

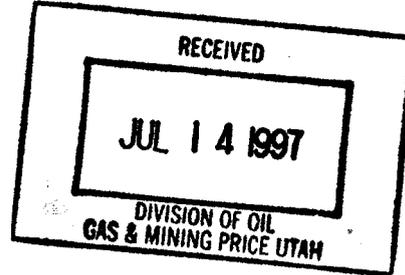
0011



PO Box 310
Huntington, Utah 84528

July 10, 1997

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



Attention: Mr. Bill Malencik

97B

ACT/015/009 #2

Re: Amendment to Re-Locate the Trail Mountain Mine Water Discharge Line, 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, herewith submit an amendment to re-locate the Trail Mountain Mine Water Discharge Line.

Introduction:

Currently, there exists a 4" line that can either discharge water to the sediment pond or in into Cottonwood Canyon Creek under the approved UPDES permit (UTG040003). The 4" line exits the belt portal and runs above ground along the ancillary roadway and then drops off the embankment to a tee which can divert the discharge water either to the sediment pond or to Cottonwood Canyon Creek. PacifiCorp proposes to re-locate the discharge line to a location near the ventilation fan. Since development and retreat mining has moved to the west side of the mine, intercepted groundwater has steadily increased to a point where discharge from the mine is necessary. The existing 4" line will be disconnected within the mine but left in place so that it can easily be reconnected if needed in an emergency situation.

Operations:

Energy West proposes to replace the 4" discharge line with a 8" steel pipe discharge line that connects between the existing 8" line that transports mine water from the in-mine sumps to the 100,000 gallon storage tank. From the storage tank, the water can be discharged to an existing 48" culvert that underlies the surface facilities yard to a 66" culvert that discharges into Cottonwood Creek. This line will be approximately 80' in length with 60' being above ground and insulated for freeze protection during the winter months and 20' being buried below frost depth where it connects into the 48" culvert.

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

A sample point and flowmeter will be installed in the 8" line in order to monitor UPDES compliance. The flowmeter will be capable of recording an instantaneous and a running total of flow. Thus, the amount of discharge can be monitored over a specific amount of time (refer to drawing TMS1720D for details). Drawing TMS1720D depicts the proposed replacement 8" line, dimensions and functional details. This drawing is included as reference only and will not be incorporated into the permit.

As part of the mine water discharge re-location project, the 100,000 gallon tank emergency overflow will be valved and directed into the 8" discharge line. Currently, a drop inlet located adjacent to the 100,000 gallon water tank is used for emergency tank discharge and surface runoff. A 6" emergency overflow line from the water storage tank is plumbed and directed into the drop inlet. The new installation will tee into the existing 6" overflow line which will be valved and direct flow back into the main 8" discharge line.

Hydrology:

Discharge from the Trail Mountain Mine (UTG040003-002) is limited to one/ton of salts/day. The maximum discharge rate is calculated based on the Total Dissolved Solids (TDS) concentration of the intercepted groundwater. Based upon the projected discharge rate of 200 gallons per minute, culvert designs of both the side canyon and main canyon were analyzed to verify existing and projected capacities. The following table lists the design criteria along with the influence of the mine discharge (refer to the attached culvert worksheet for the detailed analysis. Worksheets are for reference only):

WATER DEPTHS INSIDE CULVERT		
CULVERT	DESIGNED STORM	DESIGNED STORM <i>plus 200 gpm</i>
48" SIDE CANYON	1.46 Feet (80.10 cfs flow)	1.47 Feet (80.55 cfs flow)
66" COTTONWOOD CRK.	4.41 Feet (510 cfs flow)	4.41 Feet (510.45 cfs flow)

Revisions:

When this amendment is approved and construction finalized all necessary drawings requiring revision to depict the new pipe line will be sent to the Division in an As-Built amendment.

D.O.G.M
July 10, 1997
Page Three

Revised pages are as listed:

1. Page 7-37, Volume 2 (highlighted)
2. Page 7-38, Volume 2 (highlighted)

Revised drawings to be sent after construction in an As-Built amendment are as listed:

1. Plate 3-1 Trail Mountain Surface Facilities TMS1362D
2. Plate 7-5 Trail Mountain Mine Drainage Controls TMS1371D

Drawings that will be included as reference are as listed:

1. TMS1720D

Reclamation Costs:

Due to such a minor amount of work involved, "Energy West" feels reclamation costs in relation to the total bond amount are negligible and will not be addressed.

Unless an unforeseen item has been neglected, all parameters necessary to this amendment have been covered and are complete.

If there are any problems or concerns that need our attention please call Richard Northrup at 687-4822 or John Christensen at 687-4725.

Thank You.

Sincerely,



Richard Northrup
Env. Engineer

cc: Blake Webster
Carl Pollastro
Chuck Semborski
Barbara Adams (File)

APPLICATION FOR PERMIT PROCESSING

<input type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: ACT/015/009
Title of Proposal: <u>Amendment to Trail Mountain Mine Discharge</u>						Mine: TRAIL MOUNTAIN
						Permittee: PACIFICORP

Description, include reason for application and timing required to implement: Installation of 8" discharge line
 Reason: To accommodate re-location discharge from the mine.

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include <u>construction/modification</u> or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include <u>water monitoring</u> , sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, <u>maps</u> , or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or <u>discharges to a stream?</u>
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

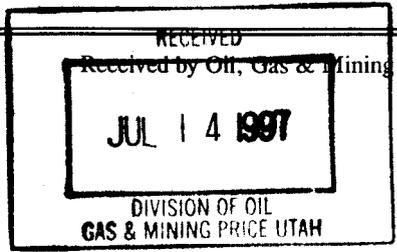
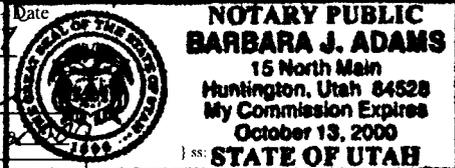
Attach 7 complete copies of the application.

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. (B645-301(123))

Richard Northrup Env. Eng. 7-9-97
 Signed Name - Position Date

Subscribed and sworn to before me this 9 day of July, 1997

Barbara J. Adams
 Notary Public
 My Commission Expires: 10-13-00
 Attest: STATE OF UTAH COUNTY OF Gregg



ASSIGNED TRACKING NUMBER
97B

