/4 NW1/4

as shown on the map appended hereto as Exhibit A.

Condition 3. The lessee/operator shall conduct coal development and mining operations only as described in the complete permit application package approved by the Utah Division of Oil, Gas and Mining, except as otherwise directed in the conditions of the mining plan approval as contained herein.

Condition 4. The lessee/operator shall comply with the terms and conditions of the leases and the approved mining plan, and the requirements of the Utah Permit number ACT/007/016 issued under the Utah State program, approved pursuant to the Surface Mining Control and Reclamation Act of 1977 (30 U.S.C. 1-201 et seq.).

Condition 5. The mining plan approval shall be binding on any person conducting coal development or mining operations under the approved mining plan and shall remain in effect until superseded, cancelled, or withdrawn.

Condition 6. The lessee/operator shall allow the authorized representatives of the Secretary, and the Utah Division of Oil, Gas and Mining, 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 842.13, 43 CFR Group 3400, and UMC/SMC 840.12 and 842.13; and

b. Be accompanied by private persons for the purpose of conducting an inspection in accordance with 30 CFR 842.12 and UMC/SMC 842.12, when the inspection is in response to an alleged violation reported by the private person.

Condition 7. If during the course of mining operations previously unidentified prehistoric or historic resources are discovered, the lessee/operator shall ensure that the resources are not disturbed and shall notify Utah Division of Oil, Gas and Mining and OSMRE. The lessee/operator shall take such necessary actions as are required by Utah Division of Oil, Gas and Mining in coordination with OSMRE.

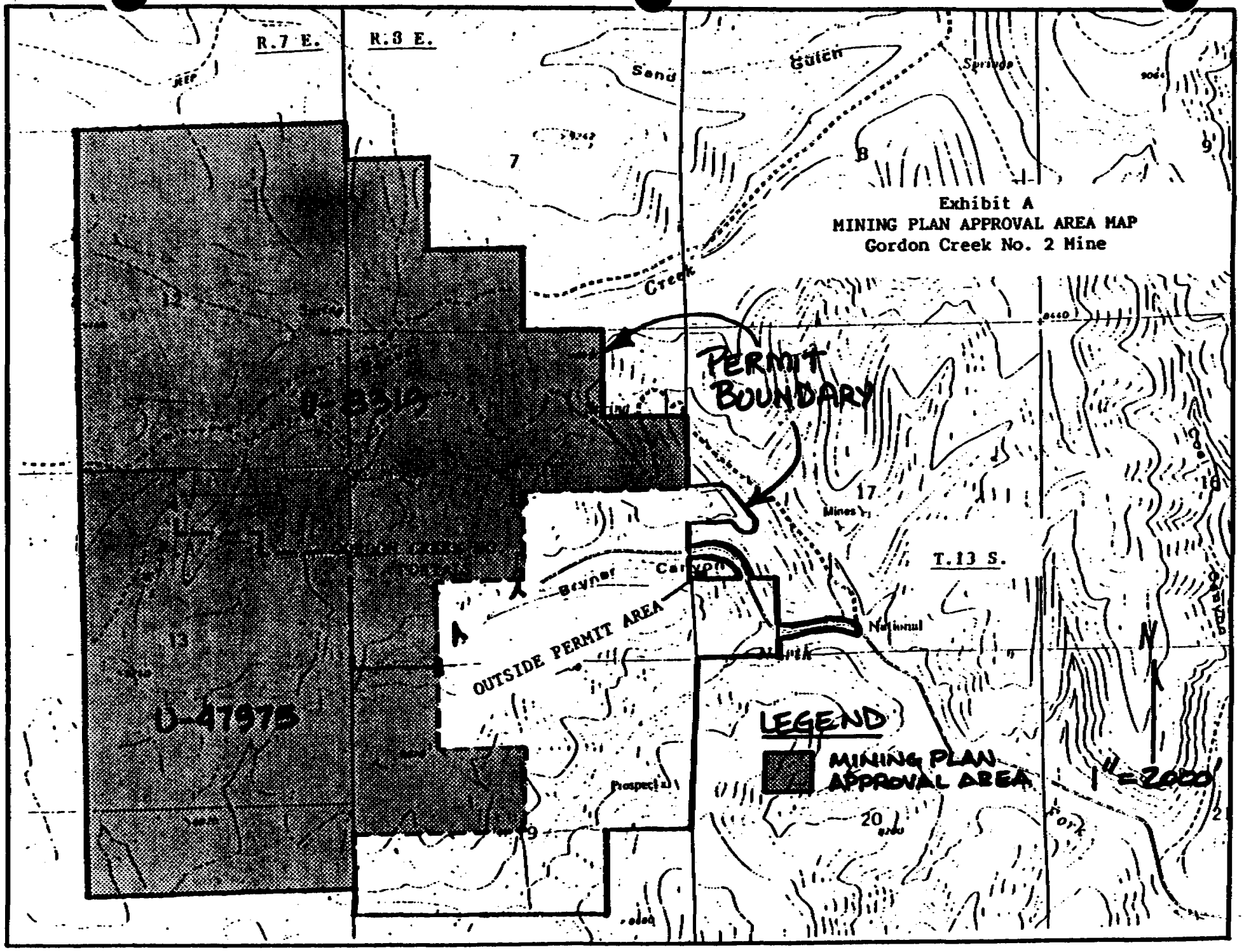

Exhibit A
MINING PLAN APPROVAL AREA MAP
Gordon Creek No. 2 Mine

OTHER PERMITS

MASS BALANCE TABLE GORDON CREEK NO. 2/7/8 MINES				
* CROSS-SECTION STATION	CUT VOLUME (CU. YDS.)	FILL VOLUME (CU. YDS.)	CUT (ACCUM) (CU. YDS.)	FILL(ACCUM.) (CU. YDS.)
0+00	0	1049	0	1049
2+00	1541	28,030	1541	29,079
4+00	4444	21,630	5985	50,709
6+00	19,793	1956	25,778	52,665
8+00	21,630	3615	47,408	56,280
10+00	5333	4148	52,741	60,428
12+00	2193	2785	54,934	63,213
14+00	1896	1778	56,830	64,991
16+00	1363	2074	58,193	67,065
18+00	2193	20,741	60,386	87,806
20+00	3852	28,148	64,238	115,954
22+00	4741	19,556	68,979	135,510
24+00	7407	19,259	76,386	154,769
26+00	20,148	9778	96,534	164,547
28+00	17,778	7289	114,312	171,836
30+00	9007	5926	123,319	117,762
Sub-Total	123,319	117,762	123,319	117,762
Lower Road	16,297	10,100	16,297	10,100
Sub-Total	139,616	125,555	139,616	187,862
Plus 7/8 Topsoil	+14,451	0 (Included in fill)	+14,451	0
Plus #2 Topsoil Sub.	+14,842	0 (Included in fill)	+14,842	0
Grand Total	168,909	187,862	168,909	187,862

*Taken from Plates 3-8A, 3-8B and 3-8C.
Note: Cut volume of 168,909 x 1.15 expansion factor for fill = 194,245 cu. yds.

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

State of Utah

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

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

May 1, 1989

Dan W. Guy
Manager of Permitting/Compliance
Beaver Creek Coal Company
P.O. Box 1378
Price, Utah 84501

Re: Issuance of General Permits for Coal Mining UTG040003, UTG040004 and UTG040005

Dear Mr. Guy:

We hereby acknowledge receipt by EPA and the State of five Notices of Intent (NOIs) for coverage under the Utah General Permit for Coal Mining. The NOI's for Beaver Creek Coal Company's Trail Mountain No. 9 Mine, Gordon Creek No. 2 Mine, Huntington Canyon No. 4 Mine, Gordon Creek No. 3 & 6 Mines and the CV Spur Processing/Loadout Facility are considered adequate. Three of the facilities will be issued a general permit and two of the existing facility permits will be inactivated because of completion of reclamation activities. Trail Mountain No. 9 Mine has been reassigned a new permit number UTG040003, Gordon Creek No. 2 Mine has been reassigned a new permit number UTG040004 and the CV Spur Processing/Loadout Facility has been assigned a new permit number UTG040005. Any future correspondence regarding these three facilities should refer to these numbers. The permits for Huntington Canyon No. 4 Mine UT0023116 and Gordon Creek No. 3 & 6 Mines UT0023060 will be inactivated.

A copy of the final signed permits are enclosed. Coverage shall begin June 1, 1989 and all requirements and conditions of the permits will be in full force and effect at that time.

Preprinted Discharge Monitoring Report forms (EPA form 3320-1) for self monitoring and reporting requirements as specified in the permits will be sent to Beaver Creek Coal by June 1st.

Also enclosed is the billing information for the issuance of your Utah Pollutant Discharge Elimination System (UPDES) permits. A fee schedule was included in the Utah Department of Health budget appropriation request at the direction of the Legislature and in accordance with Utah Code Annotated 26-1-6. The fee schedule as approved by the Legislature includes a $100.00 filing fee and a charge equal to the Bureau of Water Pollution Control's actual costs for writing and issuance of a UPDES permit. It is Division policy to charge either the filing fee or the actual cost plus 7% whichever is greater. Please remit $300.00 to the Utah Department of Health, Bureau of Water Pollution Control, P.O. Box 16690, Salt Lake City, Utah 84116-0690.

If you have any questions please contact Mike Herkimer at 538-6146.

Sincerely,

Utah Water Pollution Control Committee

Don A. Ostler

Don A. Ostler, P.E.
Executive Secretary

Enclosure

MDH:st

cc: Janet Fujita, EPA Region VIII, w/enclosure
Joel Helfrich, DOGM, w/enclosure

1571-28

BOND

STATE #ACT/007/016

ORIGINAL

R I D E R

RIDER to be attached to and form a part of Bond Number U-629965

on behalf of BEAVER CREEK COAL COMPANY
(Name)

555 SEVENTEENTH STREET, DENVER, COLORADO 80202
(Address)

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

as Obligee, executed by UNITED PACIFIC INSURANCE COMPANY as Surety,
in the amount of SIX HUNDRED FORTY-ONE THOUSAND FOUR HUNDRED FORTY-THREE AND NO/100----------

Dollars ($ 641,443.00-----) effective SEPTEMBER 13, 19 90.

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

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

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

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

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

LEGAL

MOUNTAIN COAL COMPANY
Principal

BY: Thomas H Parker
Vice President

UNITED PACIFIC INSURANCE COMPANY
Surety

BY: Dorothy M. Iwanoff
DOROTHY M. IWANOFF
ATTORNEY-IN-FACT

ARCO Coal Company

Internal Correspondence

Date: September 25, 1990

Subject: **Rider for State of Utah Reclamation Bond #U-629965 Gordon Creek #2 and #7 Mine**

From/Location: Kim Penoyer, DAT-2165 Kim Penoyer

To/Location: Dick Pick, Grand Jct.

Please sign the attached Rider for the State of Utah Reclamation Bond for Gordon Creek #2 and #7 Mines. We were notified that our bond had an incorrect acreage figure which needed to be updated.

If you will return the signed document to me, I will obtain the proper seal and return it to the State Office.

KP:mjb
attachment
cc: Dan Guy, w/a

R I D E R

RIDER to be attached to and form a part of Bond Number U-629965

on behalf of BEAVER CREEK COAL COMPANY
(Name)

555 SEVENTEENTH STREET, DENVER, COLORADO 80202
(Address)

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

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

in the amount of SIX HUNDRED FORTY-ONE THOUSAND FOUR HUNDRED FORTY-THREE AND NO/100**

Dollars ($ 641,443.00***) effective JULY 30, 19 87.

It is hereby understood and agreed that effective as of SEPTEMBER 13, 1990, the Acreage on said bond has been amended from: 2,286.05 acres of land
to: 17.2 acres of land

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

CALIFORNIA
ACKNOWLEDGEMENT BY SURETY

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES } ss.

On this 13TH day of SEPTEMBER in the year 19 90, before me CORA V. RODRIGUEZ personally appeared CASSIE J. BERRISFORD, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person who executed the within instrument as attorney-in-fact of UNITED PACIFIC INSURANCE COMPANY and acknowledged to me that the corporation executed it.

OFFICIAL SEAL
CORA V. RODRIGUEZ
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires March 24, 1993

Cora V. Rodriguez
Notary Public

UNITED PACIFIC INSURANCE COMPANY

HEAD OFFICE, FEDERAL WAY, WASHINGTON

POWER OF ATTORNEY

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

CASSIE J. BERRISFORD of LOS ANGELES, CALIFORNIA

its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed

ANY AND ALL BONDS AND UNDERTAKINGS OF SURETYSHIP ------

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

This Power of Attorney is granted under and by authority of Article VII of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which became effective September 7, 1979, which provisions are now in full force and effect, reading as follows:

ARTICLE VII — EXECUTION OF BONDS AND UNDERTAKINGS

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

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

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

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 8th day of June, 1979, at which a quorum was present, and said Resolution has not been amended or repealed:

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

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President, and its corporate seal to be hereto affixed, this 7th day of May 19 90

UNITED PACIFIC INSURANCE COMPANY

Vice President

STATE OF Washington
COUNTY OF King } ss.

On this 7th day of May, 19 90 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 affixed the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII, Section 1, 2, and 3 of the By-Laws of said Company and the Resolution, set forth therein, are still in full force.

My Commission Expires
May 15 , 19 90

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

I, Robert D. Ritzhaupt, 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 13TH day of SEPTEMBER 19 90

Assistant Secretary Robert D. Ritzhaupt
Robert D. Ritzhaupt

SDU-1401 Ed. 4/89

LIABILITY INSURANCE

CERTIFICATE OF INSURANCE

12/08/92 - DPC

CIGNA Property and Casualty Companies

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

CIGNA

Th[illegible]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 84180-1203

COMPANY CODES

- [2] CIGNA INSURANCE COMPANY
- [3] CIGNA INS. CO. OF TEXAS
- [5] PACIFIC EMPLOYERS INS. CO.
- [9] INSURANCE COMPANY OF NORTH AMERICA
- [A] CIGNA INS. CO. OF ILLINOIS
- [B] CIGNA INS. CO. OF OHIO
- [ ] (OTHER, — SPECIFY)

FOLD

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

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

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

Including 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	[ ]	[ ]			$ Statutory W. C. / One Accident and Aggregate Disease
(b) General Liability — Bodily Injury: Premises—Operations (including "Incidental Contracts" as defined below)	[X]	[9]	ISL G1 519134-A	01/01/93 to 01/01/96	$*See Below Each Person; Each [ ] Accident [ ] Occurrence
Bodily Injury: Independent Contractors	[X]	[9]			$
Bodily Injury: Completed Operations/Products	[X]	[9]			
Bodily Injury: Contractual, (Specific type as described in footnote below)	[X]	[9]			$ Aggregate—Completed Operations/Products
Property Damage: Premises—Operations (Including "Incidental Contracts" as defined below)	[X]	[9]	ISL G1 519134-A	01/01/93 to 01/01/96	$*See Below Each [ ] Accident [ ] Occurrence
Property Damage: Independent Contractors	[X]	[9]			$ Aggregate—Prem./Oper.
Property Damage: Completed Operations/Products	[X]	[9]			$ Aggregate—Protective; $ Aggregate—Completed Operations/Products
Property Damage: Contractual, (Specific type as described in footnote below)	[X]	[9]			$ Aggregate—Contractual
(c) Automobile Liability — Bodily Injury: Owned Automobiles	[ ]	[ ]			$ Each Person
Bodily Injury: Hired Automobiles	[ ]	[ ]			Each [ ] Accident [ ] Occurrence
Bodily Injury: Non-owned Automobiles	[ ]	[ ]			$
Property Damage: Owned Automobiles	[ ]	[ ]			$ Each [ ] Accident [ ] Occurrence
Property Damage: Hired Automobiles	[ ]	[ ]			
Property Damage: Non-owned Automobiles	[ ]	[ ]			
(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 Applicable Block) [ ] a contract [ ] purchase order agreements [ ] all contracts — between the Insured and:

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

NAME OF OTHER PARTY

DATE (if applicable)

CONTRACT NO. (if any)

DESCRIPTION (OR JOB)

Gordon Creek #2, #7 & #8 ACT/007/016

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

[illegible]

DIVISION ORDERS

AFFIDAVIT OF PUBLICATION

STATE OF UTAH)
ss.
County of Carbon,)

I, Dan Stockburger, 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 ....Four...(4).....consecutive issues, and that the first publication was on the

.....4th.....day of..February.....,19.93.

