

PERMIT CHANGE TRACKING FORM

DATE RECEIVED	2/26/94	PERMIT NUMBER	ACT/007/016
Title of Proposal:	<i>Modify Water</i>	PERMIT CHANGE #	94A
Description:	<i>Monitoring Program</i>	PERMITTEE	<i>Monter Coal Co.</i>
		MINE NAME	#2, #7, #8

	DATE DUE	DATE DONE	RESULT
<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION			<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.			Permit Change Classification
<input type="checkbox"/> Request additional review copies prior to Division/Other Agency review.			<input type="checkbox"/> Significant Permit Revision
<input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.)			<input type="checkbox"/> Permit Amendment
<input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.			<input type="checkbox"/> Incidental Boundary Change

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative						
<input type="checkbox"/> Biology						
<input type="checkbox"/> Engineering						
<input type="checkbox"/> Geology						
<input type="checkbox"/> Soils						
<input type="checkbox"/> Hydrology						
<input type="checkbox"/> Bonding						
<input type="checkbox"/> AVS Check						

COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> OSMRE						
<input type="checkbox"/> US Forest Service						
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input type="checkbox"/> UT Environmental Quality						
<input type="checkbox"/> UT Water Resources						
<input type="checkbox"/> UT Water Rights						
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other						

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	<input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	<input type="checkbox"/> Copy of Approved Permit Change to File.
<input type="checkbox"/> TA and CHIA modified as required.	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.

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Water Monitoring - Operational

Water quality samples will be collected quarterly at sample locations 2-1-W, 2-2-W, 2-7-W, 2-8-W, and 2-9-W and 2-10-W. Samples will be analyzed for parameters listed in Table 7-18. The sampling programs provide information on seasonal flow and water quality on intermittent and ephemeral streams that have a potential to be affected by mine discharge and surface disturbance. Stations 2-2-W and 2-9-W will also be monitored quarterly for oil and grease, since they are below the mine site.

In addition, discharge from the NPDES monitoring point, 2-1-W, will be sampled for flow, pH, TDS, TSS, Iron, Manganese and Oil and Grease, according to UPDES permit monitoring requirements.

A discussion of surface water monitoring locations, type, frequency and flow device may be found in Table 7-17. A map of the monitoring locations is provided on Plate 7-2. Sample points 2-3-W and 2-4-W are continuous stream gauging stations located on Beaver Creek at downstream and upstream points respectively. The gauges are operated through the flow season from about May through November. The stream and stilling wells are frozen throughout the Winter. The gauges are serviced monthly at which time the water is analyzed in the field for pH, temperature and specific conductance. In addition, samples will be taken bi-annually for chemical analyses on stations 2-3-W, 2-4-W, 2-5-W, and 2-6-W. Analyses will be for parameters listed in Table 7-18.

Note: Total Settleable Solids will be tested at non-UPDES stations.

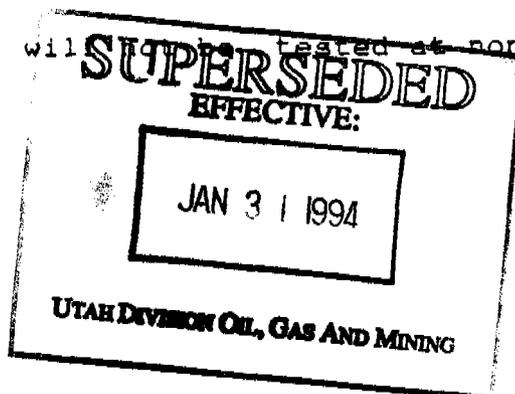


TABLE 7-17
SURFACE WATER MONITORING PROGRAM
GORDON CREEK No. 2/7/8 Mines

<u>STATION</u>	<u>LOCATION</u>	<u>TYPE</u> NPDES	<u>FREQUENCY</u>	<u>FLOW DEVICE</u>	<u>RESULTS TO:</u> EPA, DOGM	<u>REMARKS</u> Monitored per NPDES Permit
2-1-W	Discharge of Sediment Pond	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-Helds	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-Help Flow Device	DOGM, OSM	

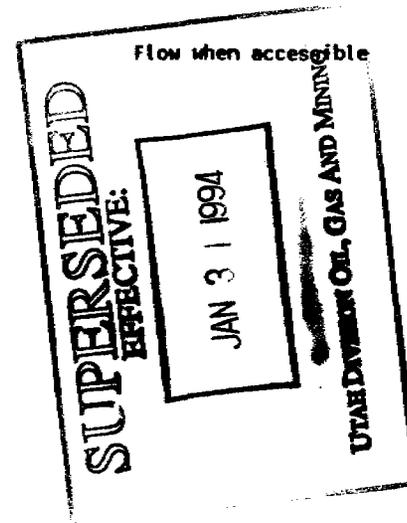


TABLE 7-2 (Continued)
 SAMPLE SITE 2-5-W

Parameter	DATE SAMPLED							
	11-16-81	12-10-81	1-12-82	2-23-82	3-23-82	4-23-82	5-26-82	6-21-82-
Mn(1)	Frozen	Frozen	Frozen	Inaccessible	Inaccessible	Inaccessible	Inaccessible	.002
Fe(1)								.01
So ₄ (1)								6
Cl(1)								4.3
No ₃ (1)								.63
pH(2)								7.7
TDS (1)								306
TSS(1)								3
Elec. Conduct								470
Discharge								60

