

# PERMIT CHANGE TRACKING FORM

DATE RECEIVED	4/13/95	PERMIT NUMBER	ACT 1015/019
Title of Proposal:	Sewage System	PERMIT CHANGE #	95C
Description:	Connection to Trail Mtn. System & Cottonwood Mine	PERMITTEE	Pacificorp
		MINE NAME	Cottonwood Mine

	DATE DUE	DATE DONE	RESULT
<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION	5/17/95	5/4/95	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.		N/A	<b>Permit Change Classification</b> <input type="checkbox"/> Significant Permit Revision <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Incidental Boundary Change
<input type="checkbox"/> Request additional review copies prior to Division/Other Agency review.		N/A	
<input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.)		N/A	
<input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.		N/A	

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative <i>WDM</i>		5/4/95				
<input type="checkbox"/> Biology <i>N/A</i>		5/4/95				
<input type="checkbox"/> Engineering <i>WDM</i>		5/4/95				
<input type="checkbox"/> Geology <i>WDM</i>		5/4/95				
<input type="checkbox"/> Soils <i>WDM</i>		5/4/95				
<input type="checkbox"/> Hydrology <i>WDM</i>		5/4/95				
<input type="checkbox"/> Bonding <i>WDM</i>		5/4/95				
<input type="checkbox"/> AVS Check <i>N/A</i>		WDM				
<i>County</i> <input type="checkbox"/> COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input checked="" type="checkbox"/> OSMRE <i>N/A</i>		WDM				
<input checked="" type="checkbox"/> US Forest Service		5/3/95				
<input checked="" type="checkbox"/> Bureau of Land Management		5/3/95				
<input type="checkbox"/> US Fish and Wildlife Service <i>N/A</i>		WDM				
<input type="checkbox"/> US National Parks Service <i>N/A</i>		WDM				
<input checked="" type="checkbox"/> UT Environmental Quality		5/3/95	Just Review Court Order Final Review			
<input type="checkbox"/> UT Water Resources		5/3/95				
<input type="checkbox"/> UT Water Rights		5/3/95				
<input checked="" type="checkbox"/> UFW Wildlife Resources		5/3/95				
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other <i>Elmer County</i>		5/3/95				

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	N/A	<input checked="" type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.	6/6/95
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	5/5/95	<input type="checkbox"/> Notice of Approval <input type="checkbox"/> Denial to Permittee.	5/4/95
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	N/A	<input type="checkbox"/> Copy of Approved Permit Change to File.	5/5/95
<input type="checkbox"/> TA and CHIA modified as required.	N/A	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.	5/5/95
<input type="checkbox"/> Permit Change Approval Form ready for approval.	5/3/95	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.	5/5/95



**State of Utah**  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF OIL, GAS AND MINING

*Approved*  
*2/27/96*

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)

February 27, 1996

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

RE: Vacating Temporary Parking, Cottonwood Mine, Pacificorp,  
ACT/015/019-96A, Folder #2, Emery County, Utah

Dear Mr. Payne:

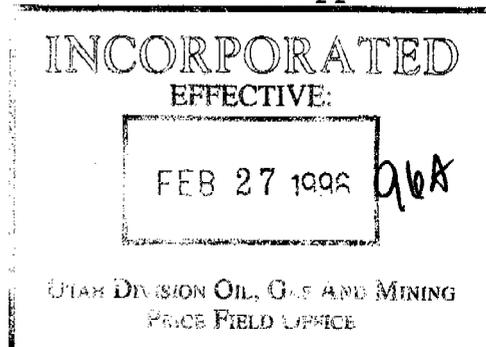
This approves amendment ACT/015/019-96A; which, in substance, vacates the approval granted for temporary vehicle parking in amendment ACT/015/019-95H. Amendment ACT/015/019-96A is approved effective February 27, 1996. The approval is based on your application and findings cited below.

Followup Action by the Permittee

Update your MRP by removing certified map "CM-10501 CP", which has noted thereon the Division's incorporated stamp with a date of 12/12/95. In lieu thereof, insert certified map "CM-10501 CP" which carries the "incorporated stamp and dated 2/27/96."

Project Description

The permittee submitted amendment ACT/015/019-96A because the temporary parking area was not utilized. In summary, approving amendment ACT/015/019-96A vacated the approval of amendment ACT/015/019-95H.

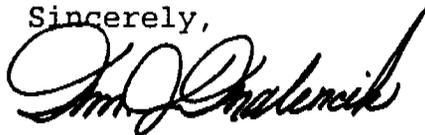


Page 2  
V. Payne/Cottonwood  
ACT/015/019-96A  
February 27, 1996

Findings

- 1) Each month during the approval period on at least two occasions, I observed no vehicles parking in the temporary parking area.
- 2) On February 16, 1996, I carefully inspected the temporary parking area for signs of vehicle usage. No ruts, tire tracks, oil drips or other visible signs of vehicle use was noted.
- 3) The permittee states the temporary parking area was not utilized by mine employees.
- 4) The undisturbed DOGM permitted area lying within the Emery County Road was not used for vehicle parking and was not otherwise disturbed.
- 5) The temporary vehicle parking area is hereby designated as an undisturbed area as depicted on the approved certified map dated 2/27/96.

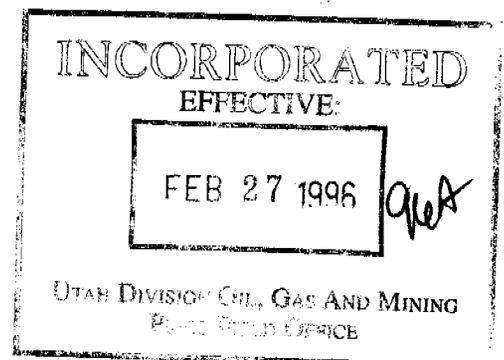
Sincerely,



Wm. J. Malencik  
Reclamation Specialist

ad  
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  
Joe Helfrich, DOGM, SLC  
Pam Grubaugh-Littig, DOGM, SLC, w/o enc  
Karl Houskeeper, PacifiCorp, Huntington, w/o enc



into Grimes Wash is approved by EPA under permit number UT-0022896.

For water diverted to Little Dove Mine see Page 3-58-A.

Sewage System - Sewage from the office and change room is collected in six 2,500 gallon precast concrete septic tanks located underground at the portal level. The septic tanks are connected in series and each has an individual cleanout manhole. Effluent from these tanks is carried by a 6-inch diameter pipeline to an absorption field located at the mouth of Grimes Wash Canyon. The piping is polyvinyl chloride (PVC), meeting the requirements of ASTM D3033 or D3034. The pipeline is routed down the left fork of Grimes Wash and through the plant area. It parallels the haul road for approximately 4,370 feet in a southerly direction, then diverges to the south and west for approximately 715 feet to the main absorption field (see Drawing 3-17 and 3-18).

The absorption field is designed for a percolation rate of 2 minutes/inch, with 5,220 feet of pipe laterals provided. The sewer treatment provided fulfills local, state and county health codes as stated by Utah State Department of Social Services.