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

.....25th.....day of.....February.....,19.....93

Dan Stockburger

Subscribed and sworn to before me this

.....25th.....day of.....February.....,19.....93

Linda Thorp
Notary Public

My Commission expires January 10, 1995

Residing at Price, Utah

Publication fee, $.....64.00.....

NOTARY PUBLIC
LINDA THORP
811 North 10th East
Price, Utah 84501
My Commission Expires
January 10, 1995
State of Utah

Mountain Coal Company [illegible] Mining and Reclamation [illegible] Creek No. [illegible]
The applicant is [illegible]
Mountain Coal Company [illegible]
P.O. Box 591
Somerset, Colorado [illegible]
The permit for [illegible]
[illegible] Mining [illegible]
[illegible] Mines, [illegible]
County, Utah in [illegible]
1, 12, 13 and 24, [illegible]
Written comments [illegible]
to:
Utah Division [illegible]
355 West North [illegible]
3 Triad Center [illegible]
Salt Lake City [illegible]
Published in the [illegible]

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

December 21, 1992

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

Dear ~~Mr.~~ Dan Guy:

Re: Request for Extension of Submission of Revised Mine Plan, Gordon Creek Nos. 2, 7, and 8 Mine, ACT/007/016, Carbon County, Utah

I am in receipt of your December 10, 1992, request to extend the submission of revised reclamation plan for the above mine from December 18, 1992 to February 1, 1993. Your letter provided a basis for the extension and asked for modification of items 5 and 6 of the Division's August 17, 1992, letter to Scott Anderson.

The Division approves your December 10, 1992, request for extension as stated. Our mutual objective of continuing final reclamation at Gordon Creek Nos. 2, 7, 8 in 1993, is achievable with this change in submission schedule. Please contact Pamela Grubaugh-Littig or members of her staff should you have questions that need resolution in advance of the February 1, 1993, submission date.

Sincerely,

Lowell

Lowell P. Braxton
Associate Director, Mining

vb
cc: Scott Anderson
P. Grubaugh-Littig
GC212-92

an equal opportunity employer

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

December 10, 1992

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

Re: Request for Extension
Revised Mine Plan
Gordon Creek No. 2/7/8 Mines
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Pursuant to our phone conversation of 12/8/92, this letter is a request to extend the submittal of the revised reclamation plan for the Gordon Creek No. 2/7/8 Mines to February 1, 1993. The original planned submittal date was December 18, 1992 as noted under Item 5 of the agreement letter of August 17, 1992 from Dianne Nielson to Scot Anderson.

The request for extension has become necessary due to a number of reasons unforeseen at that time:

(a) The sale of Trail Mountain Mine to Pacificorp. This has taken a great deal of my time, and the timing was such that the start of the 2/7/8 plan revision was delayed;

(b) Trail Mountain Mine Mid-Term Review and Division Orders were both received after the announcement of the sale; however, these had to be addressed by Mountain Coal company since the permit was still in our name;

(c) The closure and final move from the Price Office was also occurring at time of the sale. This was also a very time consuming operation, since most of our employees were involved in cleaning out the mine or had been laid off;

(d) Perhaps the most important reason for requesting the extension is to allow time to rewrite the hydrology section before turning it over to a consultant for final analysis. The present plan consists of 3 separate submittals and is very confusing. Rather than burden a

hydrology consultant with the problem of sorting it out (sight unseen) I felt it best to consolidate the plan and then have the consultant review it and make any necessary corrections or additions.

The proposed extension will allow time for a more complete review and rewrite of the plan. I have reviewed the dates in the August 17, 1992 "agreement" letter, and I propose the following date changes for items 5 and 6:

Item 5 - "Mountain Coal shall submit to the Division a revised reclamation plan reflecting the resolution of issues raised or resulting from the Division Orders no later than February 1, 1993.

Item 6 - "Given a complete and accurate application, the Division shall approve that reclamation plan by no later than June 1, 1993."

All other dates in the agreement letter will remain the same, and the above schedule will allow adequate time to acquire contractors to finish the reclamation in the 1993 field season. It should be noted that Items 1 through 4 have been complied with as agreed.

I hope this proposal meets with your approval, and I appreciate your cooperation. If you have any questions, or need any further information, please let me know.

Respectfully,

Dan W. Guy

Dan W. Guy
Manager Permitting/Compliance

cc: Scot Anderson
Kathy Welt
File

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

September 10, 1992

Mr. Dan Guy, Manager
Mountain Coal Company
P.O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

Re: Highwall Reclamation, Mountain Coal Company, Gordon Creek #2, #7, and #8 Mines, ACT/007/016, Folder #3, Carbon County, Utah

The highwall reclamation plan submitted August 20, 1992, is approved, see enclosed analysis. Information contained in the August 20, 1992 submittal must be included in the final reclamation plan, which must be submitted to the Division no later than December 18, 1992.

If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure
cc: Lowell P. Braxton

an equal opportunity employer

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

September 10, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jess Kelley, Reclamation Engineer JK

RE: Highwall Reclamation, Mountain Coal Company, Gordon Creek #2, #7 and #8 Mines, ACT/007/016, Folder #2, Carbon County, Utah

SYNOPSIS

In an August 17, 1992 letter to the operator, the Division agreed to a seven-point plan for the reclamation of this site. On August 20, 1992, the operator submitted, for Division approval, a plan for reclaiming the highwalls in the three separate mine areas, highwall reclamation being point one of the seven-point plan. This memorandum constitutes an analysis and approval of this submittal.

ANALYSIS

In point one of the seven-point plan, the operator agrees to three things:

1. The operator will completely eliminate the highwall at the No. 8 Mine.

2. The operator will eliminate as much of the No. 7 Mine highwall as possible. Since this area has historically been unstable, the operator will design the highwall backfill to have a static safety factor of no less than 1.5.

3. The operator will completely eliminate the No. 2 Mine highwall unless a) it is demonstrated that there is not enough reasonably available spoil or, b) it is demonstrated that complete elimination of the highwall would cause the static safety factor of the resultant fill to fall below 1.3.

The operator hired the consulting firm of J.F.T. Agapito & Associates, Inc. of Grand Junction, Colorado, to characterize the available fill material and define the limiting slope heights and slope angles. Agapito's report is found in Appendix 12 of the mine plan.

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For both the No. 7 and the No. 2 areas, Agapito determined representative values of 3 physical properties of the available fill material: cohesion (c), internal friction angle (ϕ), and dry density (γ). Agapito then applied these values to the circular slope failure criteria of Hoek & Bray (Rock Slope Engineering, 1981, p. 238.) in order to define a range of possible slope configurations which would attain the required static safety factor. The fill material was assumed, for the purposes of this analysis, to be completely saturated (the worst case).

The properties of the material in the No. 7 Mine area were determined to be as follows:

$c = 504$ psf
$\phi = 21°$
$\gamma = 120$ pcf

Application of these values to the Hoek & Bray circular slope failure criteria yielded the following possible slope configurations with a static safety factor of 1.5:

Slope Angle (degrees)	Maximum Height (ft)
15	78
20	45
25	36
30	29
35	25

The operator will backfill the No. 7 Mine highwall to a height of approximately 45 feet with a slope angle of approximately 20°, as shown in Map 3-7 and in the cross sections of Figure 3-8. This will result in retention of about 40 feet of the cliff face above the backfilled area. Given the properties of the fill material, the amount of available material, and the space between the highwall and the stream channel on the opposite side of the canyon, this is the only possible slope configuration. A lesser slope would be less than the original slope and would reclaim more of the highwall, but would obstruct the stream channel and require more material than is available.

The properties of the material in the No. 2 Mine area were determined to be as follows:

$c = 828$ psf
$\phi = 23.8°$
$\gamma = 107$ pcf

Application of these values to the Hoek & Bray circular slope failure criteria yielded the following possible slope configurations with a static safety factor of 1.3:

Slope Angle (degrees)	Maximum Height (ft)
15	230
20	115
25	82
30	66
35	55

The operator will backfill the No. 2 highwall to a height of approximately 115 feet with a slope angle of approximately 20°, as shown in Map 3-7 and in the cross sections of Figure 3-8. This will result in retention of approximately 15 feet of the cliff face above the backfilled area. The height of the cliff face will approach 25 feet in the mouths of the two tributary canyons in this area because of the lack of space between the highwall and the restored channels.

Just as in the case of the No. 7 highwall, the 20° slope angle is the optimum slope angle for the No. 2 Mine area. Again, a lesser slope would reclaim more of the highwall, but would require more material than is available and would obstruct the restored channels in the narrow canyons.

RECOMMENDATIONS

It is recommended that the highwall reclamation submittal be approved as fulfilling the requirements of both the R645 rules and the August 17, 1992 Division letter to the operator. The submittal should be included in the final reclamation plan, which the operator has agreed to submit to the Division no later than December 18, 1992.

jbe
cc: Scott W. Anderson, ARCO
Dan Guy, Mountain Coal
Lowell Braxton, DOGM
AGAPI.MEM

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

August 19, 1992

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

Attention: Jesse Kelly

Re: Division Order DO91-A
Highwall Reclamation Plans
Gordon Creek No. 2/7/8 Mines
ACT/007/016
Carbon County, Utah

Dear Ms. Littig:

In accordance with our agreement, Mountain Coal Company is herein submitting a plan for the backfilling of the Gordon Creek highwalls. Enclosed are 3 copies of the revised post-mining topography, cross-sections and mass balance sheet, along with the stability analysis for the No.2 Mine highwall. All plates and pages are numbered and should replace corresponding numbers in the plan. The stability analysis should be added to Appendix 12.

The following is a brief explanation of the backfilling plan for each of the highwall areas:

(1) No. 8 Mine - The highwall will be completely eliminated as shown on the enclosed plan and in previous submittals;

(2) No. 7 Mine - The highwall will be reduced based on the stability analysis, as shown in our April 28, 1992 submission to the Division (this area is unchanged on the enclosed plan);

(3) No. 2 Mine - The portal highwalls will be reduced and/or eliminated based on the enclosed stability analysis for this site. The maps and mass balance have been changed to reflect the proposed backfilling. The extent of backfilling is based on a safety factor of 1.3 and a slope angle of 20°, which allows for a maximum height of 115'. The 1.3 factor of safety is considered adequate for this site, since there are no known seeps in the

highwalls, except for the one shown at the extreme upper end of the site, and adequate room is available to extend the slope across the pad areas. Minor slope modifications have been made to accommodate the Right Fork drainage and the seep at the upper end; however, the safety factor has not been reduced below 1.3 nor increased above 1.5 in any event. It should be noted that the seep will be drained in a surface channel rather than underground to promote stability of the backfill area and to allow for containment of the drainage for wildlife watering.

The revised Mass Balance shows the new fill requirement for the total property to be 188,000 cubic yards, including topsoil and soil substitute. The required fill material is assumed available based on recent deep (10'-12') sampling on the No. 2 Mine site.

It is our hope this revised plan will meet with your approval. These plans will also be included in the revised reclamation plan to be submitted by December 18, 1992. We are prepared to implement the backfilling operation as per our agreement, upon your approval.

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

Respectfully,

Dan W. Guy
Manager of Permits and Compliance

DWG/cr

Enclosures

cc: Scot Anderson
Johnny Coffey
File

303-245-4220
FAX 303-245-9284

GAPITO & ASSOCIATES, INC.
CONSULTING GEOTECHNICAL AND MINING ENGINEERS
715 HORIZON DRIVE, SUITE 340
GRAND JUNCTION, COLORADO 81506

20-24

August 18, 1992

Mr. Don Guy
Mountain Coal Co.
P.O. Box 1378
Price, UT

RE: Gordon Creek

Dear Don:

The laboratory test results from the composite sample collected by Brian at the Gordon Creek Site resulted in the following:

Liquid limit	26
Plastic index	3
Internal friction angle	23.8°
Cohesion	828 psf
Maximum dry density	105.5 pcf or 107.0*
Optimum moisture	17 or 16.1*

* when corrected for 6% by weight, rock retained on 3/4 inch sieve.

Using the cohesion of 828 psf and friction angle of 23.8° with the design charts from Hoek and Bray (1981) for saturated conditions, results in the following maximum allowable slope height for the corresponding slope angle (for safety factors of 1.3 or 1.5).

Slope Angle	Maximum Allowable Slope Height (ft) SF* = 1.3	SF = 1.5
15	230	153
20	115	80.7
25	81.7	62.2
30	65.5	51.1
35	55.3	43.4

* SF = safety factor

We will follow this up with a complete report as soon as Brian makes it back to the office.

Yours sincerely,

Mike

M. P. Hardy
Principal

MPH:nm

T. AGAPITO & ASSOCIATES, INC.

Consulting Geotechnical and Mining Engineers

715 Horizon Drive, Suite 340
Grand Junction, CO 81506

(303) 242-4220

Telefax No. (Rapicom 120):
(303) 245-9234

TELEFAX COVER PAGE

To:	Dan Guy	*Date:*	August 19, 1992
From:	ARCO Coal and Minerals Co.	*Telefax No.:*	801-637-1191
Attn:	Brian McGunegle BM	*Project No.:*	20-25

The attached is a draft for your comment, and as you will note, lacks the figures and appendixes which remain to be prepared. In addition, Mike Hardy has yet to review the text so the potential for changes exists.

Total Number of Pages (Including Cover Sheet) 5

DRAFT FOR COMMENT

20-25

August 19, 1992

Mr. Dan Guy
ARCO Coal and Minerals Company
Mountain Coal Company
P.O. Box 1378
Price, UT 84501

Re: Gordon Creek #2 Reclamation Slope Study

Dear Dan:

In response to a request by Mountain Coal Company, J. F. T. Agapito & Associates, Inc. obtained samples of the materials that are anticipated to be used for reclamation requirements for the portal backslope areas of the Gordon Creek #2 Mine. These requirements include the placement of fill against the back slopes above the mine portals. The degree to which the back slopes will be covered is dependent upon the stability characteristics of the material. Material properties were determined for use in an analysis of the stability of these materials applied to the reclamation of the portal back slopes.

The location of the #2 Mine is some 20 miles west of Price, Utah at an elevation of approximately 7000 feet above sea level. Weather conditions at the time of sample collection were sunny with a temperature of about 80°F.

The reclamation sites, which include the portal pads, load out area, access road, and back slopes of the Gordon Creek #2 Mine (Figures 1 and 2), face in a southerly direction and were dry at the time the samples were collected. Surface drainages are present adjacent to the back slopes.

Mine portals were developed into the base of the back slopes. The portals were sealed following abandonment of the mine and have been covered.

The sites for sample collection were selected by Mr. Dan Guy of Mountain Coal Company. Revisions to locations as well as additional locations designated at the time of sample collection were made to provide representative samples and facilitate trench excavation. Sample sites were located on or adjacent to the mine access road as shown on Figure 3. Trenches were cut at the sample locations with a tractor-backhoe to depths of 5 to 11 feet, the limit of the reach capacity of the backhoe. Sample channels were cut from the side of the trenches to depths of 5 feet. Samples from below 5 feet were gathered from material removed from the trench by the backhoe bucket and

[illegible] be representative of the material in the trench at the depth excav[illegible] Samples GC2-13 [illegible] were taken from representative materials excavated by the back[illegible] bucket because of [illegible] depths and soil conditions.

