

# PERMIT CHANGE TRACKING FORM

- Significant Permit Revision
- Permit Amendment
- Incidental Boundary Change

DATE RECEIVED <b>9-14-95</b>	By: <b>WJM</b> (initials)	PERMIT NUMBER	ACT/015/009
Title of Proposal: <b>Sediment Pond Cleaning Project</b>		PERMIT CHANGE #	<b>95J</b>
Description: <b>to allow cleaning on 9/25/95</b>		PERMITTEE	<b>PACIFICORP</b>
		MINE NAME	<b>TRAIL MOUNTAIN MINE</b>

<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.			<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> Responses Received.			COMMENTS
<input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision.)			

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Lead						
<input type="checkbox"/> TA (See Attached)						
<input type="checkbox"/> Reviewers <b>WJM 9/21/95</b>		<b>9/21/95</b>				
<input type="checkbox"/> Administrative (AVS)						
<input type="checkbox"/> Biology						
<input type="checkbox"/> Engineering						
<input type="checkbox"/> Geology						
<input type="checkbox"/> Soils						
<input type="checkbox"/> Hydrology						

COORDINATED REVIEWS <i>These completed</i>	SENT	DUE	RECEIVED	SENT	DUE	DONE
<input checked="" type="checkbox"/> MSHA						<input checked="" type="checkbox"/>
<input type="checkbox"/> OSMRE						<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> US Forest Service						<input checked="" type="checkbox"/>
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input checked="" type="checkbox"/> UT Environmental Quality						<input checked="" type="checkbox"/>
<input type="checkbox"/> UT Water Resources						
<input checked="" type="checkbox"/> UT Water Rights						<input checked="" type="checkbox"/>
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History (SHPO)						
<input type="checkbox"/> State Trust Lands						

<input type="checkbox"/> Public Notice / Comment / Hearing Complete. (If the permit change is a Significant Revision) NA	<input checked="" type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.	9/21/95
<input checked="" type="checkbox"/> Copies of permit change marked and ready for MRP.	Yes	9/21/95
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	N/A	9/21/95
<input checked="" type="checkbox"/> TA and CHIA modified as required.	Yes	9/21/95
<input checked="" type="checkbox"/> Permit Change Approval Form ready for approval.	Yes	9/21/95

Superseded 7/31/94

PacifiCorp  
Trail Mountain Mine

Riprap was placed in the inlet channels and below the outlet conduit of the pond to dissipate energy and reduce erosion potential. Riprap shall also be placed on the inside slope of the pond embankment to a width of five feet on both sides of the spillway and dewatering device up the full height of the embankment to protect the embankment from erosion.

The outlet culvert from the pond discharges onto the riprap protection on the main channel as described in Appendix 7-3.

Sediment Disposal Plans - Federal and State regulations require that sediment, which has accumulated in the pond, be removed when 60 percent of the design sediment storage volume has been filled. The point at which cleanout becomes necessary is 11.2 feet below the top of the riser and can be measured directly with a tape. Sediment removed from the pond will be temporarily stored within the drainage basin to the pond. Removed sediment is disposed of at the Cottonwood Waste Rock Facility..

Pond Reclamation - The disturbed area of the pond has been seeded with the interim (contemporaneous) seed mix. Permanent reclamation of the pond is discussed under Section 7.4.

#### **7.2.5 Effect of Mining on the Surface Water Hydrologic Balance**

As has been previously mentioned, the occurrence and quality of water in any region is highly controlled by geology. Section 7.1.3.1 Regional Groundwater Hydrology of this chapter describes in detail the influence geology has on the hydrologic regime. Major drainages conveying runoff away from the permit area are Cottonwood Canyon Creek and Straight Canyon. With the exception of the very headwater regions of these drainage basins, mining and, therefore, subsidence will not occur beneath the major stream channels of these canyons. In the majority of cases, cracking due to subsidence is not anticipated to extend to the surface; therefore, surface runoff patterns will not be significantly affected. Data collected by PacifiCorp over a ten-year period on



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 21, 1995

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

RE: Sediment Pond Cleaning Procedure, PacifiCorp, Trail Mountain Mine, ACT/015/009-95J, Folder #3, Emery County, Utah

Dear Mr. Payne:

This approves your MRP amendment, revising the sediment et. al. clean out procedures on the Trail Mountain Mine sediment pond.