~~Alternative Sediment Control Areas (UMC817.42(3)) - Disturbed areas which cannot be reasonably treated by a siltation structure (i.e., sediment ponds) due to remote geographic locations and small areas not justifying a sediment pond but which cannot meet effluent limitations without treatment, are considered Alternative Sediment Control Areas (ASCA). These~~

**SUPERSEDED**  
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JUL 22 1996  
UTAH DIVISION OF OIL, GAS AND MINING

areas are treated by the best control technology available which includes, but is not limited to: silt fences, berms, catch basins, strawbales, gravel filter dikes, check dams, sediment traps and mulches.

A list of the ASCA's within the permit area is found in Table 5.1, page 3-51.2 (see Plate 3-27).

DIVERSIONS

Wilberg Mine operation will not require further diversion of any stream channel in the permit area until reclamation. Specific procedures for diversion during

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JUL 22 1995  
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95F  
**INCORPORATED**  
EFFECTIVE:  
AUG 22 1995  
UTAH DIVISION OIL, GAS AND MINING  
PRICE FIELD OFFICE

What?



Val E. Payne  
Sr. Env. Engineer  
P. O. Box 310  
Huntington, UT 84528  
(801) 687-4722  
FAX (801) 687-2695

January, 2 1996

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

Attn. Bill Malencik

**RE: TRAIL MOUNTAIN MINE SEWAGE SYSTEM MODIFICATION, PACIFICORP,  
COTTONWOOD MINE, ACT/015/019, EMERY COUNTY.**

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, requests that an amendment be granted to modify the sewage line route for the Trail Mountain Mine as described on pages 3-51 and 3-51.1, revised 12/15/95. The sewage system was approved by the Division of Water Quality on March 17, 1995 and the modification approved on November 21, 1995, by Mr. David Ariotti, Southeast District Engineer (See attachments 1 & 2).

To help the review of this amendment, drawings titled "Cottonwood Surface", "Energy Dissipation Basin" and "Cottonwood/Trail Mountain 4" Sewer Line Tie and Dissipation Basin" have been included in the amendment package. The Cottonwood Surface drawing depicts the line location at the Cottonwood Mine, the Energy Dissipation Basin drawing depicts the structure to be constructed near the coal silo and the 4" Sewer Line Tie and Dissipation Basin drawing depicts the Tie Line installation.

Reclamation of the line and the energy dissipation basin will occur during the Backfilling and Grading work of final reclamation. Reclamation costs associated with backfilling and grading will cover the costs of removal.

INCORPORATED  
EFFECTIVE:  
JAN 10 1996  
Deer Creek Mine:  
(801) 351-2285  
Fax (801) 351-2285  
GAS AND MINING  
OFFICE

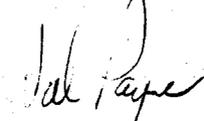
RECEIVED  
JAN - 2 1996  
DIVISION OF OIL  
GAS & MINING  
Cottonwood Mine:  
(801) 748-2380  
Fax (801) 748-2380

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

Upon approval, please replace pages 3-51 and 3-51.1 of the current permit with the enclosed pages 3-51 and 3-51.1, revised 12/15/95. The surface facilities maps for the mine will be updated and submitted upon completion of the project.

If there are any questions, please call Guy Davis at 687-4822.

Sincerely,

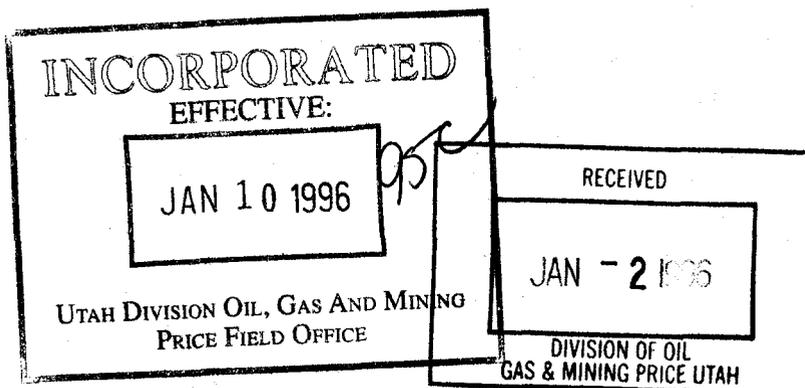


Val E. Payne  
Sr. Env. Engineer

gd\

cc: John Christensen  
Larry LaFrentz  
Morgan Moon  
Carl Pollastro

USERS\CTW\AMENDMEN\CTWTMSBW.D95





# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Michael O. Leavitt  
Governor

Dianne R. Nielson, Ph.D.  
Executive Director

Don A. Ostler, P.E.  
Director

288 North 1460 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
(801) 538-6146 Voice  
(801) 538-6016 Fax  
(801) 536-4414 T.D.D.

March 17, 1995

Mr. Val E Payne  
PacifiCorp Power Supply Field Office  
PO Box 1005  
Huntington, UT 84528

Re: Trail Mountain Mine Sewage Disposal

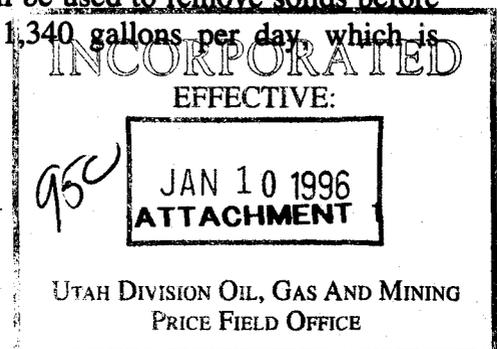
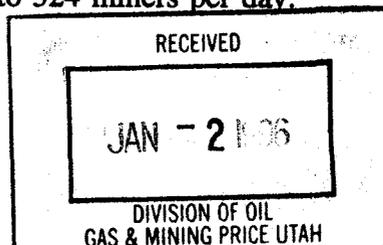
Dear Mr. Payne:

We have reviewed plans and specifications for construction of pump stations and pressure sewer to serve Trail Mountain Mine. We received the plans on February 21, 1995.

The plans and specifications, as submitted, comply with the Utah Water Quality Rules, (R317, UAC). A construction permit, as constituted by this letter, is issued subject to the following conditions:

1. Any modifications to the approved plans and specifications must be reviewed and approved before construction.
2. Facilities constructed under this permit should not be placed in service until the Division of Water Quality has completed a final inspection and has authorized you to do so.

The primary components of the project include construction of approximately 22, 900 feet of four inch diameter pressure sewer and two pump stations. The differential elevation between Trail Canyon Mine and Cottonwood Mine is 390 feet. The pressure sewer will be constructed in existing underground mine working which connect the Trail Mountain Mine with the cottonwood Mine. The existing septic tank drainfield at Cottonwood Mine will be used to treat the Wastewater. Existing septic tanks at Trail Mountain Mine will be used to remove solids before pumping. The total wastewater loading shall not exceed 11,340 gallons per day, which is equivalent to 324 miners per day.



Val E Payne  
March 17, 1995  
Page 2

The issuance of this permit does not relieve you in any way of obtaining applicable permits from local jurisdictions.

If the approved project is not under construction within one year, then it will become necessary to resubmit the plans and specifications for reissuance of the construction permit.