The samples were placed in plastic bags and sealed in plastic pails for transportation, storage, [illegible] subsequent examination and analyses. Sample trenches are shown in the photographs in [illegible] 5, 6 and 7.

The material excavated from the trenches was [illegible] the fra[illegible] [illegible]ter than 4 inches visually estimated. Approximate descriptions and [illegible] noted in [illegible] [illegible]ght.

Sample GC2-9, located along the mine access road, was noted as a moist tan soil/rock mixture with some coal fines and tan sandstone cobbles of 4 to 8 inches estimated to comprise about 5% of the sample. Rock, appearing to be intact sandstone, was encountered at a depth of approximately [illegible] feet, and the soil contained plant root materials.

Sample GC2-10, located west of the bath house foundation, was noted as a moist tan soil/rock mixture with some coal and tan sandstone cobbles of 4 to 8 inches estimated to comprise approximately 5% of the sample. The sample trench was cut to 10 [illegible]

Sample GC2-11, located south of the sediment basin, was [illegible] as a moist tan soil/rock mixture with coal and tan and grey sandstone and siltstone cobbles. The 6 to 12 inch cobbles were estimated to comprise 5% to 10% of the sample. The sample trench was excavated to 10 feet.

Sample GC2-12, located on the portal bench fill northeast of the conveyor overpass, was noted as a moist tan and grey soil/rock mixture with coal fines and coal and tan sandstone cobbles of 4 to 18 inches estimated to comprise approximately 5% of the sample. The sample contained sufficient coal fines that the composite, as excavated, appeared black. Subsequent examination indicated that the soil materials other than coal were tan and grey. The sample trench was excavated to a depth of 8 feet where an apparent sandstone ledge was encountered.

Sample GC2-13, located in the vicinity of the loadout pad, was noted as a tan and grey soil/rock mixture with coal and sandstone cobbles of 6 to 8 inches estimated to comprise somewhat less than 5% of the sample. The sample trench was excavated to a depth of 11 feet.

Sample GC2-14, located on the south side of the access road adjacent to the settling basin, was noted as a tan gravelly sand that appeared to contain a lesser quantity of finer sized particles and was drier than the other materials encountered. The sample contained sandstone cobbles of 6 to 8 inches estimated to comprise approximately 5% of the sample. The sample trench was excavated to 11 feet. The material appeared to be different from the other samples. Because of this apparent difference and its proximity to drain culvert routing from the settling basin, the material may have been imported for use as culvert backfill. Subsequent inspection of the samples and gradation analyses suggested that the material is very similar to the other materials sampled.

Two additional trenches designated GC2-15 and GC2-16 were excavated to further define the extent of the material encountered in the previous sample, GC2-14.

GC2-15 was excavated approximately midway between the loc[illegible] and GC2-14. The trench was excavated to a depth of 6 feet and contained material [illegible] tan soil/rock [illegible] with 6- to 8-inch cobbles estimated to comprise approximately 5% [illegible] excavated. No sample was gathered because this material was judged to be similar to [illegible] encountered in GC2-11.

GC2-16, located approximately 20 feet from GC2-14 and tow[illegible] excavated to a depth of 6 feet. The excavated material was noted as a moist tan [illegible] with cobbles similar to GC2-11 and GC2-15. As with GC2-15 [illegible] the apparent plasticity of the material to the GC2-11 sampl[illegible]

In general, the materials were well compacted [illegible] moderate effort to recover due to their clayey nature and the inclusion of the cobbles.

The cobbles and particles included in the materials to be used in reclamation are angular to sub-angular.

Double handful sized portions of each sample were retain[illegible] examination and the remainder of the six samples were submitted for laboratory an[illegible]rmine particle size distribution. All six samples were composited based on gradatio[illegible]ontent, and general appearance for the determination of values for cohesion, angle [illegible]riction, compaction characteristics, plasticity index, liquid limit and dry density.

The small portions of the samples were allowed to air dry at room temperature and were further examined. The samples were generally hard and exhibited moderate to high dry strengths. Upon breaking, some included coal particles and weakly cemented sandstone fragments [illegible] Minimal dilatancy was noted for these samples.

The results of the particle size analyses are presented in the Appendix. The individual samples are very similar and can be classified as gravelly sandy clays with cobbles. Based upon the similarities of the samples, all were composited for subsequent testing.

The results of the laboratory analyses are presented in the Appendix. The analytical results applied to the Unified Soil Classification system indicate that the sampled soil is a gravelly sandy clay with cobbles. In addition, the size distribution indicates 27% gravels, 35% sands, and 38% silt/clay sized particles. The LL and PI values are 26 and 3, respectively. The size distribution reported by the testing laboratory was adjusted to recognize the field estimated cobble fraction that was not included in the submitted samples.

Direct Shear tests were conducted at varying confining stresses. The material tested was 100%, passing a # 4 sieve and was compacted to as near 95% Proctor as possible. The tests yielded values for the soil cohesion of 5.75 psi and an internal friction angle of 23.8 degrees. The following parameters were applied to the slope stability criteria developed by Hoek and Bray (Rock Slope Engineering, 1981): cohesion, c = 5.75 psi; internal friction angle, ϕ = 23.8 degrees; and a dry density, γ = 107 pcf.

Utilizing the failure charts for saturated conditions indicates the following combinations of slope angles and slope heights can be considered stable with factors of safety equal to 1.3.

Slope Angle (degrees)	Maximum
15	
20	
25	
30	
35	

The following combinations of slope an[illegible] able with factors of safety equal to 1.5.

Slope Angle (degrees)	[illegible] H
15	
20	[illegible]
25	62
30	51
35	43

Slope angles greater than 35 degrees were not co[illegible] le of repose of the [illegible] pile at the nearby #7 site was previously mea[illegible] th[illegible]

Slopes along the creek have been revegetated and [illegible] efforts to remove [illegible]ial represented by the sample locations for placement agains[illegible] slopes.

The site-specific design can be accomplished using these slope criteria applied to the existing [illegible] permitted topographical features at the site.

Sincerely,

Brian McGunegle
Senior Associate

BFM:mm

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

July 28, 1992

CERTIFIED RETURN RECEIPT
P 074 979 273

Mr. Dan Guy, Manager
Mountain Coal Company
P.O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

Re: Division Order, Mountain Coal Company, Gordon Creek #2, #7 and #8 Mines, ACT/007/016-DO-92A, Folder #3, Carbon County, Utah

Enclosed please find a Division Order for the Gordon Creek #2, #7 and #8 Mines. This Division Order is the outcome from an Informal Hearing held on July 14, 1992 in which NOV #N92-20-1-1 was vacated. This Division Order relates to deficiencies that were sent to you on June 22, 1992 (copy enclosed). Deficiencies are identified according to the approved plan or a proposed plan (i.e., plans submitted subsequent to and as a result of Division Order DO-91A issued June 6, 1991). This Division Order is prepared in a unique format because it refers to the approved plan and proposed plans, as requested by the Director during the Informal Hearing.

If in your review of this Division Order you have any questions, please call me or Pamela Grubaugh-Littig.

Sincerely,

Lowell P. Braxton
Associate Director, Mining

jbe
Enclosure
cc/enc: Pamela Grubaugh-Littig
Joe Helfrich
007016DO

an equal opportunity employer

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

PERMITTEE	
Dan Guy Mountain Coal Company Gordon Creek #2, #7 & #8 Mines P.O. Box 1378 Price, Utah 84501	ORDER & FINDINGS of PERMIT DEFICIENCY
PERMIT NUMBER ACT/007/016 DIVISION ORDER # DO-92A	

PURSUANT to R645-303-212, the DIVISION ORDERS the PERMITTEE, Mountain Coal Company, to make the permit changes and other changes enumerated in the findings of permit deficiency in order to be in compliance with the State Coal Program. These findings of permit deficiency are to be remedied in accordance with R645-303-220.

SOILS

Findings of Deficiency
(Proposed Plan)

The Division finds the proposed plan deficient in contravention with the requirements of R645-301-233.100.

The approved plan to demonstrate the suitability of the proposed substitute topsoil (immediately under the existing surface of the No. 2 Mine yard pad) is sufficient to characterize the suitability of the material as a plant growth medium for final reclamation. However, in the event that highwall reclamation adjacent to the No. 2 Mine is required and, therefore, requires a major change in the backfilling and grading plan, the approved plan to demonstrate the suitability of the proposed substitute topsoil is inadequate.

Regulation Cited

R645-301-233.100 Selected overburden materials may be substituted for, or used as a supplement to topsoil if the operator demonstrates to the Division that the resulting soil medium is equal to, or more suitable for sustaining vegetation on nonprime farmland areas than the existing topsoil, has a greater productive capacity than that which existed prior to mining for prime farmland reconstruction, and results in a soil medium that is the best available in the permit area to support revegetation.

Requirements

In order to comply with this regulation, the permittee must submit a plan to demonstrate the suitability of the proposed substitute topsoil material in the event that the No. 2 Mine highwalls require complete reclamation.

Findings of Permit Deficiency
(Approved Plan)

The Division finds the permit deficient in contravention with the requirements of R645-301-233.100. The permit does not identify the location of or demonstrate the suitability of the plant growth medium which will remain on slopes which will not receive topsoil (i.e., slopes greater than 70 percent).

Regulation Cited

R645-301-233.100 Selected overburden materials may be substituted for, or used as a supplement to topsoil if the operator demonstrates to the Division that the resulting soil medium is equal to, or more suitable for sustaining vegetation on nonprime farmland areas than the existing topsoil, has a greater productive capacity than that which existed prior to mining for prime farmland reconstruction, and results in a soil medium that is the best available in the permit area to support revegetation.

Requirements

In order to comply with this regulation, the permittee must submit a plan to demonstrate the suitability of the proposed substitute topsoil material in the areas which will not receive topsoil (i.e., slope greater than 70 percent).

Findings of Permit Deficiency
(Approved Plan)

The Division finds the permit deficient in contravention with the requirements of R645-301-241. The permit does not contain an adequate soil nutrient and amendment plan.

Regulation Cited

R645-301-241. General Requirements. Each permit application will include plans for redistribution of soils, use of soil nutrients and amendments and stabilization of soils.

Requirements

The permittee must submit a fertilizer and amendment plan which includes the soil sampling procedures employed during final reclamation. This plan must include sample frequency, field and laboratory procedures employed, type(s) and rate(s) of fertilizer applied.

Findings of Permit Deficiency
(Approved Plan)

The Division finds the permit deficient in contravention with the requirements of R645-301-242.200. The permit does not contain an adequate treatment plan to reduce potential slippage of the redistributed topsoil material and to promote root penetration within the regraded spoil.

Regulation Cited

R645-301-242.200 Before redistribution of the materials removed under R645-301-232 the regraded land will be treated if necessary to reduce potential slippage of the redistributed material and to promote root penetration. If no harm will be caused to the redistributed material and reestablished vegetation, such treatment may be conducted after such material is replaced.

Requirements

The permittee must commit to deep ripping spoil material to at least 12 inches below the spoil surface. Spoil material and the initial lift of the soil material (i.e., six inches) may be ripped simultaneously to avoid the creation of an impenetrable interface between the soil and spoil material.

BIOLOGY

Findings of Permit Deficiency
(Approved Plan)

Pages 3-85 and 3-88 of the permit state that seedbed preparation on less than 40 percent slopes will include discing or harrowing to be followed by drill seeding. It has been the Division's experience that discing and drill seeding reduce surface roughness and, therefore, vegetative success. Gouging or ripping areas are sufficient seedbed preparation. Broadcast seeding (hydroseeding is a form of broadcast seeding) followed by light raking is the seed application method of choice for the entire site.

Regulation Cited

R645-301-341.220 states the permit will contain a description of the methods used for planting and seeding to comply with the biological protection performance standards.

Requirements

The permittee must commit to using these seeding and seedbed preparation methods.

Finding of Permit Deficiency
(Approved Plan)

The permittee has committed to use hydromulch as a suitable mulch on topsoiled areas. The Division contends that the permittee has not demonstrated that hydromulch is suitable mulch and soil stabilizer on slopes of 2:1 or steeper.

Regulation Cited

R645-301-355 states that suitable mulch and soil stabilizing techniques will be used on all topsoiled areas.

Requirements

The permittee must commit to using erosion control matting on any slopes 2:1 or steeper. (which are topsoiled).

Findings of Permit Deficiency
(Approved Plan)

Pages 3-90 and 3-91 of the permit describe the permanent reclamation seed mixture. The PAP does not contain adequate information as required by R645-301-341.210 and R645-301-353.

Regulations Cited

R645-301-341.210 and R645-301-353 states that the permit will contain a description of the seed mixture and that the seed mixture will be comprised of species necessary to achieve the approved postmining land use.

Requirements

The following changes are required to comply with the aforestated rules.

a) Northern milkvetch is what species of Astragalas? Does the permittee mean Northern sweetvetch? Northern sweetvetch, Hedysarum boreale, is desirable in reclamation seeding and may be available if ordered early summer.

b) Eriogonum corymbosum is a shrub, the common name is not Purple Daisy Fleabane. Please check as to availability of E. corymbosum prior to adding to the list.

c) "Bandera" Rocky Mountain Penstemon, Penstemon strictus, is better suited to the elevation at the #2, #7 & #8 Mines than Palmer pensemon.

d) The seed application rate for Bitterbrush and Mountain Mahagany provide for only .17 and .6 seeds per square foot, respectively. Please increase these seed rates.

e) "Hobble Creek" big sagebrush, Artemisia tridentata ssp. vasseyana is a newly released sagebrush that is very robust and palatable. Please substitute this for A. t. ssp. tridentata as listed.

f) The entire seeding rate (except Bitterbrush and Mountain Mahogany) is high and should be reduced by about 25 percent.

The permittee must change the seed mixture to comply with these changes.

Findings of Permit Deficiency
(Approved Plan)

revegetation

The permit lacks the schedule for the vegetation plan. For example, the schedule should show that seed ordering be completed by early summer. This is necessary to assure availability of seed and testing of seed.

Regulation Cited

R645-301-341.100 states that the permit must contain a detailed schedule and time table for completion of each major step in the revegetation plan.

Requirements

can be removed & replaced w/seed.

Shrub transplants should be ordered one year in advance to ensure availability. The permittee must incorporate a revegetation schedule into the permit.

Findings of Permit Deficiency
(Approved Plan)

P.M. Check on land use Livestock?

The approved postmining land use as stated in the permit is recreation and wildlife, however, the canyon is too steep to allow livestock grazing. The permit states the success will be based on cover, stocking and production.

cover/density only - No production for livestock.

Regulations Cited

R645-301-356 states that the revegetation will be judged on the effectiveness of the vegetation for the approved postmining land use.

R645-301-356.230 states that when the postmining land use is wildlife, the effectiveness of the vegetation will be based on vegetative ground cover and tree and shrub stocking.

Requirements

The permittee must remove the production standard from the permit.

Findings of Permit Deficiency
(Approved Plan)

The permit states that 37 percent cover and what that number is based on. Page 3-94.1 presents an unexplained table for success standards.

Regulation Cited

R645-301-356.110 states that standards for success are defined in the Division's "Vegetation Information Guidelines."

Requirements

The permit must contain a standard for success as described in the Vegetation Information Guidelines with data on which to base the standard.

Findings of Permit Deficiency
(Approved Plan)

The permit does not contain the commitment required by R645-301-356.232.

Regulation Cited

R645-301-356.232 states that at the time of bond release, trees and shrubs will be healthy and at least 80 percent will have been in place for 60 percent of the minimum period of responsibility.

Requirements

The permittee must commit to the 80/60 rule and the tree and shrub sampling program.

