

TRACKING FORM

I. KEY FEATURES OF PERMITTEE'S AMENDMENT APPLICATION

Permittee: Pacific Corp	Mine Name: Trail Mountain	Amendment #: ACT/015/009-96F	Date Received / By Whom: 9-9-96 ^{HA, JP} DELIVERED
Proposal: Amendment to Yard Drainage Amendment			
Description: overall surface drainage of the 1m yard.			

II. AMENDMENT CLASSIFICATION

<input type="checkbox"/> Major Amendment	Public Notice Required	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<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		FOLLOWUP REQUIREMENTS		
Approved Effective	9/16/96	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.		

IV. COORDINATED REVIEWS

EXTERNAL AGENCIES (Mine Specific) <small>(Adverse Comments, if Any, Include in Item V)</small>			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	<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 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 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 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 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 type="checkbox"/> N/A
UT State History	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input type="checkbox"/> N/A	- Soils	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
UT Water Rights	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input type="checkbox"/> N/A	- Permitting	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
UT SITLA	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> C <input type="checkbox"/> N/A	- Other	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
Other Emery County	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> C <input type="checkbox"/> N/A			

V. FOOTNOTES/ADDITIONAL EXPLANATION AS NECESSARY

This project while titled yard drainage contains the installation of a concrete pad.

Pack Corp
Trail Mountain Mine

**SURETY BOND ESTIMATE
TABLE 3-4**

ITEM	AMOUNT LABOR MAN/SHIFT ^{1,8}	COST/MAN SHIFT	LABOR COST	EQUIPMENT ³ REQUIREMENTS	MATERIAL ⁴ EQUIPMENT SHIFT/COST ⁵	MATERIALS EQUIPMENT TOTAL COST	TOTAL LABOR MATERIALS EQUIPMENT ¹¹
Storage	1 3	160	480	Truck	3 250	750	1230
Building	1 3	160	480	Backhoe/Loader	3 225	675	1155
	2 3	120	720	None			720
Concrete Pads	1 6	160	960	235 Trackhoe	6 567	3402	4362
	1 6	160	960	10yd Rock Truck	6 226	1356	2316
	2 5	120	1200	Pickup	3 70	210	210
							1200

SUPERSEDED
EFFECTIVE:
OCT 17 1996
UTAH DIVISION OIL, GAS AND MINING

INCORPORATED
EFFECTIVE:
JUL 29 1996
UTAH DIVISION OIL, GAS AND MINING
PRICE FIELD OFFICE

**SURETY BOND ESTIMATE
TABLE 3-4**

ITEM	AMOUNT		COST/MAN SHIFT	LABOR COST	EQUIPMENT ³ REQUIREMENTS	MATERIAL ⁴ EQUIPMENT SHIFT/COST ⁵		MATERIALS EQUIPMENT	TOTAL LABOR MATERIALS EQUIPMENT ¹¹
	MAN	SHIFT ^{1,8}				TOTAL COST			
Sediment Pond	1	2	160	320	Jeffrey	2	500	1000	1320
	1	2	160	320	Loader	2	225	450	770
Seal Portals	3	10	120	3600	Concrete Block	5	1000	5000	8600
Explosive Magazine	1	2	120	240	Concrete Block	2	500	1000	1240
Culverts	1	20	160	3200	Truck	20	250	5000	8200
	1	20	160	3200	Crane	20	381	7620	10820
	2	20	120	4800	None	-	-	-	4800
	2	1	160	320	235 Hyd. Exc.	1	567	567	567
Trash Removal	1	2	120	240	Truck	1	250	250	490
					Dump Trk 16 Ton	1	227	227	227
								SUBTOTAL	\$121,186

UTAH DIVISION OIL, GAS AND MINING
OCT 17 1996
INCORPORATED
EFFECTIVE:
AUG 30 1996
910E
UTAH DIVISION OIL, GAS AND MINING
PRICE FIELD OFFICE