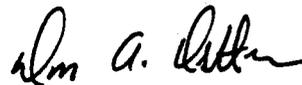
An approved set of plans and specifications bearing our construction permit stamp is returned herewith. These plans must be kept available for examination during inspections conducted by representatives of the Division of Waster Quality, and for resolution of any conflicts or discrepancies which may arise during construction. Please provide us an additional set of plans for our records.

Please advise us of the beginning of the construction. This will enable us to schedule periodic inspections and monitor construction.

Thank you for your cooperation. If we can be of further assistance, please contact David Ariotti of our staff at 637-3671.

Sincerely,

Utah Water Quality Board

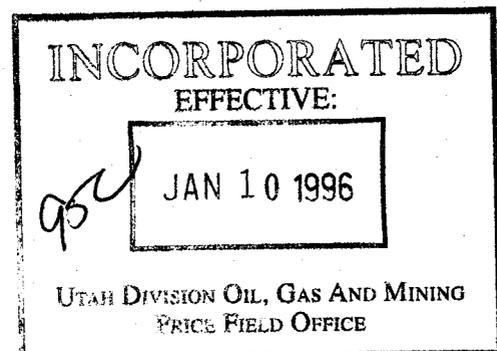
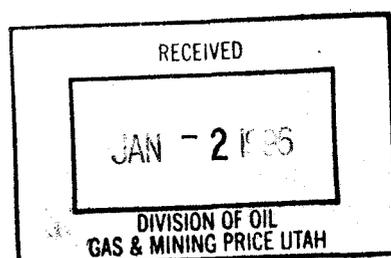


Don A. Ostler, P.E.  
Executive Secretary

DAO:dra:rvg

cc: David Ariotti, Southeast District Engineer  
Claron Bjork, Southeastern Utah District Health Dept

L:KLB/DISTENG/TRAILMTN.LTR  
FILE:





# State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY  
SOUTHEAST UTAH DISTRICT

Michael O. Leavitt  
Governor

28 South 100 East  
P.O. Box 800  
Price, Utah 84501  
(801) 637-3671  
(801) 637-1933 Fax

Dianne R. Nielson, Ph.D.  
Executive Director

November 21, 1995

Val E. Payne  
Energy West Mining Co.  
P.O. Box 310  
Huntington, UT 84528

Dear Val,

I received on November 20, 1995 proposed modifications to the approved plans for disposal of wastewater from Trail Mountain Mine. The proposed modifications comply with Utah Water Quality Rules (R317 UAC) and do not affect the design parameters approved in the construction permit dated March 17, 1995. I offer the following recommendation:

1. A small diameter hole should be provided in the energy dissipation weir to allow drainage upstream of the weir.

The proposed modifications will eliminate trench excavation in solid rock and provide primary treatment of wastewater at Trail Mountain Mine prior to pumping and disposal in the Cottonwood Mine drainfield.

Thank you for your cooperation. If you have any questions, call me at 637-3671.

Sincerely,

David R. Ariotti, P.E.  
Southeast District Engineer

cc: Claron Bjork, Southeastern Utah District Health Dept.  
Kiran Bhayani, Utah Division of Water Quality

Rec. 11/27/95  
cc: J.L.

RECEIVED

JAN - 2 1995

DIVISION OF OIL  
GAS & MINING PRICE UTAH

INCORPORATED  
EFFECTIVE:

JAN 10 1996

ATTACHMENT 2  
UTAH DIVISION OIL, GAS AND MINING  
PRICE FIELD OFFICE





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)

May 17, 1996

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

RE: Sewage System Modification, PacifiCorp, Cottonwood Mine, ACT/015/019-95C, Folder #3, Emery County, Utah

Dear Mr. Payne:

This approves the certified Surface Facilities map submitted by your transmittal letter received April 29, 1996. The map has been reviewed and approved. It has affixed thereto the Division's Incorporated Stamp.

The referenced amendment was approved May 4, 1995 with a minor design revision approved January 2, 1996. A copy of those decisions have heretofore been submitted to your office together with others. The decision required the submission of an updated certified Surface Facilities map which certifies completion of the project and depicting it on the MRP map.

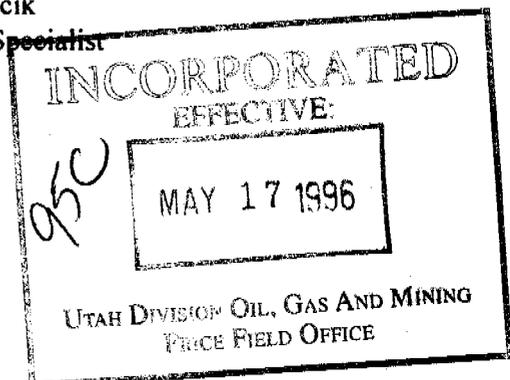
Appreciate the prompt follow-up action. In the interest of paperwork management, please identify the amendment serial number which you have neglected to do in the instant follow-up matter. This will help to assure all related key documents will carry the appropriate identification.

Sincerely,

Wm. J. Malencik  
Reclamation Specialist

sd  
Enclosures

cc: Ranvir Singh, OSM, Denver  
Mark Bailey, BLM, Price  
Janette Kaiser, USFS, Price  
Mark Page, State Eng, 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  
Joe Helfrich, DOGM, SLC  
Pam Grubaugh-Littig, DOGM, SLC, w/o enc





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)

January 12, 1996

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

RE: Sewage System Modification, Cottonwood Mine, PacifiCorp,  
ACT/015/019-95C, Folder #3, Emery County, Utah

Dear Mr. Payne:

This has reference to the aforementioned amendment. The amendment was received on May 2, 1995 and approved May 4, 1995. The project is still under construction.

Your letter of January 2, 1996 requested approval of a modification of the designs to the Trail Mountain septic system from the designs submitted to the Price Field office on May 4, 1995. The change in substance is installing an additional 3000 gallon septic tank.

The design modifications, as submitted, are approved effective January 10, 1996 as a revision to the prior approved designs. This is being handled as a design modification approval rather than a new amendment. This approach seems reasonable, since the project has not been completed. The records you provide show the design modifications have been approved by DEQ.

The modification updates the following MRP documents:

- Replace page 3-51 of the permit with page 3-51, revision dated December 15, 1995.
- Replace page 3-51.1 of the permit with page 3-53.1, revision dated December 15, 1995.

The foregoing documents are approved. All of the documents are being held in our suspense files until the project is completed. When the project is completed, you will have to submit updated certified surface facilities map.



Page 2  
V. Payne/Cottonwood  
Sewage System Modification-95C  
January 12, 1996

Upon receipt and approval of the certified map, this and all the required documents carrying the "incorporated" stamp will be submitted to you and others as required. At that time, we shall close the amendment suspense file on this case action. This procedure should result in higher degree of certainty that the "incorporated" stamped documents will have a better chance to find their way into the MRP, rather than under a piece meal approach.

Since you are involved in many amendments, would appreciate your view point on this approach.

