

PERMIT CHANGE TRACKING FORM

- Significant Permit Revision
- Permit Amendment
- Incidental Boundary Change

DATE RECEIVED 8-25-95	By: WJM (initials)	PERMIT NUMBER	ACT/015/009
Title of Proposal: Addition of Bathhouse Trailer + concrete pad.		PERMIT CHANGE #	95H
Description: Need additional Bathhouse facilities		PERMITTEE	PACIFICORP
		MINE NAME	TRAIL MOUNTAIN MINE

<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION	DATE DUE	DATE DONE	RESULT
<input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.	8/25/95	8-28-95	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input checked="" type="checkbox"/> Responses Received.		8-26/95	COMMENTS
<input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision.)	N/A WJM		

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input checked="" type="checkbox"/> Lead WJM		8/28/95				8/28/95
<input type="checkbox"/> TA (See Attached)						
<input type="checkbox"/> Reviewers			<i>Initial Review</i>			
<input type="checkbox"/> Administrative (AVS) N/A	WJM		<i>Constitute final Review</i>			
<input type="checkbox"/> Biology N/A	WJM	8/27/95				
<input type="checkbox"/> Engineering N/A	WJM	8/27/95				
<input type="checkbox"/> Geology N/A	WJM					
<input type="checkbox"/> Soils N/A	WJM					
<input type="checkbox"/> Hydrology N/A	WJM					

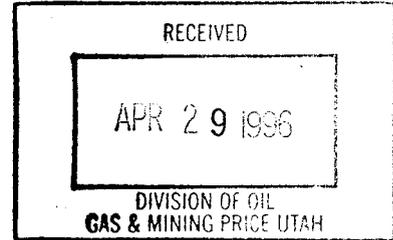
COORDINATED REVIEWS	SENT	DUE	RECEIVED	SENT	DUE	DONE
<input type="checkbox"/> OSMRE N/A	WJM					
<input type="checkbox"/> US Forest Service	8/26/95	WJM				
<input type="checkbox"/> Bureau of Land Management	8/26/95	WJM				
<input type="checkbox"/> US Fish and Wildlife Service	NA	WJM				
<input type="checkbox"/> US National Parks Service	N/A	WJM				
<input type="checkbox"/> UT Environmental Quality	8/26/95	WJM				
<input type="checkbox"/> UT Water Resources	8/26/95	WJM				
<input type="checkbox"/> UT Water Rights	}	8/26/95	<i>Emery County Bldg Dept</i>			
<input type="checkbox"/> UT Wildlife Resources		8/26/95				
<input type="checkbox"/> UT State History (SHPO)		N/A				
<input type="checkbox"/> State Trust Lands	N/A	WJM				

<input type="checkbox"/> Public Notice / Comment / Hearing Complete. (If the permit change is a Significant Revision)	N/A	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.	5/5/96
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	5/5/96	<input checked="" type="checkbox"/> Notice of <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.	8-28-95
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	N/A	<input type="checkbox"/> Copy of Approved Permit Change to File.	5/5/96
<input type="checkbox"/> TA and CHIA modified as required.	N/A	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.	5/5/96
<input type="checkbox"/> Permit Change Approval Form ready for approval.	5/4/96	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.	5/5/96



April 24, 1996

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



Attention: Bill Malencik

#2

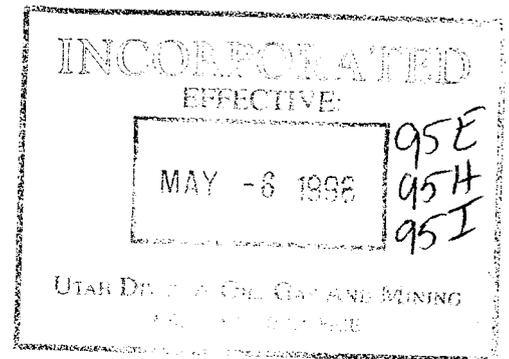
Re: UPDATED SURFACE FACILITY DRAWINGS OF COTTONWOOD MINE,
ACT/015/019 AND TRAIL MTN. MINE, ACT/015/009, EMERY COUNTY, UTAH

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, herewith submits seven (7) copies each of the Surface Facilities drawings WS449D Cottonwood Mine and TMS1362D Trail Mtn. Mine. These drawings have been updated to reflect the most recent changes.

