

TRACKING FORM

I. KEY FEATURES OF PERMITTEE'S AMENDMENT APPLICATION

Permittee PacificCorp	Mine Name Trail Mtn. Mine	Amendment # ACT1015/009-96D	Date Received / By Whom 7-23-96 US Mail
Proposal: Phase I Openended Yard Drainage- Concrete Pads			
Description: 3 concrete pads will be placed at the entrance to the maintenance shop. Surface drainage from these concrete pads will flow onto yard + sheet flow to the existing curb + gutter on the east side of yard.			

II. AMENDMENT CLASSIFICATION

<input type="checkbox"/> Major Amendment	Public Notice Required	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ^{sl}
<input checked="" type="checkbox"/> Minor Amendment	Outside of Permit Area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Outside of Disturbed Area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

III. SUMMARY OF DOGM PROCESSING DATES

Reviews Completed	7/29/96	FOLLOWUP REQUIREMENTS	
Approved Effective	7/31/96	MRP "After Const" Documents	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Disapproved	N/A	TA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mailed		CHIA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Filed MRP - SLO	N/A	Responds Within 15 days of Receipt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, explain below: The amendment got lost in the mail/received 7/23/96	

IV. COORDINATED REVIEWS

EXTERNAL AGENCIES (Mine Specific) (Adverse Comments, If Any, Include in Item V)	DOGM REVIEWS/DISCIPLINES		
	COPY SENT	CONTACTED	
OSM	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	Generalists WUR <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
BLM	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	INTERDISCIPLINARY APPROACH
US Forest Service	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Administrative <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
US Fish & Wildlife	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Biology <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
US National Parks	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Engineering <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
UT Environmental Quality	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Geology <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
UT Wildlife Resources	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Hydrology <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
UT State History	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Soils <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
UT Water Rights	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Permitting <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
UT SITLA	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input checked="" type="checkbox"/> N/A	- Other <input type="checkbox"/> Yes <input type="checkbox"/> N/A
Other	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input type="checkbox"/> N/A	

V. FOOTNOTES/ADDITIONAL EXPLANATION AS NECESSARY

a) The concrete pad is within 100' of the highway. The public notice concerning staged construction of installing the Cottonwood & Trail Mtn Mines has taken place and this project is part and parcel of that infertile project. Therefore another notice is not required.

b) The title of this amendment is misleading. While the drainage is sheet flow on the current earthen pad, installing a concrete pad will not change the drainage. In a summary the drainage is sheet flow to the concrete diversion.

SURETY BOND ESTIMATE

TABLE 3-4

ITEM	AMOUNT LABOR		COST/MAN SHIFT	LABOR COST	EQUIPMENT REQUIREMENTS ³	MATERIAL ⁴ EQUIPMENT		MATERIAL EQUIPMENT TOTAL/COST	TOTAL LABOR MATERIALS EQUIPMENT ¹¹
	MAN/SHIFT ^{1,8}					SHIFT/COST ⁵			
Storage Building	1	3	160	480	Truck	3	250	750	1,230
	1	3	160	480	Backhoe/Loader	3	225	675	1,155
	2	3	120	720	None				720

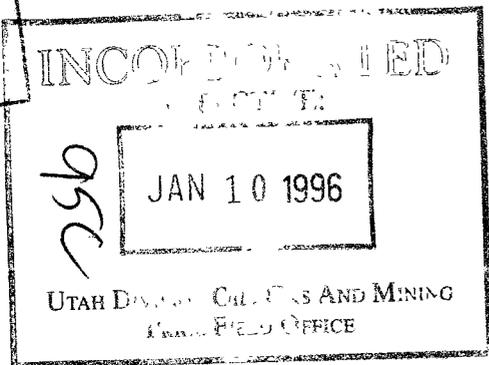
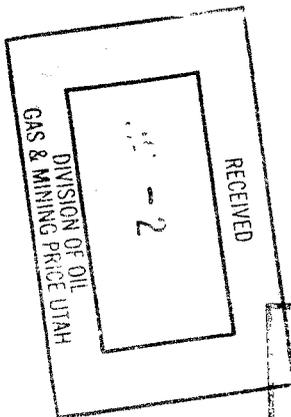
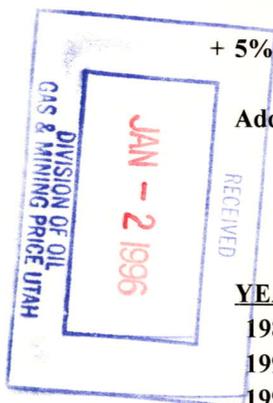


TABLE 3-5

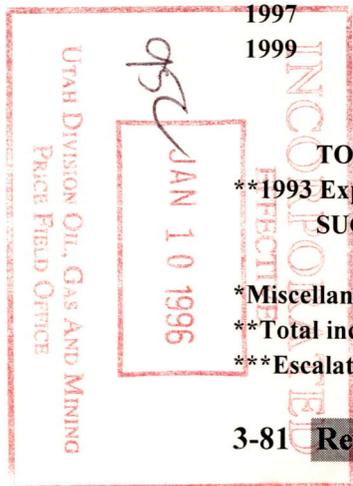
RECLAMATION COST BREAKDOWN FOR RECLAMATION BOND

1.	Surface Facility Removal	\$111,984
2.	Earth Moving and Recontouring	\$108,407
3.	Rip-Rap	\$10,980
4.	Revegetation	\$56,096
5.	Miscellaneous*	\$70,920
	SUBTOTAL (1984 Dollars)	\$358,387
+ 10%	Contingency	\$35,839
	SUBTOTAL	\$394,226
+ 5%	Reclamation Management	\$20,106
	TOTAL	\$414,331
	Add an inflation factor of 6.78 percent over 5 year Permit Term (1984 - 1989)	160,840
	SUBTOTAL	\$575,171



YEAR	ESCALATION FACTOR***	ESCALATED TOTAL
1989	--	\$575,171
1991	1.27%	\$586,961
1993	2.54%	\$615,171
1995	2.01%	\$640,150
1997	2.01%	\$666,142
1999	2.01%	\$693,190

YEAR	ESCALATION FACTOR	ESCALATED TOTAL
1990	0.77%	\$579,600
1992	2.21%	\$599,933
1994	2.01%	\$627,536
1996	2.01%	\$653,017
1998	2.01%	\$679,532



TOTAL SURETY ESTIMATE (1999 Dollars)

\$693,190

** 1993 Exploration Drilling

144,266

SUGGESTED SURETY ESTIMATE

\$837,456

* Miscellaneous costs include all monitoring and maintenance related costs for successful reclamation establishments.

** Total includes +10% Contingency = 12,622 and +4.3% Reclamation Management = 5,427. Original Cost 1994 Dollars = 126,217.

*** Escalated Factors taken from Means©

**PacifiCorp
Trail Mountain Mine**

RECEIVED
 JAN - 2 1995
 DIVISION OF OIL
 GAS & MINING PRICE FIELD UTAH

**SURETY BOND ESTIMATE
TABLE 3-4**

ITEM	AMOUNT LABOR MAN/SHIFT ^{1,8}		COST/MAN SHIFT	LABOR COST	EQUIPMENT REQUIREMENTS ³	MATERIAL ⁴ EQUIPMENT SHIFT/COST ⁵	MATERIAL EQUIPMENT TOTAL/COST	TOTAL LABOR MATERIALS EQUIPMENT ¹¹
Sediment Pond	1	2	160	320	Jeffery	2	500	1,320
	1	2	160	320	Loader	2	225	770
Seal Portals	3	10	120	3,600	Concrete Block	5	1000	8,600
Explosive Magazine	1	2	120	240	Concrete Block	2	500	1,240
Culverts	1	20	160	3,200	Truck	20	250	8,200
	1	20	160	3,200	Crane	20	381	10,820
	2	20	120	4,800	None	-	-	4,800
Trash Removal	1	2	120	240	Truck	1	250	490
SUBTOTAL								\$111,984
Earth Moving and Recontouring ^(10,12)	^(14,17) 1	25	160	4,000	Dozer	25	703	21,575
	⁽¹⁵⁾ 1	62	160	9,920	988 Loader	62	971	70,122
	⁽¹⁶⁾ 1	15	160	2,400	Track Excavator	15	954	16,710
SUBTOTAL								\$108,407
Riprap ⁽¹⁹⁾	1	12	160	1,920	Truck	12	250	4,920
	1	12	160	1,920	Backhoe/Loader	12	225	4,620
	1	12	120	1,440	None	-	-	1,440
SUBTOTAL								\$10,980

3-76

Revised 12/15/95

INCORPORATED
 EFFECTIVE:
 956
 JAN 10 1996
 UTAH DIVISION OIL, GAS AND MINING
 PRICE FIELD OFFICE



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)

July 29, 1996

Val Payne
 Sr Environmental Engineer
 Energy West Mining
 PacifiCorp
 PO Box 310
 Huntington, Utah 84528

RE: Phase I Open-ended Yard Drainage Concrete Pads, Trail Mountain Mine, PacifiCorp, ACT/015/009-96D, Folder #3, Emery County, Utah

Dear Mr. Payne:

This approves your permit amendment application received at the DOGM Price Field Office on July 23, 1996. Your transmittal letter was dated July 9, 1996. We have no explanation for the delay in the receipt of your application. The approval is effective July 29, 1996. This amendment approves staged construction of contiguous concrete pads adjacent to the shop. However, the entire project must be completed by November 1, 1996. In the event you do not complete the total staged concrete pour by November 1, the approval terminates November 1, 1996. Should you desire to instal concrete pads after November 1, they will have to be covered in a subsequent amendment application.

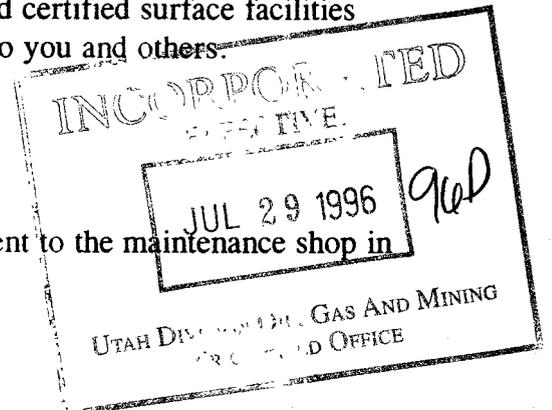
Follow-up Action By Permittee

Since the project involves on-the-ground construction, please submit, by December 1, 1996 or within 30 days after the project is completed, an updated certified surface facilities maps. We, in turn, will approve and distribute approved copy to you and others.

Project Description

The project involves construction of concrete pads adjacent to the maintenance shop in two stages or as follows:

Stage I: ASAP





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

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Governor
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James W. Carter
Division Director

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

July 29, 1996

Val Payne
Sr Environmental Engineer
Energy West Mining
PacifiCorp
PO Box 310
Huntington, Utah 84528

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Dear Mr. Payne:

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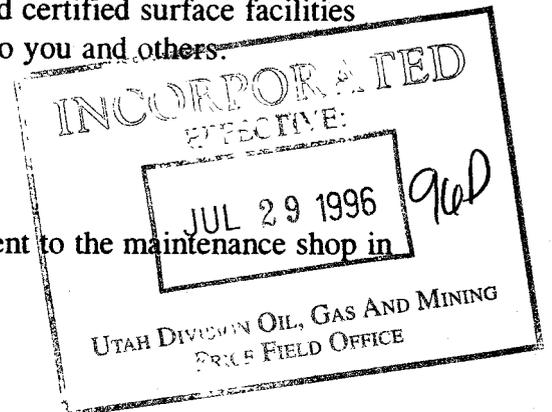
Follow-up Action By Permittee

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Project Description

The project involves construction of concrete pads adjacent to the maintenance shop in two stages or as follows:

Stage I: ASAP



Page 2

V. Payne/Trail Mountain
Phase I Yard Drainage 96D
July 29, 1996

Stage II: Open-ended. However, discussed this matter with Mr. Payne and he indicated tentative plans are to pour the second stage in September/October 1996, depending on funding and other matters.