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  
David Terry, SITLA, SLC, w/o enc  
Joe Helfrich, DOGM, SLC  
Pam Grubaugh-Littig, DOGM, SLC  
Karl Houskeeper, PacifiCorp, Huntington, w/o enc

# APPLICATION FOR PERMIT CHANGE

Title of Change: <b>TRAIL MOUNTAIN MINE SEWAGE SYSTEM MODIFICATION AMENDMENT</b>	Permit Number: ACT /015 /019 <hr/> Mine: COTTONWOOD MINE <hr/> Permittee: PACIFICORP
---	--

Description, include reason for change and timing required to implement:  
**Connection of the Trail Mountain Mine Sewage System to the Cottonwood Sewage Line**

<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 checked="" type="checkbox"/> Yes	<input 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 checked="" type="checkbox"/> Yes	<input 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?

**INCORPORATED**

EFFECTIVE:

JAN 10 1996

UTAH DIVISION OIL, GAS AND MINING  
FIELD OFFICE

**Attach 14 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.

  
 Signed - Name - Position - Date  
 VAL E PAYNE SR. ENV. ENG 1/2/96

Subscribed and sworn to before me this 20 day of Jan, 19 96.

  
 Notary Public  
 BARBARA J. ADAMS  
 15 North Main  
 Huntington, Utah 84003  
 My Commission Expires  
 October 13, 1993  
 State of Utah

My Commission Expires: 10-13, 19 96  
 Attest: STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

Received by Oil Gas & Mining

JAN - 2 1996

DIVISION OF OIL  
GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER  
95C

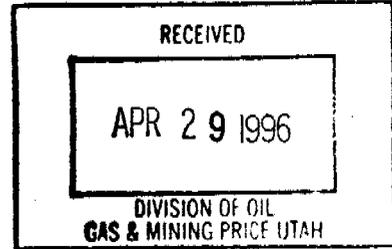




PO Box 310  
Huntington, Utah 84528

April 24, 1996

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



Attention: Bill Malencik

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,

A handwritten signature in cursive script, appearing to read 'Val Payne'.

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: ACT1015 1019

Mine: COTTONWOOD MINE

Permittee: PACIFICORP

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

SEVEN (7) UPDATED COPIES OF COTTONWOOD MINE 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?
- 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?

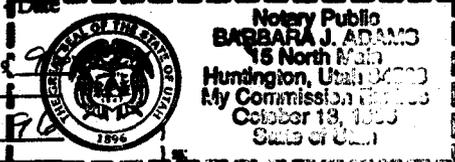
Attach <sup>7</sup> complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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 E. Payne* VALE PAYNE SR. ENV. ENG. 4/26/96

Signed - Name - Position

Subscribed and sworn to before me this 19 day of April 1996  
*Darlene J. Adams*  
Notary Public



My Commission Expires: \_\_\_\_\_  
Attest: STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

11-13  
*Utah*  
*Emery*

Received by *ENV* Gas & Mining  
APR 29 1996  
DIVISION OF OIL  
GAS & MINING PRICE UTAH

ASSIGNED PERMIT CHANGE NUMBER

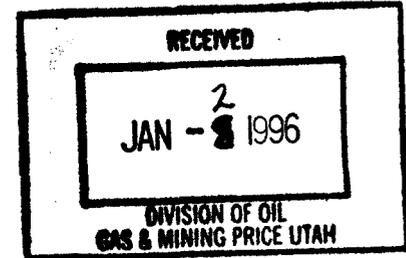




Val E. Payne  
Sr. Env. Engineer  
P. O. Box 310  
Huntington, UT 84528  
(801) 687-4722  
FAX (801) 687-2695

January, 2 1996

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



Attn. Bill Malencik

95C

**RE: TRAIL MOUNTAIN MINE SEWAGE SYSTEM MODIFICATION, PACIFICORP,  
COTTONWOOD MINE, ACT/015/019, EMERY COUNTY.**

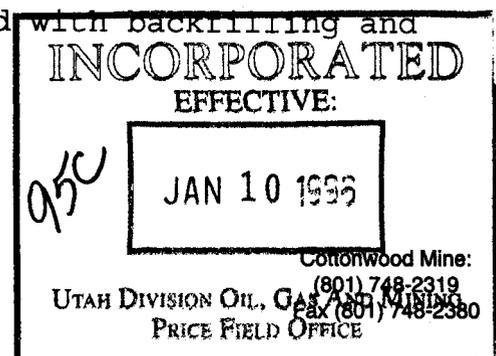
PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, requests that an amendment be granted to modify the sewage line route for the Trail Mountain Mine as described on pages 3-51 and 3-51.1, revised 12/15/95. The sewage system was approved by the Division of Water Quality on March 17, 1995 and the modification approved on November 21, 1995, by Mr. David Ariotti, Southeast District Engineer (See attachments 1 & 2).

To help the review of this amendment, drawings titled "Cottonwood Surface", "Energy Dissipation Basin" and "Cottonwood/Trail Mountain 4" Sewer Line Tie and Dissipation Basin" have been included in the amendment package. The Cottonwood Surface drawing depicts the line location at the Cottonwood Mine, the Energy Dissipation Basin drawing depicts the structure to be constructed near the coal silo and the 4" Sewer Line Tie and Dissipation Basin drawing depicts the Tie Line installation.

Reclamation of the line and the energy dissipation basin will occur during the Backfilling and Grading work of final reclamation. Reclamation costs associated with backfilling and grading will cover the costs of removal.

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

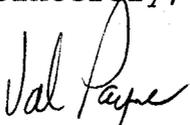
Deer Creek Mine:  
(801) 381-2317  
Fax (801) 381-2285



Upon approval, please replace pages 3-51 and 3-51.1 of the current permit with the enclosed pages 3-51 and 3-51.1, revised 12/15/95. The surface facilities maps for the mine will be updated and submitted upon completion of the project.

If there are any questions, please call Guy Davis at 687-4822.

Sincerely,

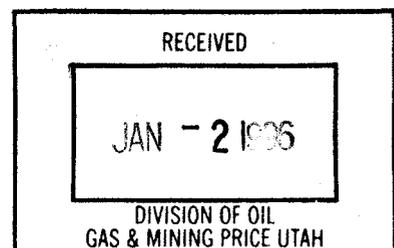


Val E. Payne  
Sr. Env. Engineer

gd\

cc: John Christensen  
Larry LaFrentz  
Morgan Moon  
Carl Pollastro

USERS\CTW\AMENDMEN\CTWIMSEW.D95



# APPLICATION FOR PERMIT CHANGE

Title of Change:

**TRAIL MOUNTAIN MINE SEWAGE SYSTEM MODIFICATION AMENDMENT**

Permit Number: ACT /015 /019

Mine: COTTONWOOD MINE

Permittee: PACIFICORP

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

Connection of the Trail Mountain Mine Sewage System to the Cottonwood Sewage Line

- |   |  |  |
|---|--|--|
| <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 checked="" type="checkbox"/> Yes | <input 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 checked="" type="checkbox"/> Yes | <input 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 14 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.**

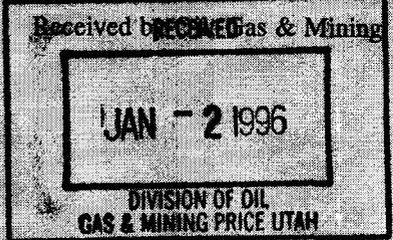
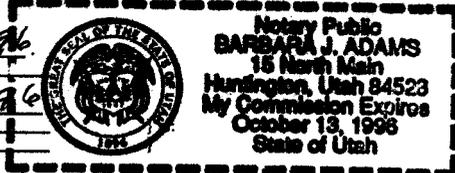
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Val E Payne*  
 Signed - Name - Position - Date  
 VALE PAYNE SR. ENV. ENG. 1/2/96

Subscribed and sworn to before me this 20 day of Jan, 19 96.

My Commission Expires: 10-13, 19 96  
 Attest: STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_

Notary Public



ASSIGNED PERMIT CHANGE NUMBER  
950





# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Michael O. Leavitt  
Governor

Dianne R. Nielson, Ph.D.  
Executive Director

Don A. Ostler, P.E.  
Director

288 North 1460 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
(801) 538-6146 Voice  
(801) 538-6016 Fax  
(801) 536-4414 T.D.D.

March 17, 1995

Mr. Val E Payne  
PacifiCorp Power Supply Field Office  
PO Box 1005  
Huntington, UT 84528

Re: Trail Mountain Mine Sewage Disposal

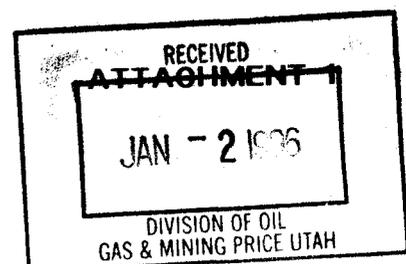
Dear Mr. Payne:

We have reviewed plans and specifications for construction of pump stations and pressure sewer to serve Trail Mountain Mine. We received the plans on February 21, 1995.

The plans and specifications, as submitted, comply with the Utah Water Quality Rules, (R317, UAC). A construction permit, as constituted by this letter, is issued subject to the following conditions:

1. Any modifications to the approved plans and specifications must be reviewed and approved before construction.
2. Facilities constructed under this permit should not be placed in service until the Division of Water Quality has completed a final inspection and has authorized you to do so.

The primary components of the project include construction of approximately 22,900 feet of four inch diameter pressure sewer and two pump stations. The differential elevation between Trail Canyon Mine and Cottonwood Mine is 390 feet. The pressure sewer will be constructed in existing underground mine working which connect the Trail Mountain Mine with the cottonwood Mine. The existing septic tank drainfield at Cottonwood Mine will be used to treat the Wastewater. Existing septic tanks at Trail Mountain Mine will be used to remove solids before pumping. The total wastewater loading shall not exceed 11,340 gallons per day, which is equivalent to 324 miners per day.



Val E Payne  
March 17, 1995  
Page 2

The issuance of this permit does not relieve you in any way of obtaining applicable permits from local jurisdictions.

If the approved project is not under construction within one year, then it will become necessary to resubmit the plans and specifications for reissuance of the construction permit.

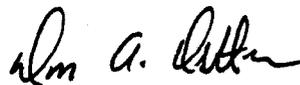
An approved set of plans and specifications bearing our construction permit stamp is returned herewith. These plans must be kept available for examination during inspections conducted by representatives of the Division of Waster Quality, and for resolution of any conflicts or discrepancies which may arise during construction. Please provide us an additional set of plans for our records.

Please advise us of the beginning of the construction. This will enable us to schedule periodic inspections and monitor construction.

Thank you for your cooperation. If we can be of further assistance, please contact David Ariotti of our staff at 637-3671.

Sincerely,

Utah Water Quality Board

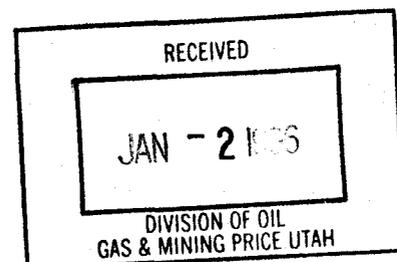


Don A. Ostler, P.E.  
Executive Secretary

DAO:dra:rvg

cc: David Ariotti, Southeast District Engineer  
Claron Bjork, Southeastern Utah District Health Dept

L:KLB/DISTENG/TRAILMTN.LTR  
FILE:





# State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY  
SOUTHEAST UTAH DISTRICT

Michael O. Leavitt  
Governor

28 South 100 East  
P.O. Box 800  
Price, Utah 84501  
(801) 637-3671  
(801) 637-1933 Fax

Dianne R. Nielson, Ph.D.  
Executive Director

November 21, 1995

Val E. Payne  
Energy West Mining Co.  
P.O. Box 310  
Huntington, UT 84528

Dear Val,

I received on November 20, 1995 proposed modifications to the approved plans for disposal of wastewater from Trail Mountain Mine. The proposed modifications comply with Utah Water Quality Rules (R317 UAC) and do not affect the design parameters approved in the construction permit dated March 17, 1995. I offer the following recommendation:

1. A small diameter hole should be provided in the energy dissipation weir to allow drainage upstream of the weir.

The proposed modifications will eliminate trench excavation in solid rock and provide primary treatment of wastewater at Trail Mountain Mine prior to pumping and disposal in the Cottonwood Mine drainfield.

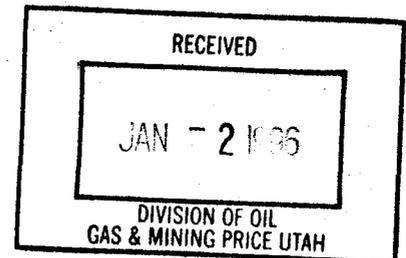
Thank you for your cooperation. If you have any questions, call me at 637-3671.