5/8/86

7-27

SUPERSEDED
 EFFECTIVE:
 JAN 31 1994
 UTAH DIVISION OF OIL, GAS AND MINING

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TABLE 7-2 (Continued)
 SAMPLE SITE 2-5-W

Parameter	DATE SAMPLED					
	7-19-82	8-20-82	9-22-82	10-15-82	11-20-82	12-21-82
Mn(1)	.004	.03	.03	.03	Inaccessible	Inaccessible
Fe(1)	.017	33	.03	3.32		
So ₄ (1)	.1	5	14	12		
Cl(1)	3.5	4.0	6	3		
No ₃ (1)	.93	1.05	1.08	.95		
pH(2)	7.5	7.87	7.75	7.1		
TDS (1)	228	255	285	300		
TSS(1)	10	4	4	4		
Elec. Conduct	480	420	470	440		
Discharge	30	17.5	10	9		

5/8/86

7-28

SUPERSEDED
EFFECTIVE:
 JAN 3 | 1994
 UTAH DIVISION OF OIL, GAS AND MINES



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

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

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

January 31, 1994

Mr. Robert Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Re: Water Monitoring, Mountain Coal Company, Gordon Creek #2, #7, and #8
Mine, ACT/007/016-94A, Folder #3, Carbon County, Utah

Dear Mr. Hagen:

Enclosed please find updated pages 7-27 and 7-28 relative to the above-noted amendment, effective January 31, 1994.

Sincerely,



Pamela Grubaugh-Littig
Permit Supervisor

pjl
Enclosure
cc/enc: Bill Malencik, PFO



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)



94A

January 18, 1994

RECEIVED

JAN 26 1994

**DIVISION OF
OIL, GAS & MINING**

Pamela Grubaugh-Littig
Permit Supervisor
Utah Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 3350
Salt Lake City, Utah 84180-1203

Re: Request to Modify Water Monitoring Program
Gordon Creek No. 2/7/8 Mines
ACT/007/016
Carbon County, Utah

Dear Ms. Littig:

Mountain Coal Company is herein requesting your approval to modify its Water Monitoring Program for the Gordon Creek No. 2/7/8 Mines. The modification will include: (1) Discontinuing the use, and removal of the Parshall flumes and gauging equipment on Stations 2-3-W and 2-4-W, and (2) reducing the flow measurement and sampling frequency on Stations 2-3-W and 2-4-W to a bi-annual basis to match that of the spring sampling site in Beaver Creek.

The flumes and gauging stations have been in use since 1980; however, due to a combination of age, continuing beaver activity and possible vandalism, they are no longer operational. If approved, it is our intent to remove the flumes, concrete, staff gauges and any other extraneous material, and clean up and hand rake all areas of associated site disturbance. Seeding should not be necessary due to the small size and the location within dense riparian vegetation. Future flow measurements will be taken with a portable flume.

Continuous flow or monthly flow readings (when accessible) have been taken over a period of approximately 13 years, providing adequate data during (and after) the operational stage of the mines. The mines have been closed since November 1990, and are awaiting final approval for reclamation. It is proposed that future flow/quality measurements be taken on a bi-annual basis - once in the spring and fall. The frequency will match that of the other 2 sampling sites in the Beaver Creek area -

Page 2

Stations 2-5-W and 2-6-W. The bi-annual sampling will provide high and low flow volumes and quality, and should be adequate, since the mine operation has been finished for over 3 years.

Three copies of revised pages are included for replacement in the permit, upon approval. No map changes are necessary for this proposal. I have also enclosed the necessary Permit Change Forms.

It is our hope that this proposal will meet with your approval. If you have any questions, or need any further information, please let me know.

Respectfully,

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

Dan W. Guy
for
Kathleen G. Welt

cc: Kathy Welt-MCC
File

APPLICATION FOR PERMIT CHANGE

Title of Change: *Request to Modify Water Monitoring Program*

Permit Number: *ACT10071016*

Mine: *Garden Creek 2/7/8 Mines*

Permittee: *Mountain Coal Co.*

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

*Removal of flames on Stations 2-3-W and 2-4-W.
Change Sampling Frequency on " " "*

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

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

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

Dana Ballard for Kathleen St. Walt 1/21/94
Signed - Name - Position - Date

Subscribed and sworn to before me this 21 day of JAN., 19 94

DANA BALLARD
Notary Public

My Commission Expires: _____
Attest: STATE OF _____
COUNTY OF _____

9-27, 19 97
HELEN
CARRION



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

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER