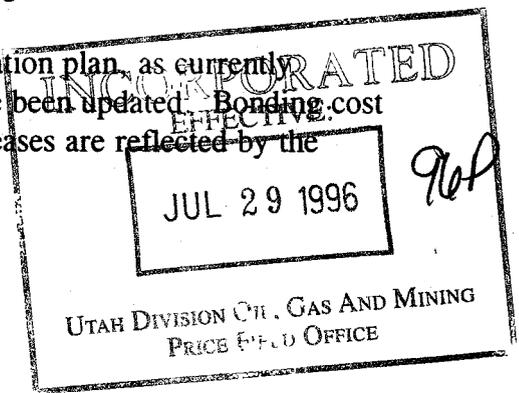
As explained above, the drainage, as shown on the enclosed drawing TMS 1603A, has always been approved as sheet flow to the designated concrete diversion.

Analysis

The concrete pads will prevent problems common to ground pads ie., erosion, siltation, a more stable surface, and a pad that is easier to maintain.

Findings

- (1) The applicant submitted a complete and accurate amendment application.
- (2) DOG M PERMIT STATUS. The addition lies within the current permit.
- (3) ACTIVE MINE. The area is included in an active approved coal mining and reclamation operation is within the existing disturbed area.
- (4) LAND STATUS. The land is patented land owned by PacifiCorp.
- (5) OTHER APPROVAL. The addition lies within 100' of Emery County Road #57. The permittee has obtained the approval of Emery County as related to necessary approvals required by R645-103-234 and is associated with projects to intertie Trail Mountain and the Cottonwood Mine.
- (6) IMPACTS. The project does not have any material adverse impacts to hydrologic balance, nor does it involve any existing critical habitat.
- (7) RECLAMATION AND BONDING. The reclamation plan, as currently approved, is accurate. The reclamation costs have been updated. Bonding cost tables 3-4 and 3-5 have been updated and the increases are reflected by the shaded costs.



Page 3
V. Payne/Trail Mountain
Phase I Yard Drainage 96D
July 29, 1996

- (8) RECORD UPDATE. The project as submitted and evaluated by the undersigned does not require an update of the Division Technical Analysis pertaining to the Trail Mountain Mine.

I have approved change to your MRP relative to pages 3-72, 3-76, and 3-81 and these documents are enclosed for your records. Copies have also been submitted to cooperating agencies.

Sincerely,



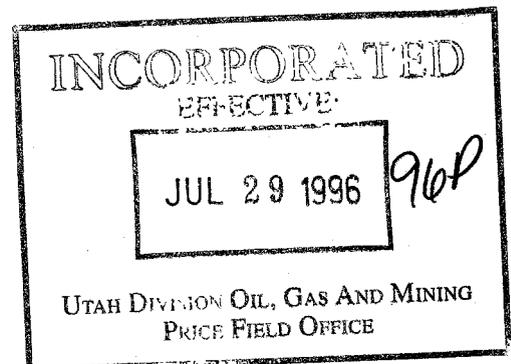
Wm. J. Malencik
Reclamation Specialist

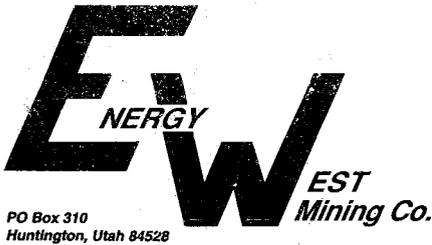
sd

Enclosure

cc:

Ranvir Singh, OSM, Denver
Mark Bailey, BLM, Price
Janette Kaiser, USFS, Manti-LaSal
Mark Page, DWR, Price, w/o enc
Dave Ariotti, DEQ, Price, w/o enc
Bill Bates, DWR, Price, w/o enc
David Terry, Trust Lands, SLC, w/o enc
Pam Grubaugh-Littig, DOGM, SLC, w/o enc
Joe Helfrich, DOGM, SLC, w/o enc