Sincerely,

David R. Ariotti, P.E.  
Southeast District Engineer

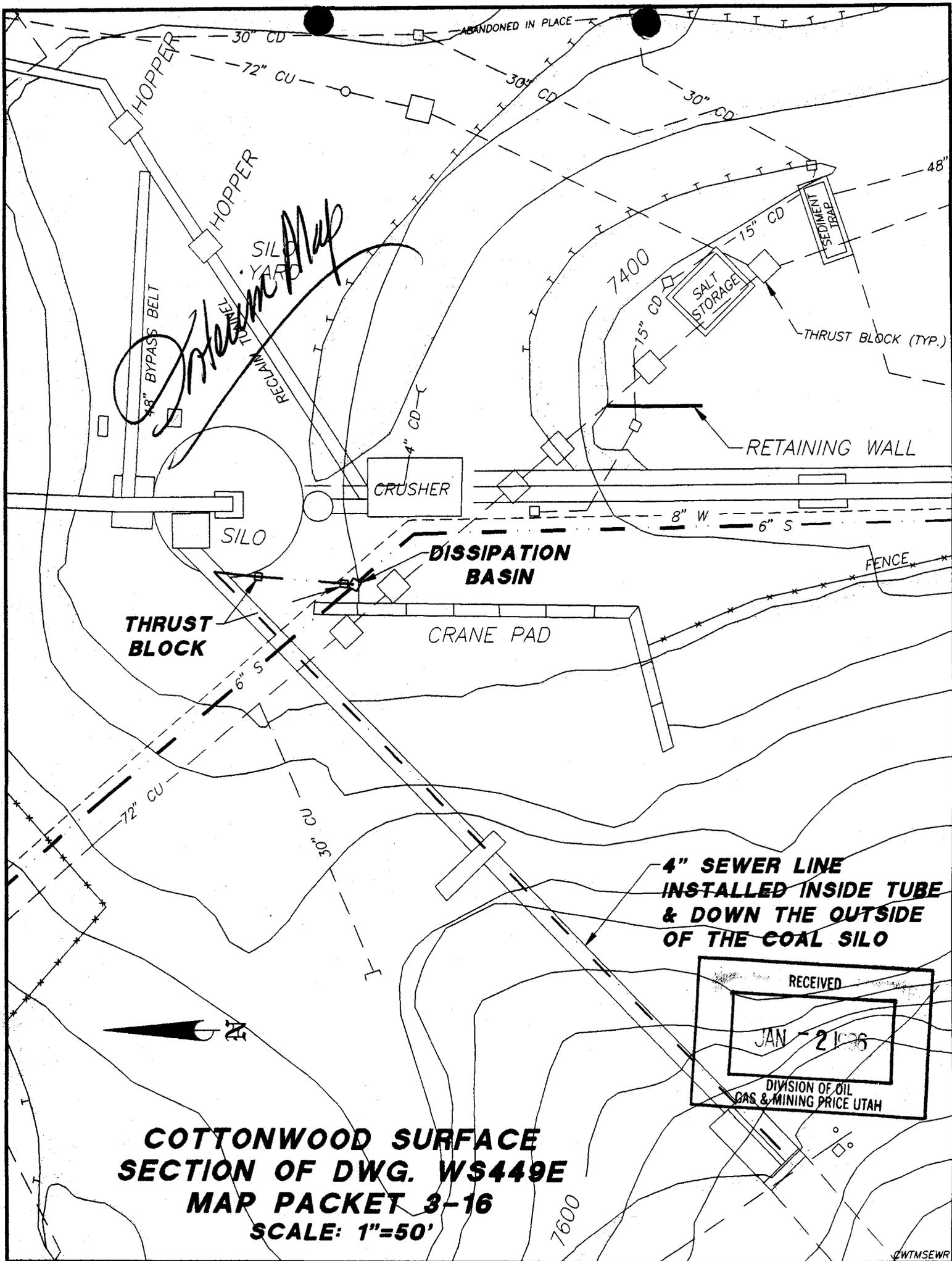
cc: Claron Bjork, Southeastern Utah District Health Dept.  
Kiran Bhayani, Utah Division of Water Quality

Rec. 11/27/95  
cc: J.L.



