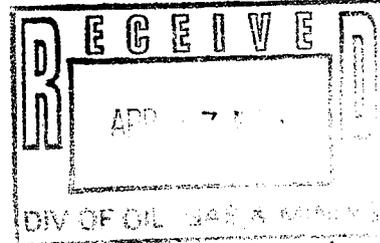




March 14, 1995

Utah Coal Regulatory Program
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Put in #

Attention: Pamela Grubaugh-Littig

Re: PERMIT RENEWAL DEFICIENCIES, PACIFICORP, TRAIL
MOUNTAIN MINE, ACT/015/009-94C, EMERY COUNTY, UTAH.

#2 Copy Pam

Per the Division letter dated February 22, 1995 pages 3-36 and 3-40 have been revised as follows:

Page 3-36 Revised to indicate Chapter 7, section 7.1.

Page 3-40 Revised to indicate 1992 Annual Hydrologic Report.

Please find enclosed three (3) copies of pages 3-36 and 3-40.

Your help is greatly appreciated. If you have any questions please feel free to contact Karl Houskeeper at 653-2312 ext. #15 or myself at 653-2312 ext. #16.

Sincerely,

Val Payne
Sr. Environmental Engineer

KRH/krh

cc: Morgan Moon
J. Blake Webster
File

APPLICATION FOR PERMIT CHANGE

Title of Change:

TRAIL MTN. PERMIT RENEWAL - ADDITIONAL INFORMATION

Permit Number: *ACT1015 1009*

Mine: *TRAIL MOUNTAIN*

Permittee: *PACIFICORP*

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

ADDITIONAL INFORMATION IN RESPONSE TO DIVISION LETTER DATED FEB. 22, 1995.

- | | | |
|------------------------------|--|--|
| <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 type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 16. Does permit change require or include construction, modification, 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 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 type="checkbox"/> Yes | <input checked="" 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.

W. Dale VALE PAYNE SR. ENVIRONMENTAL ENG. 4/1/95
Signed / Name - Position - Date

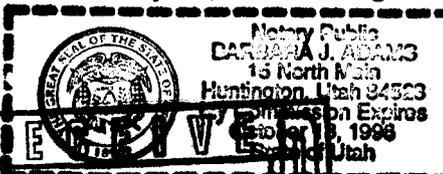
Subscribed and sworn to before me this 11th day of April, 1995
Barbara J. Adams
Notary Public

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



Notary Public
BARBARA J. ADAMS
15 North Main
Huntington, Utah 84528
My Commission Expires
October 13, 1996
State of Utah

Received by Oil, Gas & Mining



APR 17 1995
ASSIGNED PERMIT CHANGE NUMBER
DIV OF OIL GAS & MINING

Sedimentation production from the berm outslope to the creek has been greatly reduced by a portion of the creek being placed in a bypass culvert. This bypass culvert was installed in 1983, and extended some 300' to the north in 1990.

All mine portals are designed in accordance with R645-301-731.521. This ensures that water will not discharge from the portal by gravity flow. Upon reclamation of the mine, portal seals will be placed in all entries as soon as underground reclamation has been completed.

3.4.3.1 PROJECTED IMPACTS OF MINING ON THE GROUNDWATER HYDROLOGIC BALANCE

Geology controls movement of groundwater. Because of the low permeability of the consolidated sedimentary rocks in the Trail Mountain area, groundwater is primarily through fractures. Data has been collected from numerous coal exploration drill holes, from within the mine workings, from surface drainages, and from spring surveys. The data have identified two separate isolated aquifer systems on the Trail Mountain property; the first is localized perched water tables in the North Horn Formation, and the second is a combination of localized perched water tables in the Blackhawk Formation and the Starpoint Sandstone which exhibits some limited potential as a regional aquifer. Due to the limited recharge to the Blackhawk Formation, mining within the Trail Mountain Permit Area will have negligible impact on the regional hydrologic balance. A complete description of the hydrologic/geologic resources of the Trail Mountain area is discussed in Chapter 7, section 7.1.

1) Cottonwood Creek Basin has a greater portion of area with southern exposure with more gradual slopes than Hunting Creek Basin and 2) possible subsurface movement of water through fractures associated with Joe's Valley Fault. About seventy percent of the total discharge at the Cottonwood Creek station above Straight Canyon for the water year 1979 occurred during the snow melt period (April-July).