The aforementioned amendment is approved effective September 21, 1995. The approval is based on the information you submitted together with the regulatory findings cited below.

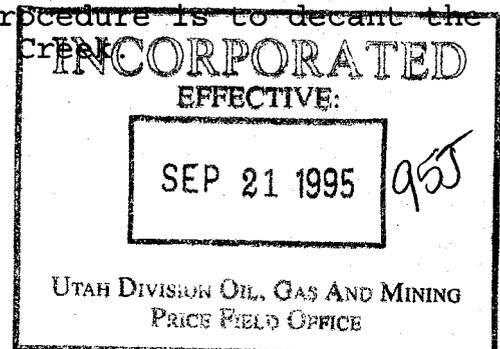
Followup Action By Permittee

Pages 7-42 and 7-42.1 are hereby approved and must be filed in the MRP's that you are obligated to keep current.

Project Description

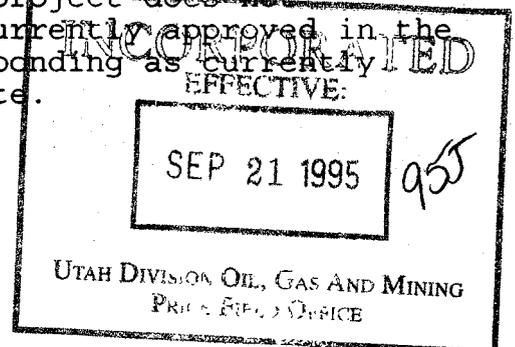
This project amendment concerns procedures to be included in the MRP pertinent to cleaning the Trail Mountain sediment pond.

The keystone change involves two options to dispose of runoff water in the sediment pond, to-wit (1) pump water into the old mine workings and (2) to transport the water to the approved waste rock site. The current approved procedure is to decant the water under UPDES permit into Cottonwood Creek.



Findings

- (1) AMENDMENT APPLICATION. The applicant, PacifiCorp, has submitted a complete and accurate amendment application. The significant change on page 7-42 and 7-42.1 of the amendment is shaded.
- (2) DOGM PERMIT STATUS. The pond water and sediment storage areas as proposed, lie within the current permit area.
- (3) ACTIVE MINE. The area is included in an active approved coal mining and reclamation operation and is within the existing disturbed area and the sediment and sludge will be stored at the approved Cottonwood Waste Rock Site.
- (4) LAND STATUS. Sediment and sludge will be stored on BLM lands at the approved Cottonwood Waste Rock Site. Three options exist on the water storage involving government land and/or patented land.
- (5) OTHER APPROVAL/COORDINATION. The other agencies contacted included DEQ, Water Rights, USFS, and MSHA. All agencies did not have any problems with the project.
- (6) IMPACTS. The instant project, with the sediment clean out and water deposition as described herein, does not appear to have an adverse impact on the hydrologic balance, nor does it involve a critical habitat area. The disturbed drainage area to the pond embraces seven acres, and the primary runoff is from snow and rain.
- (7) RECLAMATION AND BONDING. This project does not increase the scope of work as currently approved in the reclamation plans. Therefore, bonding as currently held by the permittee is adequate.

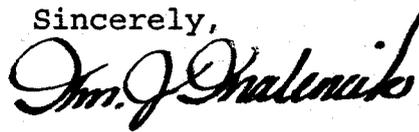


Page 3  
V. Payne/Trail Mtn.  
Sediment Pond Cleaning-95J  
September 21, 1995

- (8) RECORD UPDATE. The DOGM Technical Analysis has been updated to reflect information pertinent to this amendment.

MRP pages 7-42 and 7-42.1, dated 9/12/95 as provided herein are approved and must be incorporated in the MRP's that you are required to keep current.

Sincerely,

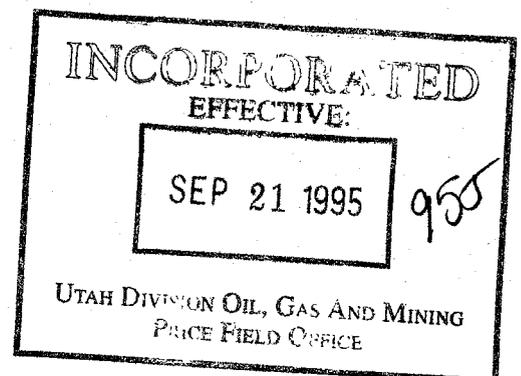


Wm. J. Malencik  
Reclamation Specialist

sd

Enclosure

cc: James Fulton, OSM, Denver  
Mark Bailey, BLM, Price  
Janette Kaiser, USFS, Price  
Mark Page, State Eng, Price  
Dave Ariotti, DEQ, Price  
Bill Bates, DWR, Price  
Scott Hirschi, Trust Lands, SLC, w/o enc  
Joe Helfrich, DOGM, SLC, w/o enc  
Pam Grubaugh-Littig, DOGM, SLC  
Karl Houskeeper, Pacificorp, Huntington, w/o enc



One Utah Center  
201 South Main, Suite 2100  
Salt Lake City, Utah 84140-0021  
(801) 220-2000

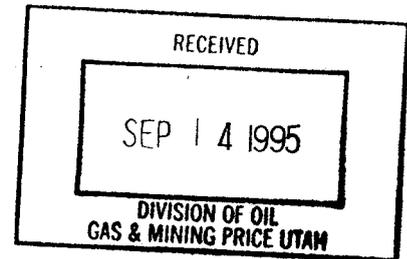
Val E. Payne  
Sr. Env. Engineer  
Energy West Mining Co.  
P. O. Box 310  
Huntington, UT 84528  
(801) 687-9821  
FAX (801) 687-2695



September 13, 1995

Division of Oil, Gas and Mining  
451 East 400 North  
P.O. Box 156  
Price, UT 84501

#2  
955



Attn: William Malencik

RE: SEDIMENT POND CLEANING PROCEDURE AMENDMENT, PACIFICORP, TRAIL MOUNTAIN MINE, ACT/015/009, EMERY COUNTY, UTAH

Please find enclosed the following amendment which outlines the procedure for cleaning sediment from the Trail Mountain Mine sediment pond. We would appreciate a timely review of the proposed amendment so approval will be received prior to the September 25, 1995 scheduled cleaning date.

The State Department of Environmental Quality (David Ariotti, District Engineer) and Engineer's Office, Water Rights (Mark Page) have been contacted concerning the proposed procedure and removal of approximately 0.25 ac.ft. of water. In addition, MSHA (via Randy Tatton, Energy West Mining Co. Safety Department) and the U.S. Forest Service (Carter Reed) have been contacted. All have indicated no need for approval from their office or agency.

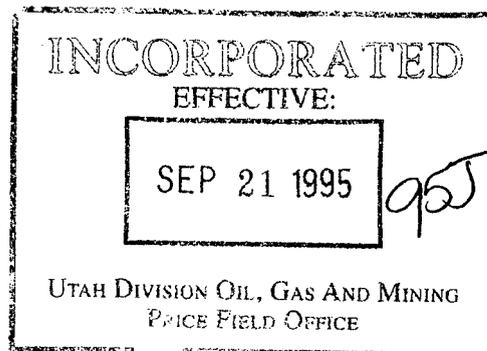
If there are any questions, please call Guy Davis at 687-4822 or Karl Houskeeper at 687-4825.

Sincerely,

  
Val E. Payne  
Sr. Env. Engineer

gd/

cc: John Christensen  
Pamela Grubaugh-Littig (DOG M)  
Morgan Moon



# APPLICATION FOR PERMIT CHANGE

Title of Change:

Sediment Pond cleaning  
Procedure amendment

Permit Number: ACT 1015 1009

Mine: Trail Mountain

Permittee: Pacificorp

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

amendment to allow cleaning of the sediment pond.  
Scheduled cleaning date 9/25/95

- 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 <sup>14</sup> 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 Payne VAL PAYNE SR. ENVIRONMENTAL DIR. 9/25/95  
Signed - Name - Position - Date

Subscribed and sworn to before me this 13 day of Sept, 1995  
Barbara J Adams  
Notary Public

My Commission Expires: 10-13, 1996  
Attest: STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_



Notary Public  
BARBARA J. ADAMS  
15 North Main  
Huntington, Utah 84301  
My Commission Expires  
October 13, 1996  
State of Utah