Please call Richard Northrup at 687-4822, if there are any questions concerning these updates.

Sincerely,

Val Payne
Sr. Environmental Engineer



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

APPLICATION FOR PERMIT CHANGE

Title of Change: UPDATED SURFACE FACILITY DRAWING

Permit Number: ACT 1 015 1 009
 Mine: TRAIL MTN. MINE
 Permittee: PACIFICORP.

Description, include reason for change and timing required to implement:
SEVEN (7) Copies of the updated Trail Mtn. Surface Facility Map

- 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? EFFECTIVE: 95E
- Yes No 7. Permit change as a result of a Violation? Violation # 95H
- Yes No 8. Permit change as a result of a Division Order? D.O.# MAY - 8 1996 95I
- 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? UTAH DIVISION OIL, GAS AND MINING
- 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?

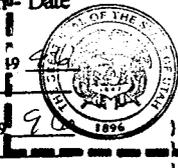
Attach 7 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

Val E Payne VAL E PAYNE SR. ENV. ENG. 4/26/96
 Signed - Name - Position - Date

Subscribed and sworn to before me this 26 day of April, 1996
Barbara J. Williams
 Notary Public

My Commission Expires: 11-13, 1996
 Attest: STATE OF Utah
 COUNTY OF Wasatch



RECEIVED
 Received by Oil, Gas & Mining
 APR 29 1996
 DIVISION OF OIL
 GAS & MINING PRICE UTAH

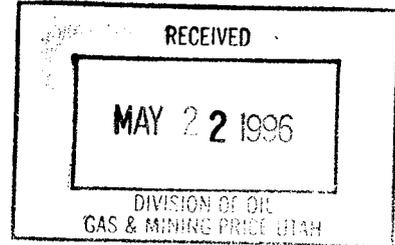
ASSIGNED PERMIT CHANGE NUMBER



Final permit
Map Attachments

May 14, 1996

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



Attention: Bill Malencik

#2

**Re: AMENDMENT FOR SHOP EXPANSION, UPDATED PLATE
7-5, PACIFICORP, TRAIL MOUNTAIN MINE, ACT/015/009-95E, EMERY
COUNTY, UTAH.**

Pacificorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, herewith submits seven (7) updated copies of the Trail Mountain Mine Surface Drainage Control Drawing # TMS1371D, Plate 7-5, Volume 3.

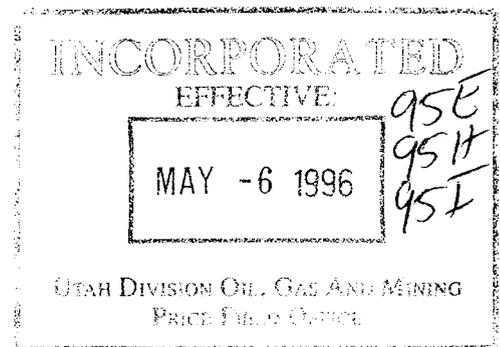
This drawing illustrates the placement of the 4" drain line from the shop expansion service pit to the concrete lined ditch, as mentioned in a letter submitted to you on September 13, 1995 and is the latest updated version of that drawing.

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

Sincerely,

Val Payne

Sr. Environmental Engineer



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

Deer Creek Mine:
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Fax (801) 381-2285

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

APPLICATION FOR PERMIT CHANGE

Title of Change:

AMENDMENT FOR SHOP EXPANSION, UPDATED DRAWING

Permit Number: *ACT 1015 1009*

Mine: *TRAIL MOUNTAIN*

Permittee: *PACIFICORP.*

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

Amendment for shop expansion - The updated drainage drawing #TMS1371D Plate 7-5 Vol. 3 depicts 4" drainage pipe to ditch line from shop pit.