HYDROLOGY

Findings of Permit Deficiency
(Proposed Plan)

The proposed plan does not completely and accurately reflect the requirements of the design criteria for sediment control structures (i.e., all impoundments/sediment ponds). Some of the significant information relative to the sediment control structures that is missing and must be included:

1) Stage capacity curve.
2) Identification of maximum sediment storage and cleanout elevations based on data.
3) Stage discharge curve.
4) Maintenance plan.
5) Justification of the postmining land use with a letter from the land owner. If livestock is the postmining land use of this structure, it must be designed with this in mind (i.e., 5:1 sloped ramps for entry into the pond).
6) Design for the stock watering pond found in the Right fork of Bryner Canyon.

Regulations Cited

R645-301-732.200. Sedimentation Ponds

732.210. Sedimentation ponds whether temporary or permanent, will be designed in compliance with the requirements of R645-301-356.300, R645-301-356.400, R645-301-513.200, R645-301-742.200 through R645-301-742.240, and R645-301-763. Any sedimentation pond or earthen structure which will remain on the proposed permit area as a permanent water impoundment will also be constructed and maintained to comply with the requirements of R645-301-743, R645-301-533.100 through R645-301-533.600, R645-301-512.240, R645-301-514.310 through R645-301-514.321 and R645-301-515.200.

732.220. Each plan will, at a minimum, comply with the MSHA requirements given under R645-301-513.100 and R645-301-513.200.

733.200. Permanent and Temporary Impoundments.

733.210. Permanent and temporary impoundments will be designed to comply with the requirements of R645-301-512.240, R645-301-514.300, R645-301-515.200, R645-301-533.100 through R645-301-533.600, R645-301-733.220 through R645-301-733.226, R645-301-743.240, and R645-301-743. Each plan for an impoundment meeting the size or other criteria of the Mine Safety and Health Administration will comply with the requirements of 30 CFR 77.216-1 and 30 CFR 77.216-2. The plan required to be submitted to the District Manager of MSHA under 30 CFR 77.216 will be submitted to the Division as part of the permit application package. For an impoundment not meeting the size criteria of 30 CFR 77.216(a) and located where failure would not be expected to cause loss of life or serious property damage, the Division may establish through the Utah State program approval process engineering design standards that ensure stability comparable to a 1.3 minimum static safety factor in lieu of engineering tests to establish compliance with the minimum static safety factor of 1.3 specified in R645-301-533.100.

733.220. A permanent impoundment of water may be created, if authorized by the Division in the approved permit based upon the following demonstration:

733.221. The size and configuration of such impoundment will be adequate for its intended purposes;

733.222. The quality of impounded water will be suitable on a permanent basis for its intended use and, after reclamation, will meet applicable Utah and federal water quality standards, and discharges from the impoundment will meet applicable effluent limitations and will not degrade the quality of receiving water below applicable Utah and federal water quality standards;

733.223. The water level will be sufficiently stable and be capable of supporting the intended use;

733.224. Final grading will provide for adequate safety and access for proposed water users;

733.225. The impoundment will not result in the diminution of the quality and quantity of water utilized by adjacent or surrounding landowners for agricultural, industrial, recreational or domestic uses; and

733.226. The impoundment will be suitable for the approved postmining land use.

733.230. The Division may authorize the construction of temporary impoundments as part of coal mining and reclamation operations.

733.240. If any examination or inspection discloses that a potential hazard exists, the person who examined the impoundment will promptly inform the Division according to R645-301-515.200.

734. Discharge Structures. Discharge structures will be constructed and maintained to comply with R645-301-744.

Requirements

Submit a complete and accurate reclamation plan for the sedimentation ponds.

Findings Of Permit Deficiency
(Approved Plan)

The permit does not completely and accurately contain all the necessary design information for all reclaimed diversions.

Regulations Cited

R645-301-742.300 Diversions.

742.310. General Requirements.

742.311. With the approval of the Division, any flow from mined areas abandoned before May 3, 1978, and any flow from undisturbed areas or reclaimed areas, after meeting the criteria of R645-301-356.300, R645-301-356.400, R645-301-513.200, R645-301-742.200 through R645-301-

742.240, and R645-301-763 for siltation structure removal, may be diverted from disturbed areas by means of temporary or permanent diversions. All diversions will be designed to minimize adverse impacts to the hydrologic balance within the permit and adjacent areas, to prevent material damage outside the permit area and to assure the safety of the public. Diversions will not be used to divert water into underground mines without approval of the Division in accordance with R645-301-731.510.

742.312. The diversion and its appurtenant structures will be designed, located, constructed, maintained and used to:

742.312.1. Be stable;

742.312.2. Provide protection against flooding and resultant damage to life and property;

742.312.3. Prevent, to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow outside the permit area; and

742.312.4. Comply with all applicable local, Utah, and federal laws and regulations.

742.313. Temporary diversions will be removed when no longer needed to achieve the purpose for which they were authorized. The land disturbed by the removal process will be restored in accordance with R645-301 and R645-302. Before diversions are removed, downstream water-treatment facilities previously protected by the diversion will be modified or removed, as necessary, to prevent overtopping or failure of the facilities. This requirement will not relieve the permittee from maintaining water-treatment facilities as otherwise required. A permanent diversion or a stream channel reclaimed after the removal of a temporary diversion will be designed and constructed so as to restore or approximate the premining characteristics of the original stream channel including the natural riparian vegetation to promote the recovery and the enhancement of the aquatic habitat.

742.314. The Division may specify additional design criteria for diversions to meet the requirements of R645-301-742.300.

Requirements

The permit must contain accurate profiles and cross-sections of all proposed diversions whether it be to capture a seep or established drainage. A hydrology map showing all sub drainages contributing to each channel is required where the diversions capture surface-water runoff. Diversions capturing springs or seeps and no surface runoff be sized based on expected flow. These areas are not all included within the permit area as shown.

All data used to determine slopes, drainage areas, velocities, cross-sections, etc. must be combined into a table corresponding to referenced numbered diversions and/or specific sections of diversions on a Plate.

The reclaimed channel profiles shown on Plate 3-10 are not accurate and do not reflect actual conditions as shown in the new plan.

The use of check dams in all miscellaneous diversions using Figure 3-10 does not work. The permittee is using a generic design developed by a hydrologist at the Division (referenced from Burchard Heede's design parameters) but not considering the design parameters of each diversion (i.e., design calls for a structure 24-30 inches high when the ditches described in the plan are 12 inches deep).

The permit fails to correctly identify the extent of reclaimed drainages in profiles or on plates (i.e., outlet of the sediment pond just ends at the end of the plate without showing how it will join with the creek).

The permittee must correct the above deficiencies. All changes and deletions must be made throughout the permit so as not to contain contradictory information.

ORDER

It is hereby ordered that Mountain Coal Company make the requisite permit changes in accordance with R645-303-220 and submit a complete application for permit change, and submit complete and accurate information for reclamation of the Gordon Creek #2, #7 & #8 Mines by no later than August 28, 1992.

Ordered this 30 day of July, 1992, by the Division of Oil, Gas, and Mining.

Lowell P. Braxton for

Dianne R. Nielson, Director
Division of Oil, Gas and Mining

A:\DIVIORDE.GC2

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

June 22, 1992

Mr. Dan Guy, Manager
Mountain Coal Company
P.O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

Re: Division Order DO-91A Response Reviews, Gordon Creek #2, #7, and #8 Mines, ACT/007/016-DO-91A, Folder #2, Carbon County, Utah

Enclosed please find the reviews of your responses to the above-noted Division Order. If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure:

an equal opportunity employer

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

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

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

June 22, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist

RE: Division Order DO-91A Response Review, Gordon Creek #2, #7 and #8 Mines, ACT/007/016, Folder #2, Carbon County, Utah

SYNOPSIS

The permittee has responded (received May 7, 1992) to Division Order DO-91A. Many issues which were not adequately addressed in the permittee's response remain unresolved. The majority of the issues include unsubstantiated claims, incomplete analysis of the reclamation procedures, and a disregard for regulatory and permitting requirements.

The forthcoming review includes Division Order deficiencies and deficiencies noted during this writer's comprehensive review of the reclamation plan for the #2, #7 and #8 Mines.

TECHNICAL ANALYSIS

R645-301-233. Topsoil Substitutes and Supplements

1) On page 8-27 of the Permit Application Package (PAP) the permittee commits to collecting and analyzing spoil material by dividing the mine site into ten square meter grid sections and randomly sampling the soil/spoil from 10% of the grids. The results from the soil/spoil laboratory analyses will be employed to determine the suitability of the proposed substitute topsoil material (fill material) for the #2 Mine. Additionally, as a means of identifying the extent of unsuitable material (i.e., Sodium Absorption Ratio >12) in the vicinity of soil sample site location #3 (Plate 8-1a), soil samples will also be collected and analyzed.

The PAP specifically states that the collection and analysis will proceed "within ninety days of reclamation." If one considers the first date of seeding to be no earlier than September 1, 1992 (page 3-88A of the Division Order) then soil/spoil sample collection should have occurred during the month of June, 1992.

The soil/spoil sampling plan outlined in the PAP has not been implemented to date (personal communication with Mr. Dan Guy). Nor has the permittee submitted, for Division approval, alternative proposals for the collection and laboratory analysis of soil/spoil material.

The permittee must implement the approved soil/spoil sampling plan immediately.

2) On page 3-38 of the PAP the operator states topsoil will not be redistributed on slopes that a exceed 70 percent (approximately 1.5h:1v slopes). However, the permittee does not describe, identify or physicochemically characterize the plant growth material which will remain on slopes greater than 70 percent.

The permittee must therefore substantiate the suitability the aforementioned material as a substitute topsoil material for final reclamation. In addition, the permittee must depict, on an appropriate map or plate, the areas which will not have topsoil redistributed on the surface.

R645-301-242. Soil Redistribution

The Division believes that in many circumstance were large textural difference exist between the regraded spoil and the redistributed topsoil abrupt interfaces are created. These interfaces tend to increase the lateral movement of percolating soil water which may form failure planes and induce chemical hard pans. Therefore, spoil material must be deep ripped to at least 12 inches below the spoil surface. In addition, suitable regraded spoil and the initial lift of soil material (i.e., 6 inches) should be deep ripped simultaneously to avoid the creation of an impenetrable interface between the soil and spoil material.

On page 3-85 and 8-31 of the PAP the permittee commits to breaking up surface clods. The Division believes that clod dissipation is unnecessary in areas where seed will be broadcast and/or where the soil structural condition will not prohibit the operation of conventional drill seeding equipment and/or where their is an ample fine earth fraction.

R645-301-243. Soil Nutrients and Amendments

Page 3-85 of the PAP refers to gaining valuable information from the Gordon Creek No. 3 and No. 6 Mines to help determine the type(s) and rate(s) of fertilizer application. The applicant must submit a fertilizer and amendment plan which incorporates the information gained from the G.C. #3 and #6 Mines.

The permittee must also submit a fertilizer and amendment plan which includes the soil sampling procedure employed during final reclamation. This plan should include sampling frequency, and field and laboratory procedures employed.

R645-301-244. Soil Stabilization

The permittee must describe the mechanisms by which redistributed topsoil will be stabilized to effectively control erosion on slopes steeper than 3h:1v.

R645-301-553.700. Backfilling and Grading

The permittee's proposal to retain highwalls at the No. 2 Mine is unacceptable for the following reason:

1) The claim that the fill material is not available because of contamination. The PAP contain no physicochemical data or fill profile descriptions which substantiates this claim. In fact the fill material in question was originally estimated (page 3-45, revision date: 8/10/89) to contain no more than two percent (by volume) contaminated material and was also proposed as a substitute topsoil for final reclamation. In the permittee's response to the Division Order, estimated volume of contaminated material increases to 10-20%. No information or calculations are provided to indicate how this estimate was revised or derived.

2) On page 3-83.1 of the PAP (revised 8/10/89) the permittee states that "...most of the mine site [No. 2 Mine] is located in the canyon bottom and there are no obvious rock ledge outcrops, no problems are anticipated in recovering the require amount of material..." In the response to the Division Order, the permittee claims that "Slopes to the canyon bottom are extremely steep and represent extremely hazardous areas on which to operate machinery." These two statements are contradictory.

   In addition, if the material which comprises the No. 2 Mine yard is fill material, excavation down to the original surface can be controlled through backfilling and grading designs. These designs could easily prevent hazardous operating conditions for machinery operators.

3) The permittee claims that there are natural rock ledges in the area. The area immediately surrounding the mine site does not contain, to my knowledge, natural cliff faces.

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

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

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

June 19, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jesse Kelley, Reclamation Engineer JK

RE: Review of Revised Reclamation Plan, Mountain Coal Company, Gordon Creek #2, #7 & #8 Mine, ACT/007/016, Folder #2, Carbon County, Utah

SYNOPSIS

Mining operations ceased at this site in December of 1990. From that time until early 1992, the Division and the operator had a number of discussions to try to resolve several problems with the reclamation plan prior to the actual commencement of reclamation activities.

Among the problems with the reclamation plan was the presence of highwalls, the reclamation of which the reclamation plan did not adequately provide for under the R645 rules. On June 6, 1991, the Division issued Division Order DO-91A, which required that the operator make proper provision for reclamation of the highwalls. On May 7, 1992, partly in response to DO-91A and partly in response to the Division's other concerns, the operator submitted a completely revised reclamation plan. This memorandum is this writer's review of the revised reclamation plan.

ANALYSIS

The revised reclamation plan is still inadequate for three reasons.

First, the operator fails to demonstrate that there is not enough "reasonably available" material to completely reclaim the highwalls in the No. 2 portal area, as required by R645-301-553.520. The operator simply states, on page 3-77 of the revised plan, that the available material is some distance from the highwalls, that it is located in a difficult area in which to operate equipment, and that it may be contaminated with coal. None of these is adequate reason for not using all the available material for complete reclamation of the No. 2 highwalls.

Second, the operator states, on page 3-78 of the revised reclamation plan, that it is his intention to only partially reclaim the No. 7 highwall. He bases his intention on a stability analysis done by J.F.T. Agapito & Associates, Inc. of Grand Junction, Colorado, which is included in the revised reclamation plan as Appendix 12. This study concludes that, due to the material properties and geometric constraints peculiar to this site, it is not possible to completely reclaim the No. 7 highwall. The study further proposes a range of possible slopes for the highwall fill, one group based on a safety factor of 1.3 and another group based on a safety factor of 1.5. The operator bases the final highwall fill geometry on the slopes where the assumed safety factor is 1.5. But the required safety factor is not 1.5, but 1.3 (see R645-301-553.130). And according to the Agapito study, this might make it possible, given adequate room in the canyon bottom, to reclaim much more of the No. 7 highwall without greatly increasing the slope of the fill. The operator must explore this possibility and provide a more complete discussion of it in the reclamation plan.

Third, the operator states, on pages 3-77B and 3-81 of the revised reclamation plan, that there are some "minor seeps" in the highwall areas and that these seeps will be allowed to flow over the fill by way of armored channels. It has been the writer's understanding that all of these seeps would be covered by fill material and would therefore have to be channelled through a layer of permeable material in order to prevent them from jeopardizing the stability of the fills. The operator needs to provide more information about the seeps, including exactly where they appear on the highwalls, their respective flow volumes, and whether or not they will have the potential to destabilize the highwall fills.

RECOMMENDATIONS

It is recommended that the operator provide the required additional information relative to the reclamation plan.

jbe
GCREC.MEM

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

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

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

June 19, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Susan M. White, Reclamation Biologist SMW

RE: Review of Gordon Creek #2, #7 and #8 Reclamation Plan, Mountain Coal Company, Gordon Creek #2, #7 & #8 Mines, ACT/007/016, Folder #2, Carbon County, Utah

Synopsis

The reclamation plan received by the Division on May 7, 1992 in response to Division Order DO-91A was reviewed as it pertains to biology and land use. Numerous deficiencies are noted below.

Analysis

The below listed deficiencies must be resolved prior to reclamation.