RECEIVED  
DIVISION OF OIL, GAS & MINING  
SEP 17 1995

SEP 21 1995  
DIVISION OF OIL, GAS & MINING PRICE UTAH

UTAH DIVISION OIL, GAS AND MINING  
PRICE FIELD OFFICE

ASSIGNED PERMIT CHANGE NUMBER  
955



PacifiCorp  
Trail Mountain Mine

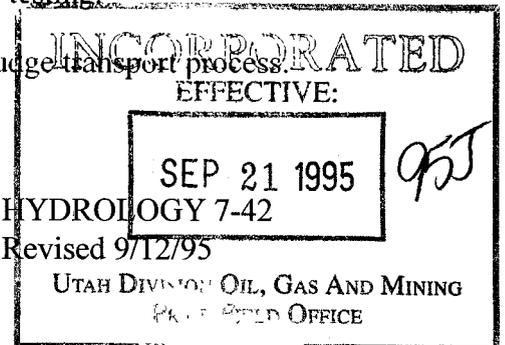
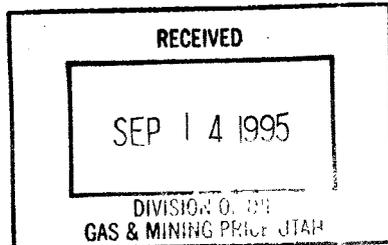
Riprap was placed in the inlet channels and below the outlet conduit of the pond to dissipate energy and reduce erosion potential. Riprap shall also be placed on the inside slope of the pond embankment to a width of five feet on both sides of the spillway and dewatering device up the full height of the embankment to protect the embankment from erosion.

The outlet culvert from the pond discharges onto the riprap protection on the main channel as described in Appendix 7-3.

Sediment Disposal Plans - Federal and State regulations require that sediment, which has accumulated in the pond, be removed when 60 percent of the design sediment storage volume has been filled. The point at which cleanout becomes necessary is 11.2 feet below the top of the riser and can be measured directly with a tape. Sediment removed from the pond will be temporarily stored within the drainage basin to the pond. Removed sediment is disposed of at the Cottonwood Waste Rock Facility.

The procedure for sediment pond cleaning is as follows:

1. Decanting of the pond water:
  - A. Discharge through the primary spillway, according to UPDES requirements, and/or;
  - B. Pumping the water behind abandoned, sealed mine workings, and/or;
  - C. Hauling to the Cottonwood Waste Rock Storage Facility's sediment pond.
2. Sediment disposal at the Cottonwood Waste Rock Facility.
3. Division's "Title V Coal Program Policy for Disposal of Sediment Pond Waste" guideline will be followed for sediment samples and testing.
4. Division will be contacted at the beginning of the sludge transport process.

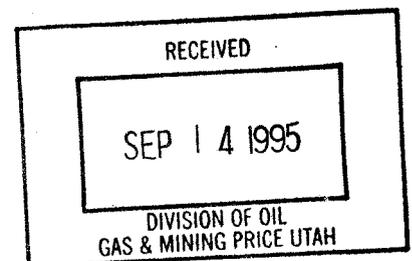
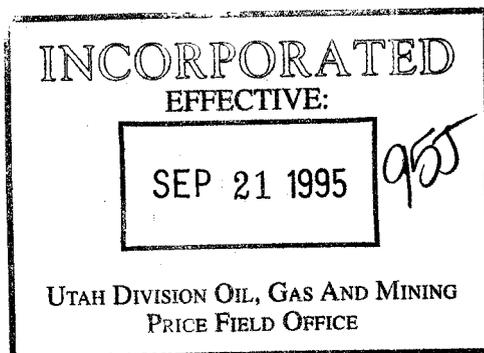


PacifiCorp  
Trail Mountain Mine

Pond Reclamation - The disturbed area of the pond has been seeded with the interim (contemporaneous) seed mix. Permanent reclamation of the pond is discussed under Section 7.4.

### 7.2.5 Effect of Mining on the Surface Water Hydrologic Balance

As has been previously mentioned, the occurrence and quality of water in any region is highly controlled by geology. Section 7.1.3.1 Regional Groundwater Hydrology of this chapter describes in detail the influence geology has on the hydrologic regime. Major drainages conveying runoff away from the permit area are Cottonwood Canyon Creek and Straight Canyon. With the exception of the very headwater regions of these drainage basins, mining and, therefore, subsidence will not occur beneath the major stream channels of these canyons. In the majority of cases, cracking due to subsidence is not anticipated to extend to the surface; therefore, surface runoff patterns will not be significantly affected. Data collected by PacifiCorp over a ten-year period on



HYDROLOGY 7-42.1  
Added 9/12/95