- | | | |
|---|--|--|
| <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? |
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| <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? |
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| <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? |

INCORPORATED
EFFECTIVE
MAY - 6 1996

95E
95H
95I

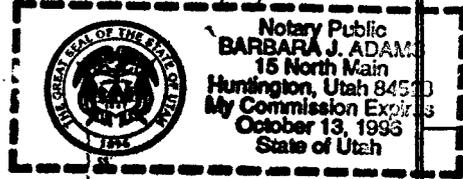
Attach ⁷ complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

Val E Payne VAL E PAYNE SR. ENV. ENG. 5/9/96
Signed - Name - Position - Date

Subscribed and sworn to before me this *9th* day of *May*, 19 *96*
Barbara J. Adams
Notary Public

My Commission Expires: *10-13*, 19 *96*
Attest: STATE OF *Utah*
COUNTY OF *Emery*



RECEIVED
Received by Oil, Gas & Mining
MAY 22 1996
DIVISION OF OIL
GAS & MINING PRICE UTAH

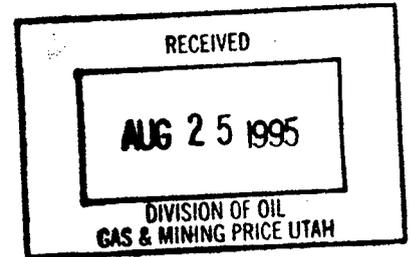
ASSIGNED PERMIT CHANGE NUMBER

95E



August 25, 1995

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



Attention: Bill Malencik

#2

**Re: AMENDMENT FOR THE ADDITION OF A BATH HOUSE TRAILER
AND CONCRETE PAD, PACIFICORP, TRAIL MOUNTAIN MINE,
ACT/015/009, EMERY COUNTY, UTAH.**

95H
PacifiCorp requests an amendment to allow installation of a Bath House Trailer and Concrete Pad. The location of the Trailer and Concrete pad are shown on the enclosed 8½" X 11" drawing.

A Trailer from the parking lot area has been removed. The new Trailer is the same size as the old Trailer. Reclamation costs for the new Trailer will remain the same in the MRP as the costs covering the old Trailer.

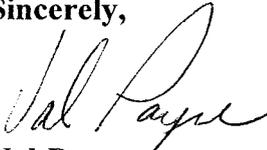
Pages 3-72, 3-76 and 3-81 have been revised to show the reclamation costs associated with the concrete pad. The reclamation costs associated with the concrete pad is \$1,316 (1984 Dollars). The reclamation costs have been escalated to represent 1999 Dollars. The Total Reclamation cost for the Trail Mountain Mine is now \$839,788, which is under the bonded amount of \$1,000,000. Enclosed is an approval letter from Emery County for the installation of the new Bath House.

The amendment is within the existing disturbed area. Drainage from this area is treated by the sediment pond.

Please find enclosed fourteen (14) copies of pages 3-72, 3-76 and 3-81. Updated copies of Plate 3-1 & 7-5 will be sent to the Division upon completion of the Trailer and Concrete Pad installation.

Your help is greatly appreciated. If you have any questions please feel free to contact Karl Houskeeper at 687- 4825.

Sincerely,

A handwritten signature in cursive script that reads "Val Payne". The signature is written in black ink and is positioned above the printed name.

Val Payne
Sr. Environmental Engineer

KRH/krh

cc: Pam Grubaugh-Littig - DOGM
Morgan Moon
J. Blake Webster
File

APPLICATION FOR PERMIT CHANGE

Title of Change:

TRAILER
Addition of A BATH House and
concrete Pad.