ATTACHMENT 2



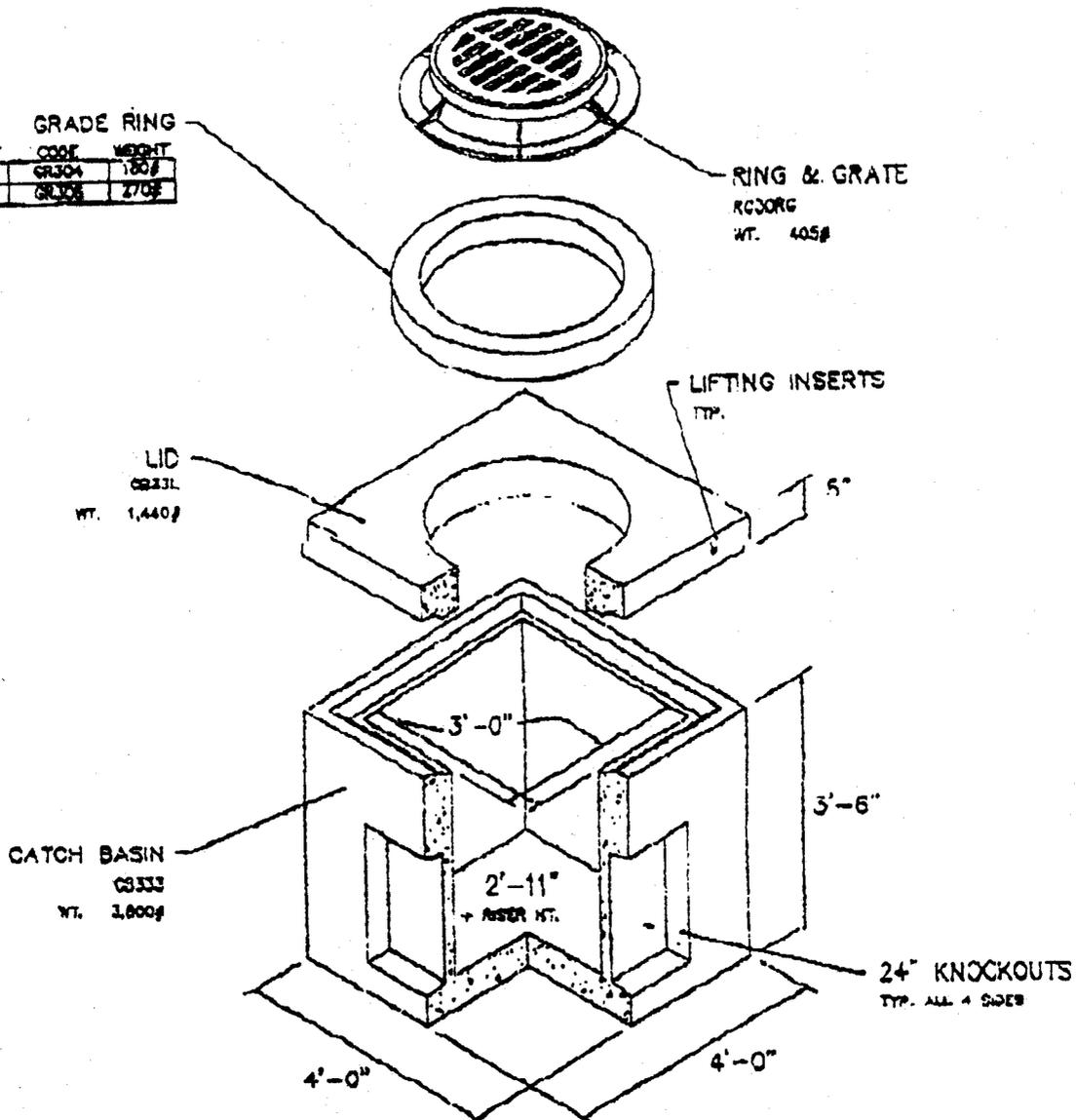


**COTTONWOOD SURFACE  
SECTION OF DWG. WS449E  
MAP PACKET 3-16  
SCALE: 1"=50'**

**4" SEWER LINE  
INSTALLED INSIDE TUBE  
& DOWN THE OUTSIDE  
OF THE COAL SILO**

RECEIVED  
JAN - 21 - 86  
DIVISION OF OIL  
GAS & MINING PRICE UTAH

HEIGHT	CODE	WEIGHT
4"	GR304	150#
6"	GR306	270#

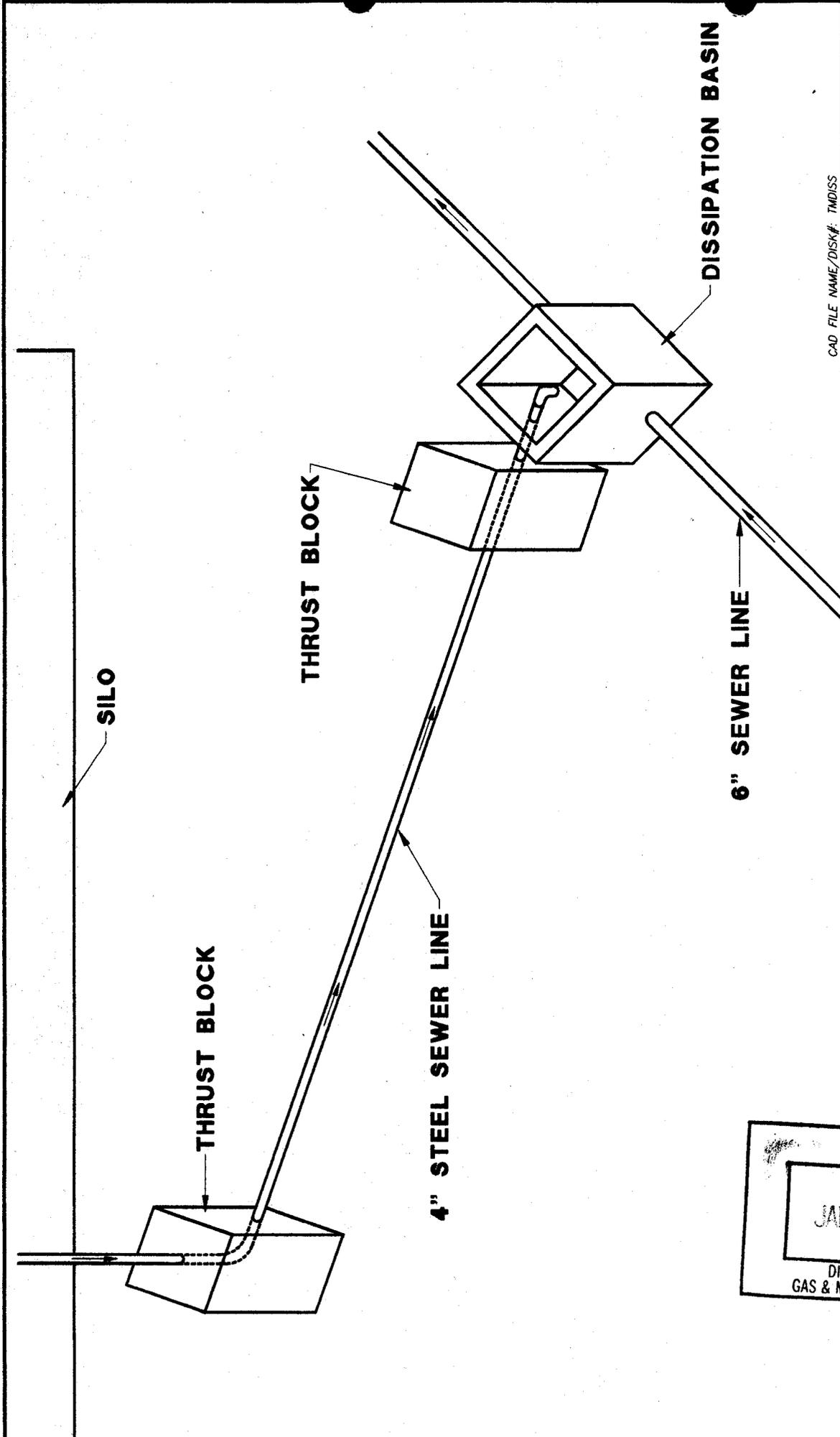


RECEIVED

JAN - 2 1986

DIVISION OF OIL  
GAS & MINING PRICE UTAH

**ENERGY DISSIPATION BASIN**



CAD FILE NAME/DISK#: TMDISS

ENERGY WEST  
 MINING COMPANY  
 HUNTINGTON, UTAH 84528

COTTONWOOD/TRAIL MOUNTAIN  
 4" SEWER LINE TIE  
 AND DISSIPATION BASIN

DRAWN BY:	K. LARSEN	...
SCALE:	1" = 5'	DRAWING #
DATE:	JANUARY 2, 1996	SHEET 1 OF 1 REV.

RECEIVED  
 JAN - 21 1996  
 DIVISION OF OIL  
 GAS & MINING PRICE UTAH

into Grimes Wash is approved by EPA under permit number UT-0022896.

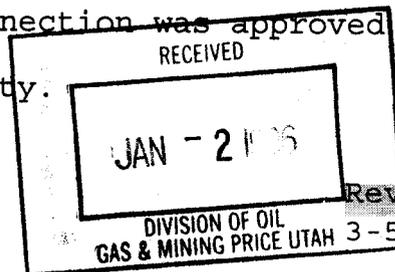
For water diverted to Little Dove Mine see Page 3-58A.

Sewage System - Sewage from the office and change room is collected in six 2,500 gallon precast concrete septic tanks located underground at the portal level. The septic tanks are connected in series and each has an individual cleanout manhole. Effluent from these tanks is carried by a 6-inch diameter pipeline to an absorption field located at the mouth of Grimes Wash Canyon. The piping is polyvinyl chloride (PVC), meeting the requirements of ASTM D3033 or D3034. The pipeline is routed down the left fork of Grimes Wash and through the plant area. It parallels the haul road for approximately 4,370 feet in a southerly direction, then diverges to the south and west for approximately 715 feet to the main absorption field (see Drawing 3-17 and 3-18).

The absorption field is designed for a percolation rate of 2 minutes/inch, with 5,220 feet of pipe laterals provided. The sewer treatment provided fulfills local, state and county health codes as stated by Utah State Department of Social Services.

To accommodate the sewage handling needs of the Trail Mountain Mine, a 4" sewer line is connected to the existing Cottonwood Sewage System. The line is buried under the Cottonwood Canyon Road and enters the Cottonwood Mine Belt Entry. It follows underground workings, through the Cottonwood Tube Conveyor, down the coal silo, connecting to the Cottonwood System (See 3-16 and 3-16A Facilities Map).

The Trail Mountain Connection was approved on March 17, 1995, by the Division of Water Quality.



Revised 12/15/95

DIVISION OF OIL  
GAS & MINING PRICE UTAH 3-51

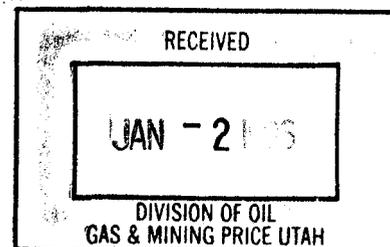
Alternative Sediment Control Areas (UMC817.42(3)) -

Disturbed areas which cannot be reasonably treated by a siltation structure (i.e., sediment pond) due to remote geographic locations and small areas not justifying a sediment pond but which cannot meet effluent limitations without treatment, are considered Alternative Sediment Control Areas (ASCA). These areas are treated by the best control technology available which includes, but is not limited to: silt fences, berms, catch basins, strawbales, gravel filter dikes, check dams, sediment traps and mulches.