1) Page 3-85 and 3-88 the permittee states that seedbed preparation on less than 40% slopes will include discing or harrowing to be followed by drill seeding. It has been the Division's experience that discing and drill seeding reduce surface roughness and therefore, vegetative success. Gouging or ripping areas should be sufficient seedbed preparation. The Division would be receptive to approving broadcast seeding (hydroseeding is a form of broadcast seeding) followed by light raking as the seed application method for the entire site.

2) The permittee must commit to raking all broadcast seeded areas.

3) A commitment must be made to use erosion control matting on all slopes steeper than 2:1. Hydromulch has not been shown to be adequate to control erosion and/or establish vegetation on these steep slopes.

4) Page 3-90 and 3-91 describes the permanent reclamation seed mixture. Please change or correct the following.

   a) Northern milkvetch is what species of Astragalas? Northern sweetvetch, Hedysarum boreale, is desirable in reclamation seedings and may be available if ordered now.

   b) Eriogonum corymbosum is a shrub, the common name is not Purple Daisy Fleabane. Please check as to availability of E. corymbosum prior to adding to the list.

   c) "Bandera" Rocky Mountain Penstemon, Penstemon strictus, may be better suited to the elevation than Palmer pensemon.

   d) The seed application rate for Bitterbrush and Mountain Mahagany provide for only .17 and .6 seeds per square foot, respectively. Please increase these seed rates.

   e) "Hobble Creek" big sagebrush, Artemisia tridentata ssp. vasseyana is a newly released sagebrush that is very robust and palatable. Please substitute this for A. t. ssp. tridentata as listed.

   f) The entire seeding rate (except Bitterbrush and Mountain Mahogany) is high and should be reduced by about 25 percent.

5) All seed should be ordered now. If ordered now, seed can be tested to insure that it conforms to all state and federal seed laws prior to ground application.

6) Shrub ordering may already be to late to obtain all the desired species. I suggest that the operator order the shrubs now.

7) The operator has proposed an entirely new vegetative standard for success. These success standards do not comply with the standards required for the stated postmining land use. Please correct.

8) The proposed "stock" watering pond and permanent impoundment designs must be endorsed by the Division of Wildlife Resources since the postmining land use is wildlife habitat.

9) Numerous springs are on site. Please submit an augmented seed and/or planting plan for these critical habitat.

Recommendation

The operator must correct the above noted problems with the proposed reclamation plan. If the operator desires, I would be available to meet and discuss success standards.

The operator should also be reminded that approval of these current proposed changes will require changes to the remainder of the permit so as not to contain contradictory information.

jbe
007016.RGC

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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

June 3, 1992

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Thomas Munson, Senior Reclamation Hydrologist

RE: Reclamation Plan, Mountain Coal Company, Gordon Creek #2, #7, and #8 Mines, ACT/007/016, Folder #2, Carbon County, Utah

Synopsis

The Division received a reclamation only plan on the Gordon Creek #2, #7, and #8 Mines on May 7, 1992. The review on this plan will incorporate, where appropriate, the necessary data from the original plan.

Analysis

The initial cursory review of this plan for the hydrology portion of the Reclamation plan indicated that the plan has left out some significant information, regarding design calculations for the diversions and the ponds.

Ponds

1) No stage capacity curve.
2) No identification of maximum sediment storage and cleanout elevations based on data.
3) No stage discharge curve.
4) No maintenance plan.
5) No justification of post-mining use with a letter from the land owner. If livestock is the post-mining use of this structure then it must be designed with this in mind (i.e., 5 to 1 sloped ramps for entry into the pond).
6) No design for the stock watering pond found in the Right fork of Bryner Canyon.

Diversions

The overall plan has changed enough from the originally proposed plan that the Hydrology section is extremely confusing and it is a recommendation that the operator be required to revamp and reorganize this section of the plan to

remove any information which does not apply. It is also a recommendation that the operator supply accurate profiles and cross-sections of all proposed diversions whether it be to capture a seep or established drainage. A hydrology map showing all sub drainages contributing to each channel will be required where the diversion captures surface-water runoff. Diversions capturing just springs or seeps and no surface runoff can be sized based on expected flow.

All data used to determine slopes, drainage areas, velocities, cross-sections, etc., must be combined into table corresponding to referenced numbered diversions and/or specific sections of diversions on a Plate.

The reclaimed channel profiles shown on Plate 3-10 are not accurate and do not reflect actual conditions as shown in the new plan.

The use of check dams in all miscellaneous diversions using Figure 3-10 does not work. The operator is using a generic design put together by a hydrologist at the Division (referenced from Burchard Heede's design parameters) without even looking at the design parameters of each diversion (i.e., design calls for a structure 24-30 inches high when the ditches described in the plan are 12 inches deep.)

The plan fails to identify correctly extent of reclaimed drainages in profiles or on Plates (i.e., outlet of the sediment pond just ends at the end of the Plate without showing how it will join with the creek.)

Recommendations

Overall, the plan has many loose ends and inaccurate representations between the old plan and the new plan and therefore, it is my recommendation that a totally new hydrology plan be assembled, deleting all the inappropriate information from the old plan. A new plan then be put together with all the necessary information. My review has been somewhat cursory in nature and based on the number of inconsistencies found, as well as, missing information, makes it imperative that more time and energy be put into the assembly of this document before a formal review can take place.

jbe
DGGC

WATER MONITORING

TABLE 7-17
SURFACE WATER MONITORING PROGRAM
GORDON CREEK No. 2 and No. 7 MINES

STATION	LOCATION	TYPE	FREQUENCY	FLOW DEVICE	RESULTS TO:	REMARKS
2-1-W	Discharge of Sediment Pond	NPDES Discharge	Monthly or as Occurs	Hand-Held Flow Device	EPA, DOGM	Monitored per NPDES Permit
2-2-W	North Fork Gordon Creek	Intermittent Stream	Monthly Flow Quarterly Quality	Portable Flume or Current Meter	DOGM, OSM	
2-3-W	Lower Beaver Creek	Perennial Stream	Continuous Flow Bi-annual Quality	Parshall Flume	DOGM, OSM	Flow when accessible
2-4-W	Upper Beaver Creek	Perennial Stream	Continuous Flow Bi-annual Quality	Parshall Flume	DOGM, OSM	Flow when accessible
2-5-W	Jewkes Spring in Beaver Creek	Spring	Bi-annual Quality and Quantity	Hand-Held	DOGM, OSM	Flow when accessible Flow Device
2-6-W	Gunnison Homestead Spring	Spring	Bi-annual Quality and Quantity	Portable Flume	DOGM, OSM	Flow when accessible
2-7-W	Lf.Fk.Bryner Canyon above #7 Mine	Ephemeral Stream	Quarterly Flow and Quality	Portable Flume	DOGM, OSM	
2-8-W	Rt.Fk Bryner Canyon above #2 Mine	Ephemeral Stream	Quarterly Flow and Quality	Portable Flume	DOGM, OSM	
2-9-W	Bryner Canyon below #2 Mine	Ephemeral Stream	Quarterly Flow and Quality	Staff Gauge Portable Flume	DOGM, OSM	
2-10-W	Inflow to Sediment Pond 7A	Ephemeral Stream	Quarterly Flow and Quality	Hand-Held Flow Device	DOGM, OSM	

BLACKHAWK ENGINEERING, CO.

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

January 29, 1993

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

Dear Ms. Littig:

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

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

Respectfully,

Dan W. Guy
President

DWG/cr

Enclosures

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

E.I.S. Hydrology
Field Measurements Form

Date 10/22/92 Station # 2-1W

Company MH Coal

Time 10:30

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

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

E.I.S. Hydrology
Field Measurements Form

Date 11/17/92 Station # 2-1W

Company M. Coal

Time 9:40

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

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

E.I.S. Hydrology
Field Measurements Form

Date 12/7/92 Station # 2-1W

Company M.N. Coal

Time 10:40

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 M A Connor

When Sample or Measurements Not Taken:

Reason: D

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

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-1W
Location: Sed. Pond Discharge
Type: NPDES
Frequency: Monthly

	Date Sampled										
Field Measurements	01/06/92	02/26/92	03/30/92	04/01/92	05/16/92	06/09/92	07/08/92	08/25/92	09/03/92	10/22/92	11/17/92
Flow [gpm]	DRY	N/A	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											
CaCO3											
Hd CaCO3											
Ac CaCO3											
HCO3											
CO3											
Cl											
SO4											
Ca											
Mg											
K											
Na											
Cat/An											
Fe											

12/07/92	MEAN
DRY	DRY

E.I.S. Hydrology
Field Measurements Form

Date 10/22/92 Station # 2-2(e)

Company MH Coal

Time 10:10

Flow/Depth 38 gpm

pH 8.29

Specific Conductivity 640

Water Temperature 9

Air Temperature 68

Dissolved Oxygen 9

Type: Spring___ Stream ✓ Well___ Discharge___ NPDES___

Collection Point Pump House

Appearance of Water: Clear ✓ Milky___ Cloudy___ Opaque___

Quality Sample Taken: Yes___ No ✓

Pump Reading

Comments

Field Monitor M. P. Connor

When Sample or Measurements Not Taken:

Reason: N/R

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

E.I.S. Hydrology
Field Measurements Form

Date 11/17/92 Station # A-2W

Company MK Coal

Time 9:10

Flow/Depth 47gpm

pH 8.1

Specific Conductivity 729

Water Temperature 8

Air Temperature 81

Dissolved Oxygen 8

Type: Spring___ Stream ✓ Well___ Discharge___ NPDES___

Collection Point Below Pump house

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: N/R.

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

E.I.S. Hydrology
Field Measurements Form

Date 12/07/92 Station # 2-SW

Company M. Leal

Time 10:10

Flow/Depth 38

pH 8.2

Specific Conductivity 700

Water Temperature 4° (40°)

Air Temperature 18°

Dissolved Oxygen 8

Type: Spring___ Stream ✓ Well___ Discharge___ NPDES___

Collection Point Below Pump house

Appearance of Water: Clear ✓ Milky___ Cloudy___ Opaque___

Quality Sample Taken: Yes ✓ No___

Pump Reading

Comments

Field Monitor

When Sample or Measurements Not Taken:

Reason:

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

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

CLIENT:	EIS	DATE REPORTED:	12/23/92
ID:	2-2W		
SITE:	Mountain Coal	DATE RECEIVED:	12/11/92
LAB NO:	F1451	DATE COLLECTED:	12/07/92

Lab pH (s.u.).....	8.25
Lab Conductivity, umhos/cm @ 25C....	734
Lab Resistivity, ohm-m.....	13.6
Total Dissolved Solids (180C), mg/L.	458
Total Dissolved Solids (calc), mg/L.	435
Total Suspended Solids, mg/L.....	8
Total Alkalinity as CaC03, mg/L.....	295
Total Hardness as CaC03, mg/L.....	392
Sodium Adsorption Ratio.....	0.14
Oil and Grease (IR), mg/L.....	<0.26

	mg/L	meq/L
Bicarbonate as HC03.....	361	5.91
Carbonate as C03.....	<0.10	<0.01
Chloride.....	11.3	0.32
Sulfate.....	108	2.25
Calcium.....	87.7	4.38
Magnesium.....	42	3.46
Potassium.....	2.6	0.07
Sodium.....	6.5	0.28
Major Cations.....		8.18
Major Anions.....		8.47
Cation/Anion Difference.....		1.75 %

Trace Metals by AA (Total Concentration), mg/L

	Analytical Result:	Detection Limit:
Iron (Fe).....	0.13	<0.05
Manganese (Mn).....	0.02	<0.02

ND - Analyte "not detected" at the stated detection limit.

Wanda Orso
Water Lab Supervisor

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-2-W
Location: N. Fork Gordon
Type: P. Stream
Frequency: Monthly-Quarterly

Field Measurements	Date Sampled 01/06/92	02/26/92	03/30/92	04/01/92	05/06/92	06/09/92	07/08/92	08/25/92	09/03/92	10/22/92	11/17/92
Flow [gpm]	79.00	164.00	230.00	139.00	189.00	156.00	62.00	47.00	39.70	38.00	47.00
PH	7.90	8.00	7.90	7.90	7.80	8.18	8.00	8.10	7.80	8.79	8.10
Sp.Con. [ohms]	310.00	60.00	460.00	310.00	450.00	581.00	600.00	411.00	650.00	640.00	729.00
Temp [C]	1.00	1.00	3.00	1.00	4.00	8.00	11.00	10.00	12.00	9.00	8.00
Diss. O. [ppm]	6.00	9.00	8.00	8.00	9.00	9.00	9.00	9.00	9.00	9.00	8.00

Lab. Meas. [mg/l]	Date Sampled 02/26/92	06/08/92	09/03/92	12/07/92	Mean
TDS	473.00	288.00	386.00	435.00	395.50
TSS	7.00	27.00	8.00	8.00	12.50
O & G	2.97	<0.25	<0.25	<0.26	0.74
CaCO3	315.00	203.00	243.00	295.00	264.00
Hd CaCO3	431.00	255.00	360.00	392.00	359.50
Ac CaCO3	0.00	0.00	0.00	0.00	0.00
HCO3	384.00	248.00	296.00	361.00	322.25
CO3	0.00	0.00	0.00	<0.10	0.00
Cl	28.20	7.53	11.40	11.30	14.61
SO4	106.00	56.20	103.00	108.00	93.30
Ca	78.50	59.30	70.30	87.70	73.95
Mg	57.30	25.90	44.90	42.00	42.53
K	7.41	2.10	2.75	2.60	3.72
Na	6.90	10.50	6.10	6.50	7.50
Cat/An	1.03	1.40	1.45	1.75	1.41
Fe	0.11	0.67	0.46	0.13	0.34
Mn	0.04	0.02	0.04	0.02	0.03

12/07/92	MEAN
38.00	102.39
8.20	8.06
700.00	285.00
4.00	6.00
8.00	8.42

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

TOTAL OIL and GREASE
EPA Method 413.2

EIS

Project ID:	Mountain Coal/Beaver Creek	Report Date:	12/18/92
Sample Matrix:	Water	Date Sampled:	12/07/92
Preservative:	Cool	Date Received:	12/11/92
Condition:	Intact	Date Extracted:	12/17/92
		Date Analyzed:	12/18/92

Sample ID	Lab ID	Concentration (mg/L)	Detection Limit (mg/L)
2-2W	1451	ND	0.26

ND- Analyte not detected at the stated detection limit.