Permit Number: ACT 1015 1009

Mine: Trail Mountain

Permittee: Pacifi Corp

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

Need additional Bathhouse Facilities

- | | | | |
|---|--|---|---|
| <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. | RECEIVED

AUG 25 1995

DIVISION OF OIL
GAS & MINING PRICE UTAH |
| <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? | |
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| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 16. Does permit change require or include <u>construction, modification</u> , or removal of surface facilities? | |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 17. Does permit change require or include water monitoring, sediment or drainage control measures? | |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 18. Does permit change require or include certified designs, maps, or calculations? <i>Surface map & Drainage map</i> | |
| <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 checked="" type="checkbox"/> Yes | <input 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 <i>APPLIED BY EMERY COUNTY</i> 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 ¹⁴ **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.

Val E Payne VALEPAYNE SR. ENV. ENGINEER 8/25/95
Signed - Name - Position - Date

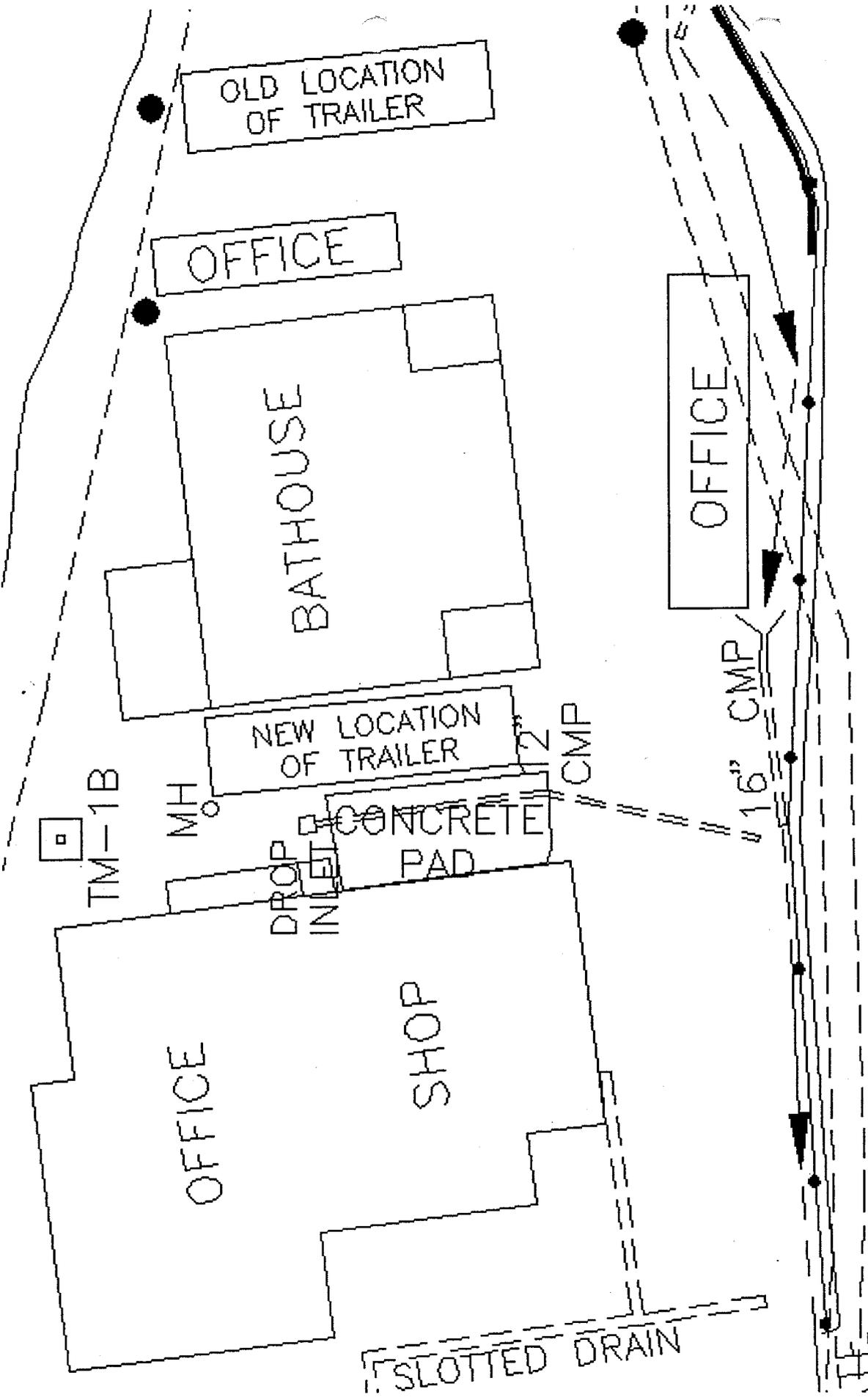
Subscribed and sworn to before me this 25 day of August, 19 95.
Lori Ann Anderson
Notary Public
My Commission Expires: December 22, 19 97
Attest: STATE OF Utah
COUNTY OF Emery