WINDSTURM

FAN

WATER TANK

PUMP HOUSE

TM-1
Abandoned

48" CULVERT

INCORPORATED
EFFECTIVE:
SEP 18 1998
UTAH DIVISION OIL, GAS AND MINING
PRICE FIELD OFFICE

74 FT.

25 FT.

22 FT.

AREA = 500 FT²

DROP INLET #1

C.M.P. #1

LOAD DC

FUEL PUMPS

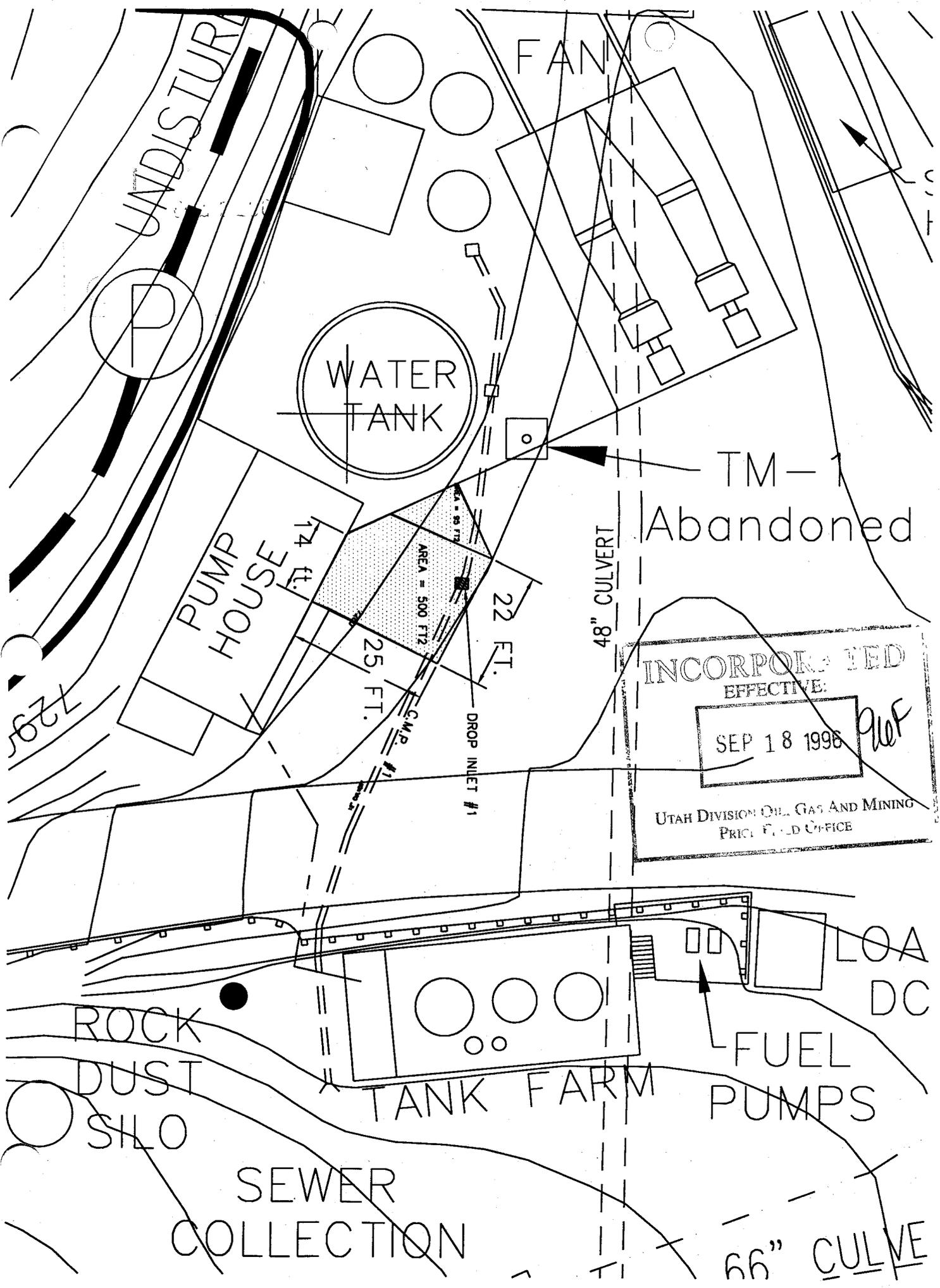
TANK FARM

ROCK DUST SILO

SEWER COLLECTION

66" CULVERT

7295

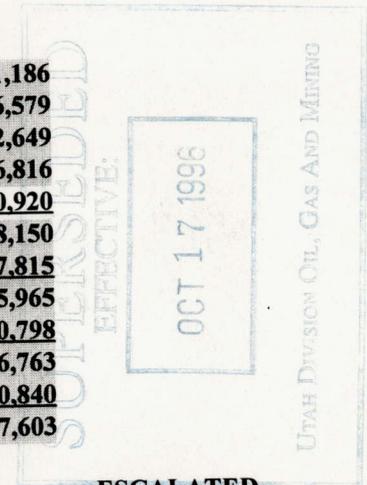


**PacifiCorp
Trail Mountain Mine**

**TABLE 3-5
RECLAMATION COST BREAKDOWN FOR RECLAMATION BOND**

1.	Surface Facility Removal
2.	Earth Moving and Recontouring
3.	Rip-Rap
4.	Revegetation
5.	Miscellaneous*
	SUBTOTAL (1984 Dollars)
	+10% Contingency
	SUBTOTAL
	+5.1% Reclamation Management
	TOTAL
	Add an inflation factor of 6.78 percent over 5 year Permit Term (1984 - 1989)
	SUBTOTAL

\$121,186
\$116,579
\$12,649
\$56,816
\$70,920
\$378,150
\$37,815
\$415,965
\$20,798
\$436,763
\$160,840
\$597,603



<u>YEAR</u>	<u>ESCALATION FACTOR***</u>	<u>ESCALATED TOTAL</u>
1989	--	\$597,603
1991	1.27%	\$609,853
1993	2.54%	\$639,163
1995	2.01%	\$665,115
1997	2.01%	\$692,121
1999	2.01%	\$720,225

<u>ESCALATION FACTOR</u>	<u>ESCALATED TOTAL</u>
0.77%	\$602,205
2.21%	\$623,330
2.01%	\$652,010
2.01%	\$678,484