Sixty years of data are available for the gaging station on Cottonwood Creek near Orangeville (9324500). The drainage area above Orangeville contributing to Cottonwood Creek is approximately 208 square miles. Cottonwood Creek has an average discharge near Orangeville of about ninety-five (95) cfs, or 69,000 acre-feet per year. The maximum and minimum discharges of record on Cottonwood Creek near Orangeville are 7,220 cfs (August 1, 1964) and 1.2 cfs (April 8, 1966), respectively.

The mine permit area is drained by minor drainage systems associated with Cottonwood Canyon Creek.

Cottonwood Canyon Creek is a major drainage system which borders the eastern limit of the Trail Mountain permit area. Based on data collected by PacifiCorp, (see 1992 Annual Hydrologic Report) Cottonwood Canyon Creek is an ephemeral stream from its headwaters to the northeast quarter of Section 24 Township 17 South, Range 6 East and intermittent from that point to its confluence with Cottonwood Creek at Straight Canyon. During periods of drought, flow in Cottonwood Canyon Creek is limited to flow emanating from the alluvial deposits at the intersection with Roans Canyon. From the intersection with Roans Canyon to Section 36 the stream loses water to alluvial deposits. The drainage is dry from Section 36 to Section 6 except during spring runoff which normally occurs from late April through June or during

Sedimentation production from the berm outslope to the creek has been greatly reduced by a portion of the creek being placed in a bypass culvert. This bypass culvert was installed in 1983, and extended some 300' to the north in 1990.

All mine portals are designed in accordance with R645-301-731.521. This ensures that water will not discharge from the portal by gravity flow. Upon reclamation of the mine, portal seals will be placed in all entries as soon as underground reclamation has been completed.

3.4.3.1 PROJECTED IMPACTS OF MINING ON THE GROUNDWATER HYDROLOGIC BALANCE

Geology controls movement of groundwater. Because of the low permeability of the consolidated sedimentary rocks in the Trail Mountain area, groundwater is primarily through fractures. Data has been collected from numerous coal exploration drill holes, from within the mine workings, from surface drainages, and from spring surveys. The data have identified two separate isolated aquifer systems on the Trail Mountain property; the first is localized perched water tables in the North Horn Formation, and the second is a combination of localized perched water tables in the Blackhawk Formation and the Starpoint Sandstone which exhibits some limited potential as a regional aquifer. Due to the limited recharge to the Blackhawk Formation, mining within the Trail Mountain Permit Area will have negligible impact on the regional hydrologic balance. A complete description of the hydrologic/geologic resources of the Trail Mountain area is discussed in Chapter 7, section 7.1.

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APPLICATION FOR PERMIT CHANGE #2

QAL

Title of Change:

Permit Renewal

Permit Number: *ACT 015 1009*

Mine: *Trail Mountain*

Permittee: *Pacificorp*

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

Finalized Twelve copies

- 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 ¹² 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 VALE PAYNE SR. ENVIRONMENTAL ENGINEER 5/31/95
Signed - Name - Position - Date

Received by Oil, Gas & Mining

Subscribed and sworn to before me this 31st day of May, 1995.
Barbara J. Adams
Notary Public

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



ASSIGNED PERMIT CHANGE NUMBER

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change:

Permit Renewal

Permit Number: ACT / 015 / 009

Mine: TRAIL MOUNTAIN

Permittee: PACIFICORP

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED

<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	DESCRIPTION
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chapters 1-11 in the three binders that the Division already has.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Replace Plates 6-3, 6-4, 6-5 in Existing 3 copies
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendices From Beaver creek coal company Previous Permit to appendices volumes enclosed (Nine sets).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 3-3(L) From Beaver creek lease by Application ^{to appendices.}
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 4-2(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	appendix 5-1(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	appendix 7-14(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 7-15(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 8-1(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 8-2(L) " " "
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix 10-8(L) " " "
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appendix 7-1 in the Divisions These copies
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TRANSFER appendix 12-4 to 11-4, 12-5 to 11-5 ^(appendices volume)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TRANSFER appendix 12-1(L) Beaver creek lease application ^{appendix} to 11-6 appendices volume
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	sheet in appendix 3-10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

{ Nine complete sets are enclosed in binders. appendices still need to be transferred into these sets as indicated above. }