NOTARY PUBLIC
Lori Ann Anderson
15 North Main St.
Huntington, Utah 84520
My Commission Expires
December 22, 1997
STATE OF UTAH

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER



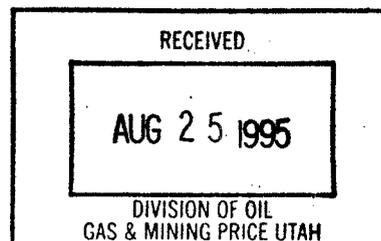
RECEIVED
AUG 25 1995
 DIVISION OF OIL
 GAS & MINING PRICE UTAH

**EMERY COUNTY PLANNING AND ZONING**

Bryant Anderson, Administrator

August 15, 1995

Mr Karl Housekeeper
PacifiCorp Field Office
PO Box 1005
Huntington, Utah 84528



Dear Mr Housekeeper,

In response to our phone conversation concerning the Emery County Planning Zoning Site Plan Approval for the expansion and remodeling of coal handling and mine access of Energy West's Trail Mountain facility. The project was presented to the Planning Commission Staff and the Planning Commission. The Planning Commission gave it's approval to the site plan on March 1, 1995.

The following month on April 5th, Energy West came before the Planning Commission with the following additions to the project which were also approved:

- Sewer Transfer System
- 69KV Power Line Installation
- Paving of the Parking Lot
- Shop Addition
- Additional Bath house

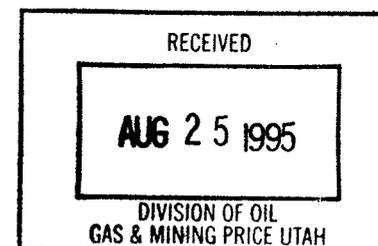
Any questions regarding these site plan approvals may be directed to my office.