2.01%	\$706,033

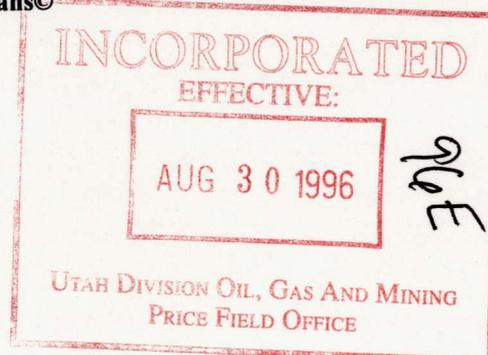
TOTAL SURETY ESTIMATE (1999 Dollars)

\$720,225
\$144,266
\$864,490

**1993 Exploration Drilling

SUGGESTED SURETY ESTIMATE

*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.
 ***Escalation Factors taken from Means©





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)

September 17, 1996

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

RE: Amendment to Yard Drainage (Concrete Pad), Trail Mountain Mine, PacifiCorp, ACT/015/009-96F, Folder #3, Emery County, Utah

Dear Mr. Payne:

This approves your permit amendment application received at the DOGM Price Field Office on September 9, 1996. The approval is effective September 18, 1996.

Follow-up Action By Permittee

Since the project involves on-the-ground construction, please submit, within 30 days after the project is complete, update 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 water tank and pump house and adjacent to an approved culvert identified in amendment 96C.

Analysis

The concrete pads will prevent problems common to ground pads i.e., 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) DOGM 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.