Reference: Method 3510 - Separatory Funnel Liquid - Liquid Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 413.2, Oil and Grease, Total Recoverable; Chemical Analysis of Waste Water, United States Environmental Protection Agency, 1978

Comments:

Analyst

Review

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

EIS

Sample # 1444-1447, 1451

Analysis	Date analyzed	Technician
TSS	12/14/92	S. Groves
H2S		
Conductivity	12/14/92	T. Adkins
pH/Alkalinity	12/14/92	T. Adkins
Total Hardness	12/15/92	T. Adkins
Calcium	12/15/92	L. Encarnacion
Magnesium	12/15/92	L. Encarnacion
Potassium	12/16/92	S. Groves
Sodium	12/16/92	S. Groves
Chloride	12/16/92	T. Adkins
Sulfate	12/16/92	T. Adkins
TDS	12/15/92	S. Groves
Fluoride		
NO3/NO2		
NH3		
Oil & Grease	12/18/92	J. Thomas
Metals (Total)		
As		
Cd		
Hg		
Pb		
Se		
Al		
B		
Ba		
Cr		
Cu		
Fe	12/15/92	L. Encarnacion
Mn	12/15/92	L. Encarnacion
Mo		
Ni		
P		
Zn		

E.I.S. Hydrology
Field Measurements Form

Date 12/7/92 Station # 2-3/4/5/6/W

Company Mt. Coal

Time 11:50

Flow/Depth Not accessable

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 Attempts where made on 11/22 and 12/7/92
4x4 Drive - road impassable at ½ mile above lower junction -

Field Monitor [signature]

When Sample or Measurements Not Taken:

Reason: N/a

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

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-3W
Location: Lower Beaver Cr.
Type: P. Stream
Frequency: Monthly-Flow; BiAnnual

Field Measurements	Date Sampled 01/26/92	02/26/92	03/30/92	04/00/92	05/00/92	06/09/92	00/00/92	00/00/92	00/00/92	00/00/92	00/00/92
Flow [gpm]	N/A	N/A	N/A	N/A	N/A	23.00			SEE GRAPH		
PH						8.17			"		
Sp.Con. [ohms]						667.00			"		
Temp [C]						5.00			"		
Diss. O. [ppm]						8.00			"		

Lab. Meas. [mg/l]	Date Sampled 06/09/92	12/07/92	Mean
TDS	288.00	N/A	
TSS	116.00		
O & G	N/R		
CaCO3	247.00		
Hd CaCO3	262.00		
Ac CaCO3	0.00		
HCO3	301.00		
CO3	0.00		
Cl	4.43		
SO4	20.00		
Ca	81.60		
Mg	14.10		
K	1.19		
Na	3.45		
Cat/An	0.60		
Fe	0.85		
Mn	0.09		

12/07/92	MEAN
N/A	

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-4-W
Location: Up. Beaver Cr.
Type: P. Stream
Frequency: Monthly-Flow; Biannual

Field Measurements	Date Sampled 01/06/92	02/26/92	03/30/92	04/00/92	05/00/92	06/09/92	00/00/92	00/00/92	00/00/92	00/00/92	00/00/92
Flow [gpm]	N/A	N/A	N/A	N/A	N/A	12.00			SEE GRAPH		
PH						8.10			"		
Sp.Con. [ohms]						634.00			"		
Temp [C]						5.00			"		
Diss. O. [ppm]						9.00			"		

Lab. Meas. [mg/l]	Date Sampled 06/09/92	12/07/92	Mean
TDS	256.00	N/A	
TSS	43.00		
O & G	N/R		
CaCO3	218.00		
Hd CaCO3	231.00		
Ac CaCO3	0.00		
HCO3	267.00		
CO3	0.00		
Cl	6.65		
SO4	15.00		
Ca	73.10		
Mg	11.80		
K	1.10		
Na	3.30		
Cat/An	0.76		
Fe	0.38		
Mn	0.06		

12/07/92	MEAN
N/A	

WATER MONITORING REPORT

Property: BCCC
Station: 2-5W
Location: Jewkes Spring
Type: Spring
Frequency: Bi-Annual

Field Measurements	Date Sampled 06/09/92	12/07/92	Mean
Flow [gpm]	5.50	N/A	5.50
PH	7.60		7.60
Sp.Con. [ohms]	626.00		626.00
Temp [C]	5.00		5.00
Diss. O. [ppm]	9.00		9.00
Lab. Meas. [mg/l]			
TDS	274.00		274.00
TSS	6.00		6.00
O & G	N/R		N/R
Al CaCO3	231.00		231.00
Hd CaCO3	246.00		246.00
Ac CaCO3	0.00		0.00
HCO3	282.00		282.00
CO3	0.00		0.00
Cl	5.32		5.32
SO4	21.80		21.80
Ca	76.20		76.20
Mg	13.50		13.50
K	1.16		1.16
Na	3.90		3.90
Cat/An	1.52		1.52
Fe	0.83		0.83
Mn	0.02		0.02

WATER MONITORING REPORT

Property: BCCC
Station: 2-6W
Location: Gunnison Spring
Type: Spring
Frequency: Bi-Annual

Field Measurements	Date Sampled 06/09/92	12/07/92	Mean
Flow [gpm]	2.00	N/A	2.00
PH	8.15		8.15
Sp.Con. [ohms]	647.00		647.00
Temp [C]	6.00		6.00
Diss. O. [ppm]	N/R		N/R

Lab. Meas. [mg/l]			
TDS	300.00		300.00
TSS	108.00		108.00
O & G	N/R		N/R
Al CaCO3	249.00		249.00
Hd CaCO3	272.00		272.00
Ac CaCO3	0.00		0.00
HCO3	304.00		304.00
CO3	0.00		0.00
Cl	9.31		9.31
SO4	25.10		25.10
Ca	85.60		85.60
Mg	14.30		14.30
K	1.06		1.06
Na	4.14		4.14
Cat/An	1.03		1.03
Fe	1.16		1.16
Mn	0.15		0.15

E.I.S. Hydrology
Field Measurements Form

Date 12/7/92 Station # 2-7W

Company M. Coal

Time 10:10

Flow/Depth Dry

pH

Specific Conductivity

Water Temperature

Air Temperature 28

Dissolved Oxygen NA

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

Collection Point Left fork above Mine

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: BCCC #2 Mine
Station: 2-7W
Location: Left Fork Bryner
Type: E. Stream
Frequency: Quarterly

Field Measurements	Date Sampled 2/26/92	06/09/92	08/26/92	12/07/92	Mean
Flow [gpm]	N/A	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [C]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
TDS					
TSS					
O & G					
Al CaCO3					
Hd CaCO3					
Ac CaCO3					
HCO3					
CO3					
Cl					
SO4					
Ca					
Mg					
K					
Na					
Cat/An					
Fe					
Mn					

E.I.S. Hydrology
Field Measurements Form

Date 12/7/92 Station # 2-8W

Company MH. Coal

Time 10:00

Flow/Depth D

pH

Specific Conductivity

Water Temperature

Air Temperature

Dissolved Oxygen

Type: Spring Stream Well Discharge NPDES

Collection Point RH fork

Appearance of Water: Clear Milky Cloudy Opaque

Quality Sample Taken: Yes No

Pump Reading

Comments

Field Monitor M. A. Coomof

When Sample or Measurements Not Taken:

Reason: D

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

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-8W
Location: Right Fork Bryner
Type: E. Stream
Frequency: Quarterly

Field Measurements	Date Sampled 02/26/92	06/09/92	08/26/92	12/07/92	Mean
Flow [gpm]	N/A	N/A	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [C]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
TDS					
TSS					
O & G					
Al CaCO3					
Hd CaCO3					
Ac CaCO3					
HCO3					
CO3					
Cl					
SO4					
Ca					
Mg					
K					
Na					
Cat/An					
Fe					
Mn					

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-9W
Location: Bryner Canyon Below
Type: E. Stream
Frequency: Quarterly

Field Measurements	Date Sampled 02/26/92	06/09/92	08/26/92	12/07/92	Mean
Flow [gpm]	N/A	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [C]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
TDS					
TSS					
O & G					
Al CaCO3					
Hd CaCO3					
Ac CaCO3					
HCO3					
CO3					
Cl					
SO4					
Ca					
Mg					
K					
Na					
Cat/An					
Fe					
Mn					

E.I.S. Hydrology
Field Measurements Form

Date 8/7/92 Station # 2-PW

Company MN Coal

Time 9:40

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 M E Campo

When Sample or Measurements Not Taken:

Reason: D

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

E.I.S. Hydrology
Field Measurements Form

Date 12/7/92 Station # S-10-W

Company MM Coal

Time 10:40

Flow/Depth Frozen

pH

Specific Conductivity

Water Temperature

Air Temperature

Dissolved Oxygen

Type: Spring ✓ Stream ✓ Well Discharge NPDES

Collection Point Inflow to Pond 7-4

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: F

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

WATER MONITORING REPORT

Property: BCCC #2 Mine
Station: 2-10W
Location: Inflow Sed. P. A.
Type: E. Stream
Frequency: Quarterly

Field Measurements	Date Sampled 02/26/92	06/09/92	08/26/92	12/07/92	Mean
Flow [gpm]	N/A	DRY	DRY	FROZEN	
PH					
Sp. Cond. [ohms]					
Temp. [C]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
TDS					
TSS					
O & G					
Al CaCO3					
Hd CaCO3					
Ac CaCO3					
HCO3					
CO3					
Cl					
SO4					
Ca					
Mg					
K					
Na					
Cat/An					
Fe					
Mn					

U.P.D.E.S.

DISCHARGE DATA

BLACKHAWK ENGINEERING, CO.

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

January 29, 1993

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

Dear Ms. Franklin:

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

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

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

Respectfully,

Dan W. Guy
President

Enclosures

cc: Kathy Welt

DWG/cr

BLACKHAWK ENGINEERING, CO.

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

January 29, 1993

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

Dear Mr. Braxton:

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

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

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

Respectfully,

Dan W. Guy
President

DWG/cr

Enclosures

cc: Kathy Welt
File

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

January 22, 1993

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

Re: New UNPDES Forms

Dr. Hilden:

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

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

The new forms need to be changed as follows:

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

ATTN: Kathleen Welt

The property locations are as follows:

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

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

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

ATTN: Melvin A. Coonrod

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

Sincerely,

Melvin A. Coonrod

Melvin A. Coonrod

MC/njc

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

PERMITTEE [redacted] ADDRESS (Include Facility Name, [redacted] if different)
NAME R[redacted]R CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1378
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

NATIONAL POLL[redacted]DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]MONITORING REPORT (DMR)

(2-16)	(17-19)
UTG040004	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL
SED PND OTFLL-NO FRK/GRDN CRK

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

*** NO DISCHARGE [X] ***

MINOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW RATE	SAMPLE MEASUREMENT				******	******	******				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	******	******	******	**** ****		[redacted]CE/ [redacted]MONTH	[redacted]
PH	SAMPLE MEASUREMENT	******	******			******					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		[redacted]ICE/ [redacted] MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******						
00530 2 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	25 30 DA AV	70 DAILY MX	MG/L		[redacted]CE/ [redacted] MONTH	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******					
00545 8 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		[redacted]CE/ [redacted] MONTH	
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	10 DAILY MX	MG/L		[redacted]CE/ [redacted] MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******					
01045 1 0 0 EFFLUENT GROSS VALUE	[redacted]	[redacted]	[redacted]	*** ****	[redacted]	[redacted]	2.0 DAILY MX	MG/L		[redacted]CE/ [redacted] MONTH	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	******			******	******	******				
45613 1 0 0 EFFLUENT GROSS VALUE	[redacted]			BS=1 NO=0	[redacted]	[redacted]	******	**** ****		[redacted]CE/ [redacted] MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	Dan W. Guy SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	303	9295015	93	01	29
TYPED OR PRINTED			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 "DOES NOT APPLY" IN THE APPROPRIATE ROW.

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

NAME BEAVER CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1370

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

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

MINOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-68)	SAMPLE TYPE (69-70)
SANITARY WASTE DISCHARGED-ASSESSMNT 45610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******			******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******			******	******					
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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.)

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
303	929 5015	93	01	29
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 "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BEAVER CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1379
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

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

(2-16) UTG040004 — PERMIT NUMBER
(17-19) 001 A — DISCHARGE NUMBER

F - FINAL
SED PND OTFLL-WO FRK/GRDN CRK

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	11	01	TO	92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [X] ***

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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 SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Dan W. Guy SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	303	29 5015	93	01	29
TYPED OR PRINTED		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 "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE N[illegible] ADDRESS (Include Facility Name/L[illegible] if different)

NAME BE[illegible]R CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUT[illegible]ISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHAR[illegible]ONITORING REPORT (DMR)

(2-1[illegible])	(17-19)
UTG040004	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	11	01	TO	92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Kathleen Welt Environmental Supervisor	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY [illegible] AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; [illegible] ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPO[illegible] FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED [illegible]ION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THE[illegible] SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, [illegible]UDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Dan W. Guy SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	303	929 5015	93	01	29
TYPED OR PRINTED			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 N[illegible] ADDRESS (Include Facility Name/Lo[illegible] (if different)

NAME BE[illegible]R CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1379

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUT[illegible] SCHARGE ELIMINATION SYSTEM (NPDES)

DISCHAR[illegible] ONITORING REPORT (DMR)

(2-1[illegible]) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

*** NO DISCHARGE [X] ***

MONITORING PERIOD

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

MINOR

NOTE: Read instructions before completing this form.

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

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 AREA CODE	NUMBER	DATE YEAR	MO	DAY
303	929 5015	93	01	29

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

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

PERMITTEE N[illegible]DDRESS (Include Facility Name/Lo[illegible] different)

NAME BEAV[illegible]R CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUT[illegible]SCHARGE ELIMINATION SYSTEM (NPDES)

DISCHAR[illegible]ONITORING REPORT (DMR)

(2-16)	(17-19)
UTG040004	001 A
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

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

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	[signature] SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	303	929 5015	93	01	29
TYPED OR PRINTED			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 "DOES NOT APPLY" IN THE APPROPRIATE ROW.

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

October 30, 1992

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

Dear Mr. Hilden:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the third quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

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

October 30, 1992

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

Dear Ms. Franklin:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the third quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

October 30, 1992

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

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the pre-printed DMRs provided by the State of Utah, and cover the third quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

NAME BEAV[illegible] CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

F - FINAL

SRD END OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	07	01	TO	92	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Dan W. Guy Chief Engineer	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	Dan W. Guy SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	801 (AREA CODE)	637-7742 (NUMBER)	92 (YEAR)	10 (MO)	29 (DAY)
TYPED OR PRINTED						

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 NA[illegible]DRESS (Include Facility Name/Loca[illegible]ferent)
NAME BEAV[illegible] CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1378
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTA[illegible]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[illegible]NITORING REPORT (DMR)

(2-16)	(17-19)
UTG040004	001 A
PERMIT NUMBER	DISCHARGE NUMBER

P - FINAL
SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	07	01	TO	92	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Dan W. Guy Chief Engineer	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	Dan W. Guy SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	801 637-7742 AREA CODE NUMBER	92 10 29 YEAR MO DAY		
TYPED OR PRINTED						

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 BEAV[illegible] CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1379

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

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

(2-16) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

P - FINAL

SED POND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
92	08	01	92	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW RATE	SAMPLE MEASUREMENT	NO DISCHARGE			******	******	******				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/ MONTH	MEASRD
PH	SAMPLE MEASUREMENT	******	******			******					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	25 30 DA AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******					
00545 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	******			******	******	******				
05613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/ MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 801, NUMBER 637-7742

DATE: YEAR 92, MO 10, DAY 29

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

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

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

NAME BEAV[illegible] CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

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

(2-16) UTG040004 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
92	08	01	92	09	31

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 801, NUMBER 637-7742

DATE: YEAR 92, MO 10, DAY 29

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

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

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

NAME BEAV[illegible] CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040004 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO PRK/GRDN CRK

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
92	09	01	92	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW RATE	SAMPLE MEASUREMENT	NO DISCHARGE			******	******	******				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	******	******	****** ****	****		ONCE/ MONTH	MEASRD
PH	SAMPLE MEASUREMENT	******	******			******					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	6.5 DAILY MN	******	9.0 DAILY MX	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	****** ****	****	******	25 30 DA AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******					
00545 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	****** ****	****	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	******	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	******	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	******			******	******	******				
45513 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	****** ****	****		ONCE/ MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 801 NUMBER 637-7742

DATE: YEAR 92 MO 10 DAY 29

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

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

NAME BEAVER CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

F - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	09	01	TO	92	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 801 — NUMBER 637-7742

DATE: YEAR 92 — MO 10 — DAY 29

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

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

July 30, 1992

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

Dear Mr. Hilden:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the second quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

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

July 30, 1992

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

Dear Ms. Franklin:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the second quarter of 1992.

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

Respectfully,

Dan W. Guy

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

July 30, 1992

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

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the pre-printed DMRs provided by the State of Utah, and cover the second quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BEAVER CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1379
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

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

(2-16) UTG040004 — PERMIT NUMBER
(17-19) 001 A — DISCHARGE NUMBER

P - FINAL
SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

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

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Chief Engineer
TYPED OR PRINTED

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

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 BEAR CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

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

(2-16) UTG040004 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

P - FINAL

SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD

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

MINOR

NOTE: Read instructions before completing this form.