Sincerely,

Bryant Anderson, Zoning Administrator

**SURETY BOND ESTIMATE
TABLE 3-4**

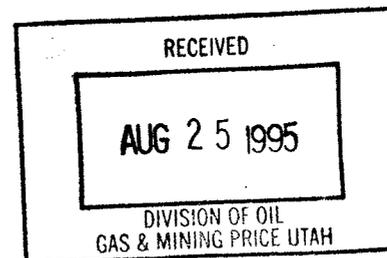
<u>ITEM</u>	<u>AMOUNT LABOR MAN/SHIFT^{1,8}</u>	<u>COST/MAN SHIFT</u>	<u>LABOR COST</u>	<u>EQUIPMENT² REQUIREMENTS</u>	<u>MATERIAL⁴ EQUIPMENT SHIFT/COST⁵</u>	<u>MATERIALS EQUIPMENT TOTAL COST</u>	<u>TOTAL LABOR MATERIALS EQUIPMENT¹¹</u>
SURFACE FACILITY REMOVAL							
Substation and Powerline	1/3 1/3 2/3	160 160 120	480 480 720	Truck Crane None	3/250 ⁽¹³⁾ 3/381	750 1143	1230 1623 720
Office/Shop/Bathhouse	1/10 2/5 4/6	160 120 160	1600 1200 3840	Truck Backhoe/Loader None	11/250 12/225	2750 2700	2750 4300 1200 3840
				Track Hoe 5DT Crane 10 YD. Dump	1/567 1/445 2/226	567 445 452	567 445 452
Water and Fuel System	1/4 1/4 1/4	160 160 120	640 640 480	Truck Backhoe/Loader None	4/250 2/225	1000 450	1640 1090 480
Sewer System/Collection Pumping Station	1/1 2/4 2/3	120 123 123	120 984 738	Pump and Plug Septic Tanks Utility Truck 25 Ton Crane 235 Hyd. Excavator	1/100 2/70 3/297 1/567	100 140 891 567	220 1124 1629 567
Generator House	1/1 1/1 1/1	160 160 120	160 160 120	Truck Backhoe/Loader None	1/250 1/225	250 225	410 385 120



PacifiCorp
Trail Mountain Mine

**SURETY BOND ESTIMATE
TABLE 3-4**

ITEM	AMOUNT LABOR MAN/SHIFT ^{1,8}	COST/MAN SHIFT	LABOR COST	EQUIPMENT ⁹ REQUIREMENTS	MATERIAL ⁴ EQUIPMENT SHIFT/COST ⁶	MATERIALS EQUIPMENT TOTAL COST	TOTAL LABOR MATERIALS EQUIPMENT ¹
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
Trash Removal	1/2	120	240	Truck	1/250	250	<u>490</u>
						SUBTOTAL	<u>\$113,190</u>
Earth Moving and Recontourin g (10,12)	1/25 (14,17)	160	4000	Dozer	25/703	17575	21575
	1/62 (15)	160	9920	988 Loader	62/971	60202	70122
	1/15 (16)	160	2400	Track Excavator	15/954	14310	<u>16710</u>
						SUBTOTAL	\$108,407
Riprap (19)	1/12	160	1920	Truck	12/250	3000	4920
	1/12	160	1920	Backhoe/loader	12/225	2700	4620
	1/12	120	1440	None	-	-	<u>1440</u>
						Subtotal	\$10,980



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

1.	Surface Facility Removal	<u>\$113,190</u>
2.	Earth Moving and Recontouring	108,407
3.	Rip-Rap	10,980
4.	Revegetation	56,096
5.	Miscellaneous*	<u>70,920</u>
	SUBTOTAL (1984 Dollars)	<u>\$359,593</u>
	+10% Contingency	<u>35,959</u>
	SUBTOTAL	<u>\$395,552</u>
	+5.1% Reclamation Management	<u>20,173</u>
	TOTAL	<u>\$415,725</u>
	Add an inflation factor of 6.78 percent over 5 year Permit Term (1984 - 1989)	<u>161,381</u>
	SUBTOTAL	<u>\$577,106</u>

<u>YEAR</u>	<u>ESCALATION FACTOR***</u>	<u>ESCALATED TOTAL</u>	<u>YEAR</u>	<u>ESCALATION FACTOR</u>	<u>ESCALATED TOTAL</u>
1989	--	\$577,106	1990	0.77%	\$581,550
1991	1.27%	\$588,935	1992	2.21%	\$601,951
1993	2.54%	\$617,240	1994	2.01%	\$629,647
1995	2.01%	\$642,303	1996	2.01%	\$655,213
1997	2.01%	\$668,383	1998	2.01%	\$681,817
1999	2.01%	\$695,522			

TOTAL SURETY ESTIMATE (1999 Dollars)	<u>\$695,522</u>
**1993 Exploration Drilling	<u>144,266</u>
SUGGESTED SURETY ESTIMATE	<u>\$839,788</u>

*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©