V. Payne/Trail Mountain
Amendment to Yard Drainage 96F
September 17, 1996

- (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.

The project does not impact lands or resources controlled by others.

- (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, reflects approved methods and disposition of concrete pads. 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.
- (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.

Sincerely,



Wm. J. Malencik
Reclamation Specialist

sd

Enclosure

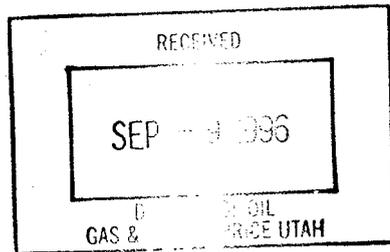
cc:

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

September 09, 1996

2

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.

96F

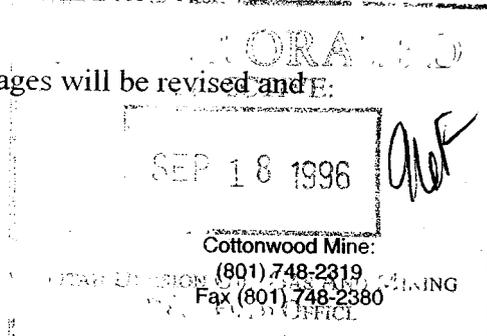
PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby requests an amendment to modify the yard drainage at the Trail Mountain Mine. The modification will aid in the overall surface drainage of the Trail Mountain Yard.

PROPOSED YARD DRAINAGE MODIFICATION

A drop inlet (# 1 on the enclosed dwg.) is the same inlet as depicted on a previous amendment, identified as Yard Drainage, ACT/015/009-96C, folder # 2. This inlet has been installed approximately 38' west of the original proposal but will still flow into the existing 12" C.M.P. (CMP #1) as shown on the attached drawing. It is now proposed that a concrete pad be installed around the drop inlet. The purpose is to improve runoff control to the drop inlet, from the surrounding area. The runoff area does not increase, therefore no additional calculations are required for this amendment.

A 8 1/2" x 11" drawing is enclosed for your convenience to review the area where the drop inlet is how the pad will be installed.

The reclamation cost increase has been addressed and the following pages will be revised and seven copies are attached for your review. (Revisions are shaded)



96F

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

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

Cottonwood Mine:
(801) 748-2319
Fax (801) 748-2380

Table 3-4

Page 3-72.1
Page 3-76

Table 3-5

Page 3-81

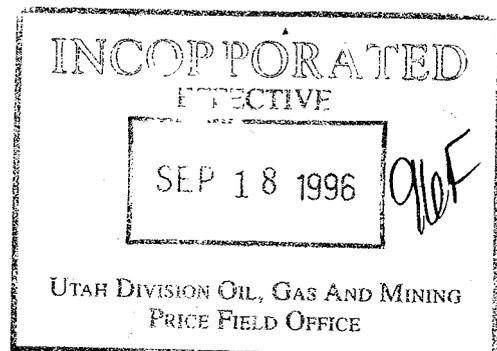
The pad and drop inlet will be depicted on the Surface Facility Drawing TMS1362D, Figure 3-1, Volume 3, after construction is completed and submitted within 30 days .

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 CONTROL*

Permit Number: *ACT 1 615 1009*

Mine: *TRAIL MOUNTAIN*

Permittee: *PACIFICORP*

Description, include reason for change and timing required to implement:
Improve Drainage by installing Concrete pad around drop inlet

- 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?
- 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?

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.

Richard Northrup Civ. Eng. 9-9-96
Signed - Name - Position - Date

Subscribed and sworn to before me this 9 day of Sept 19 96
Barbara J Adams
Notary Public
My Commission Expires: 10-19 19 96
Attest: STATE OF _____ COUNTY OF _____



Notary Public
BARBARA J. ADAMS
15 North Main
Huntington, Utah 84523
My Commission Expires
October 13, 1996
State of Utah

Received By **DOE, Gas & Mining**

SEP - 9 1996

DIVISION OF OIL
GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER

947