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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

Dan W. Guy

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

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

NAME BELL CREEK COAL--GRDN #2

ADDRESS P.O. BOX 1378

PRICE UT 84501

FACILITY

LOCATION

ATTN: DAN W. GUY, MANAGER

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

F - FINAL

SED PND DTFLL-NO FRK/GRDN CRK

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
UTG040004	001 A

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
92	05	01	92	05	31

MINOR

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FLOW RATE	SAMPLE MEASUREMENT	NO DISCHARGE			******	******	******				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	******	******			******					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******						
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	25 30 DA AV	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******					
00545 R 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FORM-VISUAL	SAMPLE MEASUREMENT	******			******	******	******				
45613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	YES=1 NO=0	******	******	******	**** ****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Dan W. Guy
Chief Engineer

TYPED OR PRINTED

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Dan W. Guy

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

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PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME BEA[illegible] CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1378
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUTA[illegible]SCHARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[illegible]ONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
UT0040004	001 A

F - FINAL
SED PND OTFLL-NO FRK/GRDN CRK

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******			******	******					
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Chief Engineer
TYPED OR PRINTED

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PERMITTEE NA[illegible]DDRESS (Include Facility Name/Loc[illegible]ifferent)
NAME BEA[illegible] CREEK COAL--GRDN #2
ADDRESS P.O. BOX 1378
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUT[illegible]SCHARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[illegible]ONITORING REPORT (DMR)

(2-16)	(17-19)
UTG040004	001 A
PERMIT NUMBER	DISCHARGE NUMBER

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SED PND OTFLL-NO FRK/SRDN CRK

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dan W. Guy
Chief Engineer
TYPED OR PRINTED

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Dan W. Guy
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AREA CODE	NUMBER	YEAR	MO	DAY

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NAME BEA[illegible] CREEK COAL--GRD# #2
ADDRESS P.O. BOX 1378
PRICE UT 84501

FACILITY
LOCATION
ATTN: DAN W. GUY, MANAGER

NATIONAL POLLUT[illegible]SCHARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[illegible]ONITORING REPORT (DMR)

(2-16)	(17-19)
UT0040004	001 A
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MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******			******	******					
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C § 1001 AND 33 U.S.C § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)		TELEPHONE		DATE		
Dan W. Guy Chief Engineer	Dan W. Guy	801	637-7742	92	07	15
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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2/7/8

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

April 29, 1992

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

Dear Mr. Hilden:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the first quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

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

April 29, 1992

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

Dear Ms. Franklin:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the preprinted DMRs provided by the State of Utah, and cover the first quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

April 29, 1992

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

Dear Mr. Braxton:

Enclosed please find Quarterly Discharge Monitoring Reports for Mountain Coal Company's UPDES Permit Numbers UTG040003, UTG040004, UTG040005, UTG040014 and UTG040015. These reports are on the pre-printed DMRs provided by the State of Utah, and cover the first quarter of 1992.

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

Respectfully,

Dan W. Guy
Manager Permitting/Compliance

DWG/cr

Enclosures

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

April 29, 1992

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

RE: NPDES Discharge Points
Mt. Coal Properties

Dear Mr. Guy:

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

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

Sincerely,

Melvin A. Coonrod njc

Melvin A. Coonrod

MC/njc

POND INSPECTIONS

POND INSPECTION REPORT

POND: #2

LOCATION: Gordon Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Slab
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	Spillway in place Water level at 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]

12/7/92
Date

POND INSPECTION REPORT

POND: #7A

LOCATION: Lowden Park

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

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

[illegible signature]

13/7/92
Date

POND INSPECTION REPORT

POND: [illegible]

LOCATION: [illegible]

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	[illegible]
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	[illegible]
(5) Recommendations/Comments	Pond Freeboard

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.

[illegible]

15/14/92
Date

E.I.S Hydrology
Pond Inspection Report

POND: 02-A

LOCATION: Loudon Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	Minor on inlet
(4) Construction and Maintenance Performance Standards	(Repair Erosion)
(5) Recommendations/Comments	No Discharge

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

Inspector

Date 9/8/92

E.I.S Hydrology
Pond Inspection Report

POND: 07

LOCATION: Gordon Creek

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

Inspector

Date 9/5/92

E.I.S Hydrology
Pond Inspection Report

POND: Lucas

LOCATION: Boulder Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Clean (Weeded) Very excellent
(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.

Inspector

Date 7/3/95

E.I.S Hydrology
Pond Inspection Report

POND: #2

LOCATION: Boulder Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	Pond @ 60% No Drainage

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 9/16/92

E.I.S Hydrology
Pond Inspection Report

POND: 7-A

LOCATION: Gordon Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good. 10" Water level
(5) Recommendations/Comments	No Discharge (Keep overflow)

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 8/16/92

E.I.S Hydrology
Pond Inspection Report

POND: Swoods

LOCATION: Borden Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stabel
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good - Pond full (1 Fish Seen)
(5) Recommendations/Comments	No Problems

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

6/10/92
Date

POND INSPECTION REPORT

POND: 2

LOCATION: Cowlin Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good - (upper end sed @ 30%
(5) Recommendations/Comments	Pond @ 60% 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]

3/30/95
Date

POND INSPECTION REPORT

POND: 7-A

LOCATION: Carlson Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	Pond @ 8" - 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.

[illegible signature]

6/30/95
Date

E.I.S Hydrology
Pond Inspection Report

POND: [illegible] LOCATION: [illegible]

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None
(4) Construction and Maintenance Performance Standards	Good
(5) Recommendations/Comments	Pond free of [illegible] [illegible] [illegible]

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.

[illegible]
Inspector

5/31/95
Date

E.I.S Hydrology
Pond Inspection Report

POND: #2

LOCATION: [illegible]

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	[illegible]
(3) Erosion	None - 8" Snow
(4) Construction and Maintenance Performance Standards	[illegible]
(5) Recommendations/Comments	8'8" to Top No Overflow

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.

[illegible]
Inspector

1/6/92
Date

E.I.S Hydrology
Pond Inspection Report

POND: # 7

LOCATION: Corsten Creek

ITEM	REMARKS
(1) Potential Safety Hazards	None
(2) Slope Stability	Stable
(3) Erosion	None in effidence
(4) Construction and Maintenance Performance Standards	Good Pond Channel 11/29/91
(5) Recommendations/Comments	10" Pron Depth 14" to 6" Ice - 7'4" From overflow

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 1/6/92

AIR QUALITY

SUBSIDENCE

SURVEY

R.D.N. SURVEYING
1315 HIGHLAND COURT
BOULDER CITY, NEVADA 89005
(702) 293-4913

November 30, 1992

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

Dear Mr. Guy:

Enclosed are copies of field notes, coordinates, and elevations of the subsidence survey at the Gordon Creek No. 2, No. 3, No. 6, No. 7 and No. 8 mines.

There was no significant amount of movement in any of the monitoring points. I am enclosing a list using your format for comparison of the elevations, latest change and accumulated change.

If I can be of any further assistance, please do not hesitate to call.

Sincerely yours,
R.D.N. Surveying

Richard A. Ariotti, R.L.S.

SUBSIDENCE MONITORING
GORDON CREEK #2 & BEAVER CREEK

STATION	ORIG. ELEV. 7/29/86	SURVEY ELEV. 10/27/86	8/16/87	10/2/88	10/15/89	10/12/90	9/28/91	10/10/92	CHANGES LATEST	CHANGES ACC.
SWEETS	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513		
"H"	8849.120	8849.120	8849.120	8845.010	8845.010	8845.010	8845.010	8845.010		
"A"	8653.167	8653.510	8653.553	8653.683	8653.683	8653.356	8653.553	8653.501	-0.052	0.334
"B"	8241.927	8242.048	8241.862	8242.026	8242.026	8242.056	8242.021	8241.995	-0.026	0.068
B-1	8542.205	8542.053	8542.250	8542.320	8542.320	8542.280	8542.332	8542.523	0.191	0.318
B-2	8557.768	8557.610	8557.780	8557.919	8557.919	8557.847	8557.925	8558.082	0.157	0.314
B-3	8571.868	8571.696	8571.837	8571.924	8571.924	8571.887	8571.952	8572.096	0.144	0.228
B-4	8594.970	8594.822	8594.959	8595.047	8595.047	8594.978	--------		--------	--------
B-5	8590.990	8590.851	8590.997	8591.048	8591.048	8591.019	8591.002	8591.261	0.259	0.271
B-6	8652.996	8652.852	8652.947	8653.055	8653.055	8653.028	8653.031	8652.949	-0.082	-0.047
B-7	8635.952	8635.884	8635.894	8635.787	8635.787	8636.023	8635.988	8635.949	-0.039	-0.003
B-8	8893.432	8893.356	8893.395	8893.503	8893.503	8893.426	8893.496	8893.378	-0.118	-0.054
B-9	8409.744	8409.870	8409.843	8409.897	8409.897	8410.405	8409.760	8409.799	0.039	0.055
B-10	8792.567	8792.619	8792.108	8792.682	8792.682	8792.466	8792.624	8792.365	-0.259	-0.202

SUBSIDENCE MONITORING
GORDON CREEK #7 MINE

STATION	ORIG. ELEV. 6/12/86	SURVEY ELEV. 9/24/86	10/14/86	8/15/87	10/1/88	10/14/89	10/12/90	9/28/91	10/10/92	CHANGES LATEST	CHANGES ACC.
SWEETS	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513	9174.513		
"H"	8849.120	8849.120	8849.120	8845.010	8845.010	8845.010	8845.010	8845.010	8845.010	0.000	-4.110
"I"	9040.049	9039.714	9039.697	9039.654	9038.291	9038.348	9038.188	9038.081	9038.155	0.074	-1.894
Sub-1	8295.284	8295.278	8295.312	8295.376	8295.160	8295.188	8295.330	8295.430	8295.297	-0.133	0.013
Sub-2	8416.227	8416.194	8416.206	8416.197	8416.179	8416.202	8413.558	8413.659	8413.619	-0.040	-2.608
Sub-4	9042.727	9042.740	9042.712	9042.751	9039.971	9040.078	9040.056	9040.057	9040.094	0.037	-2.633
Sub-5	9220.773	9221.004	9221.044	9220.811	9221.024	9220.926	9220.847	9220.756	9220.939	0.183	0.166
Sub-6	8649.193	8646.524	8646.472	8646.450	8646.402	8646.292	8646.303	8646.335	8646.318	-0.017	-2.875
Sub-7	8724.159	8723.478	8723.318	8723.289	8723.215	8723.168	8723.119	8723.205	8723.156	-0.049	-1.003
Sub-8	8967.402	8966.790	8966.676	8966.622	8966.323	8966.444	8966.371	8966.269	8966.351	0.082	-1.051
Sub-9	8901.147	8900.433	8900.008	8899.904	8899.609	8899.771	8899.761	8899.687	8899.736	0.049	-1.411
Sub-10	8864.970	8864.087	8863.691	8863.620	8863.346	8863.521	8863.523	8863.427	8863.489	0.062	-1.481
Sub-11	9050.850	9050.872	9050.720	9050.234	9049.487	9049.544	9049.475	9049.482	9049.629	0.147	-1.221
Sub-12	8977.577	8977.526	8977.341	8975.913	8975.124	8975.330	8975.235	8975.308	8975.371	0.063	-2.206
Sub-13	8887.506	8887.528	8887.329	8885.186	8884.772	8884.972	8884.957	8884.992	8885.055	0.063	-2.451
Sub-14	9059.611	9059.614	9059.575	9059.692	9059.530	9059.686	9059.652	9059.673	9059.688	0.015	0.077
Sub-15	9000.420	9000.449	9000.371	9000.534	9000.266	9000.418	9000.458	9000.473	9000.540	0.067	0.120
Sub-17	8905.849	8905.630	8905.590	8905.736	8905.449	8905.663	8905.662	8905.639	8905.660	0.021	-0.189
Sub-18	8662.317	8662.097	8662.031	8662.199	8661.898	8662.435	8662.167	8662.083	8662.102	0.019	-0.215
Sub-19	9098.256	9097.999	9097.747	9097.502	9097.093	9097.425	9097.284	9097.190	9097.235	0.045	-1.021
Sub-20	8908.330	8908.057	8908.060	8906.775	8906.000	8906.393	8906.141	8906.040	8906.018	-0.022	-2.312
Sub-21	8755.014	8754.819	8754.730	8754.599	8754.221	8754.721	8754.458	8754.445	8754.432	-0.013	-0.582
Sub-22	8757.128	8756.914	8756.907	8755.064	8754.704	8755.107	8754.899	8754.837	8754.752	-0.085	-2.376
Sub-23	8788.448	8788.409	8788.426	8788.407	9787.532	8787.288	8787.235	8787.249	8787.174	-0.075	-1.274
Sub-24	8762.659	8762.729	8762.599	8762.658	8759.026	8758.853	8758.913	8758.911	8758.850	-0.061	-3.809

SUBSIDENCE MONITORING
BEAVER CREEK #8 MINE

STATION	ORIG. ELEV. 10/9/88	SURVEY ELEV. 10/15/89	10/12/90	9/28/91	10/10/92	CHANGES LATEST	ACC.
SWEETS	9174.513	9174.513	9174.513	9174.513	9174.513		
"H"	8849.120	8845.010	8845.010	8845.010	8845.010		
Sub-25	8561.790	8561.599	8561.458	8560.915	8560.954	0.039	-0.836
Sub-26	8641.822	8641.487	8641.280	8638.621	8638.512	-0.109	-3.310
Sub-27	8615.259	8615.264	8611.947	8611.952	8611.874	-0.078	-3.385

Job: BEAVER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
1992 BEAVER CREEK NO. 2 MINE & BEAVER CREEK SUBSIDENCE SURVEY						
Start						
100	"H"			492568.234	2120190.760	8845.010
RI	NE	44 18 01	5920.948	from Base Point	100	-603.015
401	"B" 1992			496805.783	2124326.071	8241.995
RI	NE	24 22 15	4990.744	from Base Point	100	-191.509
403	"A" 1992			497114.267	2122250.156	8653.501
RI	NE	14 11 31	4631.993	from Base Point	100	-435.211
405	B-9 1992			497058.858	2121326.391	8409.799
RI	NW	0 07 23	5296.423	from Base Point	100	-52.645
407	B-10 1992			497864.645	2120179.385	8792.365
RI	NW	13 00 54	4808.347	from Base Point	100	48.368
408	B-8 1992			497253.062	2119107.902	8893.378
Exit Radial Inverse, resume at point						
100	"H"			492568.234	2120190.760	8845.010
Start						
408	B-8 1992			497253.062	2119107.902	8893.378
RI	NW	75 45 29	2065.971	from Base Point	408	-257.429
[illegible]26	B-7 1992			497761.330	2117105.429	8635.949
[illegible]	NW	66 28 46	1478.301	from Base Point	408	-240.429
427	B-6 1992			497843.022	2117752.424	8652.949
Exit Radial Inverse, resume at point						
408	B-8 1992			497253.062	2119107.902	8893.378
Start						
427	B-6 1992			497843.022	2117752.424	8652.949
IN	SE	61 26 05	312.195			-61.688
428	B-5 1992			497693.743	2118026.616	8591.261
IN	NE	44 02 53	1182.663			-19.165
430	B-3 1992			498543.790	2118848.876	8572.096
IN	NE	77 39 35	325.285			-14.014
431	B-2 1992			498613.309	2119166.646	8558.082
IN	NE	56 44 28	509.049			-15.559
432	B-1 1992			498892.483	2119592.313	8542.523