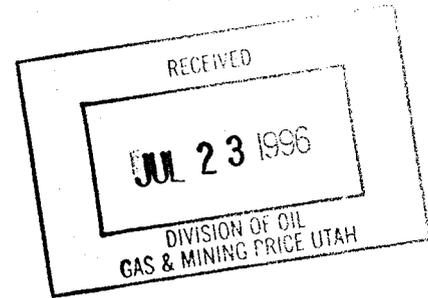




July 9, 1996

Division of Oil, Gas and Mining
451 East 400 North
Box 156
Price, Utah 84501

Attention: Mr. Bill Malencik

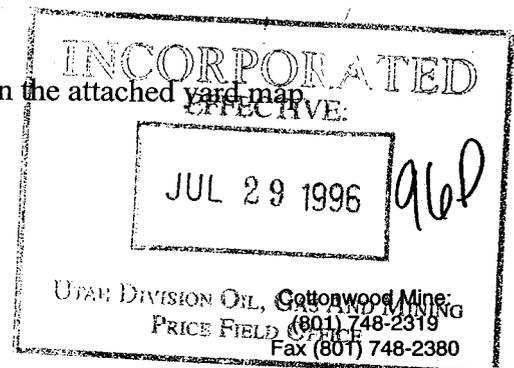


**Re: AMENDMENT TO YARD DRAINAGE , PACIFICORP, TRAIL
MOUNTAIN MINE, ACT/ 015/ 009, EMERY COUNTY, UTAH.**

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby requests an amendment to modify yard drainage. It is proposed at this time to establish an open-ended yard drainage amendment, consisting of several phases. The reason for this, is to do the work as funds become available. This type of arrangement would help expedite the work process as funds are released. A letter of intent to perform each phase of work would be sent to your office, with an attached drawing depicting the work to be accomplished during that phase. A written or verbal reply of approval by the Division would be received before work would commence.

The first phase would consist of three concrete pads placed at the entrance to the maintenance shop. Each pad would be approximately 17' x 18' x 10" with Number (6) reinforcing bar on 12" centers. The surface drainage from these concrete pads will flow onto the yard and sheet flow to the existing curb and gutter on the east side of the yard. A 8 1/2" x 11" yard map is attached for your convenience and depicts the proposed pad locations and direction of surface water flow. The mine manager would like to have the work accomplished during the vacation period scheduled for July 22 to August 2, 1996.

The following phases will include pads 4 through 8 as shown on the attached yard map



Huntington Office:
(801) 687-9821
Fax (801) 687-2695
Purchasing Fax (801) 687-9092

Deer Creek Mine:
(801) 381-2317
Fax (801) 381-2285

No significant increase in surface runoff will be associated with this amendment.

Please find attached the revised pages 3-72.1, 3-76, Table 3-4 and 3-81, Table 3-5 for the Surety Bond Estimate Costs found in volume 1.

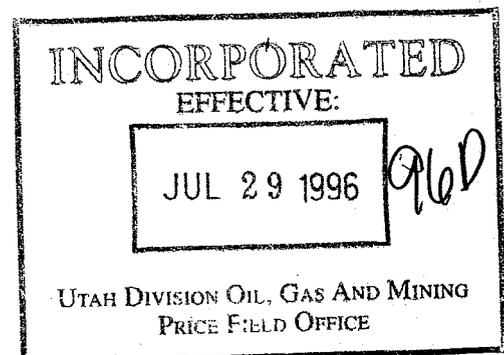
The required Drainage Control Drawing TMS1371D, Figure 7-5 and the Surface Facility Drawing TMS1362D, Figure 3-1, Volume 3, will be updated and submitted when all phases of the amendment are complete.

Thank you for your help and assistance in completing this amendment, if you have any questions or concerns please call Richard Northrup at 687-4822, or myself at 687-4722.

Sincerely



Val Payne
Sr. Environmental Engineer



APPLICATION FOR PERMIT CHANGE

Title of Change.

AMENDMENT TO YARD DRAINAGE

Permit Number: ACT 1015 1009

Mine: TRAIL MOUNTAIN

Permittee: PACIFICORP

Description, include reason for change and timing required to implement: PLACEMENT OF CONCRETE APPROACH PADS TO THE MAINTENANCE SHOP - (2) WEEKS TO COMPLETE

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

INCORPORATED EFFECTIVE: JUL 29 1996

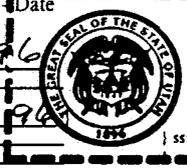
Attach ⁽⁷⁾ complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

Signed - Name - Position - Date
Vale Payne SR. ENV. ENGINEER 7/10/96

Subscribed and sworn to before me this 10th day of July 1996
Barbara J. Adams Notary Public

My Commission Expires: 10-13 1996
Attest: STATE OF UTAH COUNTY OF Emery



Received by RECEIVED Gas & Mining

JUL 23 1996

DIVISION OF OIL GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER

96D