Job: BEAVER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
1992 BEAVER CREEK NO. 7 MINE SUBSIDENCE SURVEY						
Start						
100	"H"			492568.234	2120190.760	8845.010
RI	NW	42 17 27	2596.791	from Base Point	100	193.146
406	"I" 1992			494489.181	2118443.394	9038.155
RI	NW	54 23 02	3081.342	from Base Point	100	195.084
409	SUB-4 1992			494362.664	2117685.827	9040.094
RI	NW	72 36 55	1391.497	from Base Point	100	-86.160
402	SUB-24 1992			492983.994	2118862.827	8758.850
RI	NW	54 45 19	1890.939	from Base Point	100	-57.836
404	2UB-23 1992			493659.438	2118646.440	8787.174
RI	NW	16 11 41	2449.657	from Base Point	100	-121.854
412	SUB-7 1992			494920.686	2119507.538	8723.156
RI	NW	7 25 51	2401.678	from Base Point	100	-198.691
413	SUB-6 1992			494949.743	2119880.158	8646.318
RI	NW	13 05 52	1864.886	from Base Point	100	-431.391
414	SUB-2 1992			494384.604	2119768.147	8413.619
RI	NE	6 06 45	1848.966	from Base Point	100	-549.713
415	SUB-1 1992			494406.687	2120387.644	8295.297
RI	NW	74 25 23	3602.683	from Base Point	100	252.226
410	SUB-19 1992			493535.671	2116720.401	9097.235
RI	NW	73 34 10	4172.163	from Base Point	100	375.930
411	SUB-5 1992			493748.343	2116188.974	9220.939
Exit Radial Inverse, resume at point						
100	"H"			492568.234	2120190.760	8845.010
Start						
406	"I" 1992			494489.181	2118443.394	9038.155
RI	NE	45 24 44	490.801	from Base Point	406	-71.805
416	SUB-8 1992			494833.724	2118792.931	8966.351
RI	NE	0 00 00	0.000	from Base Point	406	0.000
406	"I" 1992			494489.181	2118443.394	9038.155
Exit Radial Inverse, resume at point						
406	"I" 1992			494489.181	2118443.394	9038.155
Start						
416	SUB-8 1992			494833.724	2118792.931	8966.351
RI	NW	14 25 40	388.244	from Base Point	416	-66.614
417	SUB-9 1992			495209.724	2118696.197	8899.736
RI	NW	4 22 28	595.165	from Base Point	416	-102.861
418	SUB-10 1992			495427.155	2118747.534	8863.489
Exit Radial Inverse, resume at point						
416	SUB-8 1992			494833.724	2118792.931	8966.351

File: SURVEYS\BEAVER.
Session terminated at 8:51 PM on 11-29-1992

Job: BEAVER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
1992 BEAVER CREEK NO. 7 MINE SUBSIDENCE SURVEY						
Start						
410	SUB-19 1992			493535.671	2116720.401	9097.235
RI	SW	57 40 10	839.540	from Base Point	410	-191.575
425	SUB-17 1992			493086.680	2116011.010	8905.660
RI	SW	37 25 35	1380.226	from Base Point	410	-435.134
424	SUB-18 1992			492439.584	2115881.583	8662.102
RI	SE	21 55 04	766.774	from Base Point	410	-191.218
421	SUB-20 1992			492824.319	2117006.620	8906.018
RI	SE	3 15 35	1409.709	from Base Point	410	-342.804
422	SUB-21 1992			492128.242	2116800.563	8754.432
RI	SE	9 51 18	1993.346	from Base Point	410	-342.483
423	SUB-22 1992			491571.738	2117061.572	8754.752
Exit Radial Inverse. resume at point						
410	SUB-19 1992			493535.671	2116720.401	9097.235
Start						
409	SUB-4 1992			494362.664	2117685.827	9040.094
RI	NW	35 52 51	1932.833	from Base Point	409	-39.554
[illegible]	SUB-15 1992			495928.720	2116552.994	9000.540
[illegible]	NW	62 59 51	1660.441	from Base Point	409	19.594
419	SUB-14 1992			495116.550	2116206.395	9059.688
Exit Radial Inverse, resume at point						
409	SUB-4 1992			494362.664	2117685.827	9040.094
Start						
420	SUB-15 1992			495928.720	2116552.994	9000.540
RI	SE	52 15 52	1709.268	from Base Point	420	49.089
433	SUB-11 1992			494882.621	2117904.760	9049.629
RI	SE	64 47 39	1514.694	from Base Point	420	-25.169
434	SUB-12 1992			495283.654	2117923.464	8975.371
RI	SE	79 23 43	1417.804	from Base Point	420	-115.485
435	SUB-13 1992			495667.799	2117946.583	8885.055
Exit Radial Inverse, resume at point						
420	SUB-15 1992			495928.720	2116552.994	9000.540

Job: BEAVER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
1992 BEAVER CREEK NO. 8 MINE SUBSIDENCE SURVEY						
Start						
100	"H"			492568.234	2120190.760	8845.010
RI	SE	57 24 11	1175.624	from Base Point	100	-233.136
443	SUB-27 1992			491934.897	2121181.203	8611.874
Exit Radial Inverse, resume at point						
100	"H"			492568.234	2120190.760	8845.010
Start						
401	"B" 1992			496805.783	2124326.071	8241.995
RI	SW	38 54 41	4961.883	from Base Point	401	396.517
444	SUB-26 1992			492944.844	2121209.433	8638.512
RI	SW	37 06 52	4485.351	from Base Point	401	318.959
445	SUB-25 1992			493229.015	2121619.578	8560.954
Exit Radial Inverse, resume at point						
401	"B" 1992			496805.783	2124326.071	8241.995

SUBSIDENCE INVENTORY REPORT

Mountain Coal Company #2, #7, #8, And #3 & #6 Mines

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

Prepared by:

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

October 8,1992

SUBSIDENCE INVENTORY REPORT

Mountain Coal Company - #2, 7, 8, And #3 & #6 Mines

SCOPE

On September 10, 1992, M.A. Coonrod and R. Bohn of Environmental Industrial Services conducted a subsidence inventory above the portal areas of #2, #7, and #8, and #3 & #6 Mines. The purpose of the inventory was to identify surface disturbance which could be attributed to subsidence. In conjunction with surface disturbance all known springs, seeps and surface waters not being monitored were checked in order to determine if mining had adversely impacted any of the existing aquifers.

METHODOLOGY

A cursory foot inventory was conducted by transversing the terrain at approximately 300' intervals parallel to the slope. Evidence of subsidence was noted on Plate 1-1 of the 1991 Surveys. These tension fractures and abrupt changes in elevation or sump areas were rechecked and the rate of heal and/or closure were noted. All known aquifers, stock ponds, or streams were checked. Flow or static levels were compared to historic data to determine if there were adverse impacts.

FINDINGS

No subsidence was observed above the #2 or #7 mine areas. No adverse impacts to aquifers was observed on the entire survey area. The area directly above the #8 mine portals that showed considerable evidence of subsidence in 1991 was almost totally healed and vegetated.

The sump area measuring approximately 450' by 150' with an elevation drop of between 6" to 30' was rechecked as well as the tension fractures varying from 0" to 18' in width and to a depth of 6" to 36" in 1991. These areas were almost impossible to locate and appeared to have largely healed. The vegetation was rapidly closing the fractures and appeared to be no significant threat to wildlife or domestic stock.

No man-made structures are located within the area of subsidence with the possible exception of an old drill-hole access road along the ridge. This road appeared to be abandoned and in such disrepair that the slight change in elevation caused by subsidence would not be a deterrent to travel in a 4-wheel drive vehicle.

RECOMMENDATIONS

No remedial action is warranted. Any work to close fracture or correct slumps would result in considerable more disturbance than is presently in evidence and thus would be a greater impact than what presently exists. The majority of the surface disturbance is self-healing. The balance will result in minor topographic changes of no significance.

The reclaimed 3 & 6 Mine area was also inventoried with no new evidence of subsidence. The old slump area above the #3 Mine Entry Portal is totally slumped in and fully revegetated.

VEGETATION

MONITORING

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

March 31, 1993

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

Re: Qualitative Survey
Vegetation #2, 7,& 8 Mine

Dear Mr. Guy:

The first 2 weeks of September, 1992, E.I.S. maintained a crew at the #2, #7 & #8 mine location. During this period, I had ample opportunity to survey the interim as well as the final reclamation associated with that property. Overall, the vegetation is well established and doing very well. Species diversity was only average with a large percentage of grasses, few forbs, and even fewer woody species. Vegetative cover on the permanent or areas that are under final reclamation (old portal area and the fan road) is excellent. Woody plant density is poor and will most likely need to be enhanced with a seedling planting program prior to bond release.

The top soil, cut slopes and fill areas that have interim seed mixes are in excellent condition and are well stabilized through vegetative cover. Run off from these areas is almost non-existent.

Overall, the area is in good general condition.

Sincerely,

Melvin A. Coonrod

ANNUAL

IMPOUNDMENT

CERTIFICATIONS

MOUNTAIN COAL COMPANY
1992 ANNUAL POND INSPECTION REPORT

POND: SED. POND 2 LOCATION: G.C. 2/7/8

IMPOUNDMENTS

(1) Stability	Slopes Stable.
(2) Structural Weakness/Erosion	Minor Erosion on Inlet No Structural Weakness
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	24"
(5) Existing Storage Capacity	2.12 Ac. Ft.
(6) Monitoring Procedures	Quarterly Inspection. U.P.D.E.S. Discharge.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	7880.5
(8) Sediment Cleanout Level (Elev.)	7881.8
(9) Principle Spillway (Elev.)	7893.0
(10) Emergency Spillway (Elev.)	7893.7
(11) Existing Sediment Capacity (To Cleanout)	0.26 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Open Channel Spillway Added 10/92. No Discharge.

STATEMENT

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

(Signature)

10-27-92
(Date)

REGISTERED PROFESSIONAL ENGINEER
No 4848
DAN W. GUY
STATE OF UTAH

MOUNTAIN COAL COMPANY
1992 ANNUAL POND INSPECTION REPORT

POND: SED. POND 7A

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

(1) Stability	Slopes Stable. Revegetated.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	8"
(5) Existing Storage Capacity	1.26 Ac. Ft.
(6) Monitoring Procedures	Quarterly Inspection.

SEDIMENT PONDS ONLY

(7) Sediment Accumulation (Elev.)	7927.0
(8) Sediment Cleanout Level (Elev.)	7932.0
(9) Principle Spillway (Elev.)	7939.5
(10) Emergency Spillway (Elev.)	7940.5
(11) Existing Sediment Capacity (To Cleanout)	0.30 Ac. Ft.

GENERAL

(12) Comments/Recommendations	Pond Cleaned 7/92. Overflow to Sed. Pond 2. No Discharge.

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)

10-27-92
(Date)

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POND: SWEET'S CANYON

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

(1) Stability	Slopes Stable. Vegetated.
(2) Structural Weakness/Erosion	None Noted.
(3) Potential Safety Hazards	None Noted.
(4) Depth of Impounded Water	60"
(5) Existing Storage Capacity	2.10 Ac. Ft. (Not a Sed. Pond.)
(6) Monitoring Procedures	Quarterly Inspection.

SEDIMENT PONDS ONLY

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

GENERAL

(12) Comments/Recommendations	Pond for Water Fill and Fish Only. Operating Properly.

STATEMENT

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

(Signature)

10-27-92
(Date)

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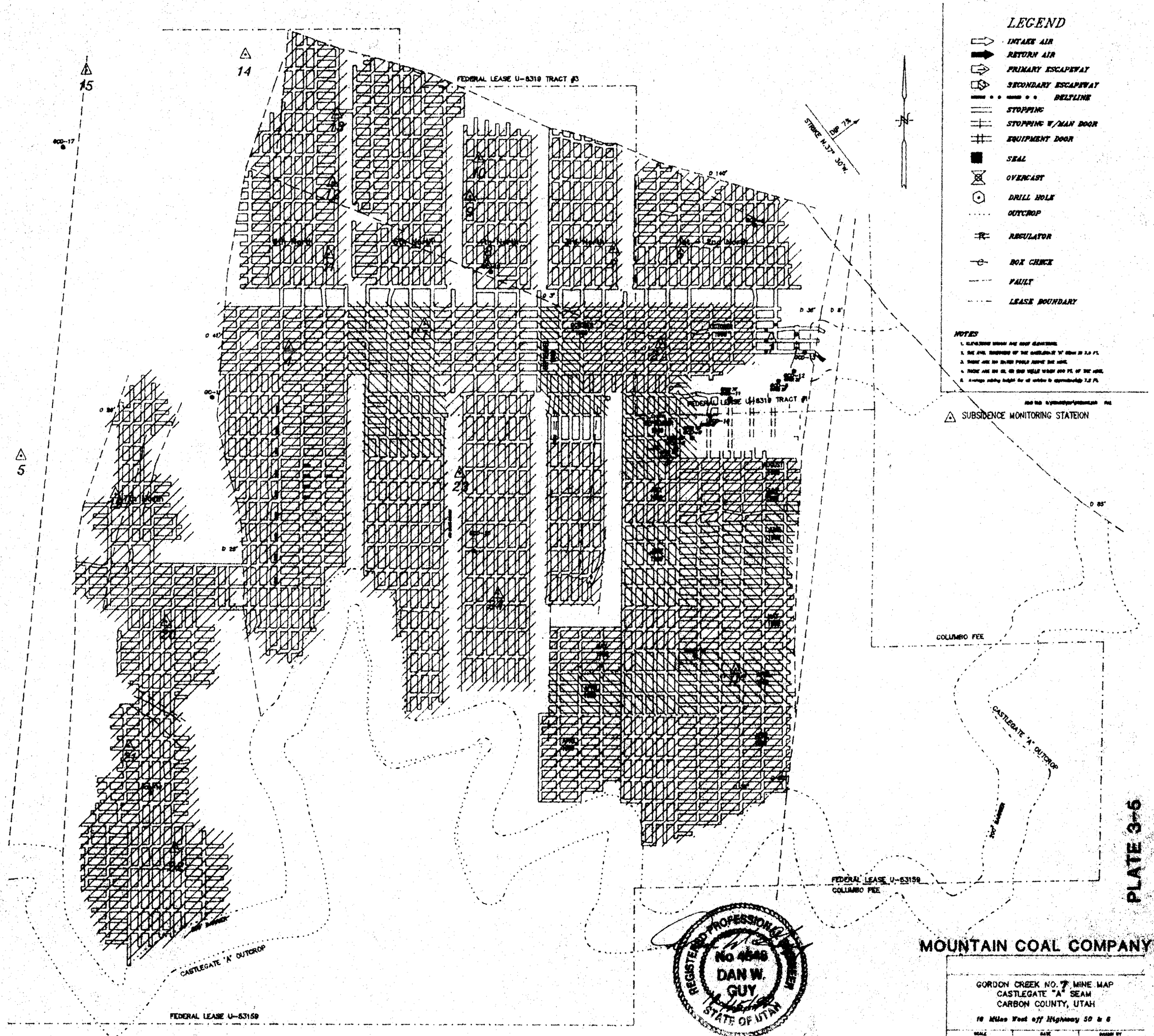
DAN W. GUY
STATE OF UTAH


LEGEND
INTAKE AIR
RETURN AIR
PRIMARY ESCAPEWAY
SECONDARY ESCAPEWAY
BELTLINE
STOPPING
STOPPING W/MAN DOOR
EQUIPMENT DOOR
SEAL
OVERCAST
DRILL HOLE
OUTCROP
REGULATOR
BOX CHECK
FAULT
LEASE BOUNDARY
NOTES
SUBSIDENCE MONITORING STATEION
FEDERAL LEASE U-8319 TRACT #3
FEDERAL LEASE U-8319 TRACT #1
STRIKE N.37° 30'W.
DIP 7%
COLUMBO FEE
CASTLEGATE 'A' OUTCROP
FEDERAL LEASE U-53159
COLUMBO FEE
FEDERAL LEASE U-53159
REGISTERED PROFESSIONAL ENGINEER
No 4548
DAN W. GUY
STATE OF UTAH
PLATE 3-6
MOUNTAIN COAL COMPANY
GORDON CREEK NO. 7 MINE MAP
CASTLEGATE "A" SEAM
CARBON COUNTY, UTAH
10 Miles West off Highway 50 & 6