A list of the ASCA's within the permit area is found in Table 5.1, page 3-51.2 (see Plate 3-27).

DIVERSIONS

Wilberg Mine operation will not require further diversion of any stream channel in the permit area until reclamation. Specific procedures for diversion during



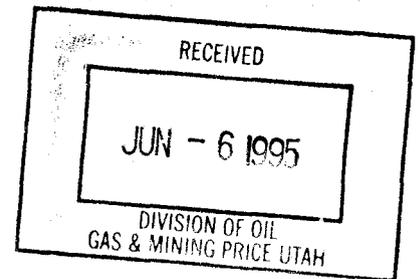


State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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)

May 24, 1995



Val Payne  
PacifiCorp  
1 Utah Center  
201 South Main, Suite 2100  
Salt Lake City, Utah 84140-0021

Re: Sewage Disposal Plan Approval for Cottonwood Mine ACT/015/019-95C and Trail Canyon Mine ACT/015/009-95C, PacifiCorp, Folder #3, Emery County, Utah.

*Val*  
Dear Mr. Payne:

Your request to amend the Cottonwood and Trail mountain mining and reclamation plans as referenced is hereby approved.

If you have any questions please call.

Sincerely,

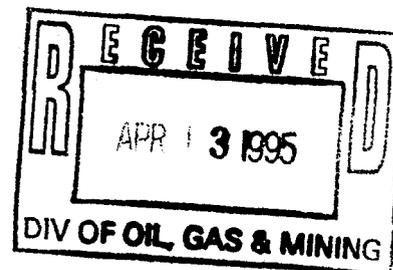
Joseph C. Helfrich  
Permit Supervisor

cc:  
Field Office  
Pam Grubaugh-Littig  
Bill Malencik



March 31, 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



Attention: Pamela Grubaugh-Littig

**RE: TRAIL MOUNTAIN MINE SEWAGE SYSTEM, PACIFICORP, COTTONWOOD MINE, ACT/015/019,  
EMERY COUNTY, UTAH**

PacifiCorp requests that an amendment be granted to install a sewage line for the Trail Mountain Mine as described on pages 3-51 and 3-51.1, revised 3/29/95. The sewage system was approved by the Division of Water Quality on March 17, 1995 (See Attachment 1).

To help with the review of this amendment, Figures 1 through 3 have been included herein. Figures 1 and 3 depict the line location at the Cottonwood Canyon area and the Cottonwood Mine. Figure 2 is a typical cross-section of the buried line.

Reclamation of the buried line will occur during the Backfilling and Grading work of final reclamation. Reclamation costs associated with backfilling and grading will cover the costs of the line removal.

Upon approval, please replace pages 3-51 and 3-51.1 of the current permit with the enclosed pages 3-51 and 3-51.1, revised 3/29/95. The surface facilities map for the mine will be updated and submitted upon completion of the project.

If there are any questions, please call Guy Davis at 653-2312, ext. 19 or me at 653-2312, ext. 16.

Sincerely,

Val Payne  
Sr. Environmental Engineer

cc: J. Christensen  
D. Grange  
L. LaFrentz  
M. Moon  
B. Malencik (Price DOGM)  
File

# APPLICATION FOR PERMIT CHANGE

Title of Change:

*TRAIL MOUNTAIN MINE SEWAGE SYSTEM*

Permit Number: *ACT 10151019*

Mine: *COTTONWOOD*

Permittee: *PACIFICORP*

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

*ADDITION OF SEWER LINE FOR TRAIL MOUNTAIN MINE. CONNECTION TO COTTONWOOD MINE SEWAGE SYSTEM.*

- |   |  |  |
|---|--|--|
| <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 checked="" type="checkbox"/> Yes | <input 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? |

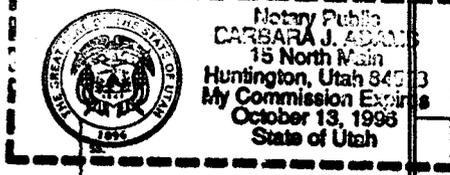
Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

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.

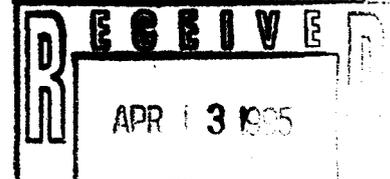
*Val Elaine Vale-Pauie Sr. ENV. ENGINEER 4/3/94*  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 31 day of April, 19 95  
*Barbara J. Adams*  
 Notary Public

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



Received by Oil, Gas & Mining



DIV OF OIL, GAS & MINING

ASSIGNED PERMIT CHANGE NUMBER





# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Michael O. Leavitt  
Governor

Dianne R. Nielson, Ph.D.  
Executive Director

Don A. Ostler, P.E.  
Director

288 North 1460 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
(801) 538-6146 Voice  
(801) 538-6016 Fax  
(801) 536-4414 T.D.D.

March 17, 1995

Mr. Val E Payne  
PacifiCorp Power Supply Field Office  
PO Box 1005  
Huntington, UT 84528

Re: Trail Mountain Mine Sewage Disposal

Dear Mr. Payne:

We have reviewed plans and specifications for construction of pump stations and pressure sewer to serve Trail Mountain Mine. We received the plans on February 21, 1995.

The plans and specifications, as submitted, comply with the Utah Water Quality Rules, (R317, UAC). A construction permit, as constituted by this letter, is issued subject to the following conditions:

1. Any modifications to the approved plans and specifications must be reviewed and approved before construction.
2. Facilities constructed under this permit should not be placed in service until the Division of Water Quality has completed a final inspection and has authorized you to do so.

The primary components of the project include construction of approximately 22,900 feet of four inch diameter pressure sewer and two pump stations. The differential elevation between Trail Canyon Mine and Cottonwood Mine is 390 feet. The pressure sewer will be constructed in existing underground mine working which connect the Trail Mountain Mine with the cottonwood Mine. The existing septic tank drainfield at Cottonwood Mine will be used to treat the Wastewater. Existing septic tanks at Trail Mountain Mine will be used to remove solids before pumping. The total wastewater loading shall not exceed 11,340 gallons per day, which is equivalent to 324 miners per day.



Val E Payne  
March 17, 1995  
Page 2

The issuance of this permit does not relieve you in any way of obtaining applicable permits from local jurisdictions.

If the approved project is not under construction within one year, then it will become necessary to resubmit the plans and specifications for reissuance of the construction permit.

An approved set of plans and specifications bearing our construction permit stamp is returned herewith. These plans must be kept available for examination during inspections conducted by representatives of the Division of Waster Quality, and for resolution of any conflicts or discrepancies which may arise during construction. Please provide us an additional set of plans for our records.

Please advise us of the beginning of the construction. This will enable us to schedule periodic inspections and monitor construction.

Thank you for your cooperation. If we can be of further assistance, please contact David Ariotti of our staff at 637-3671.

Sincerely,

Utah Water Quality Board



Don A. Ostler, P.E.  
Executive Secretary

DAO:dra:rvg

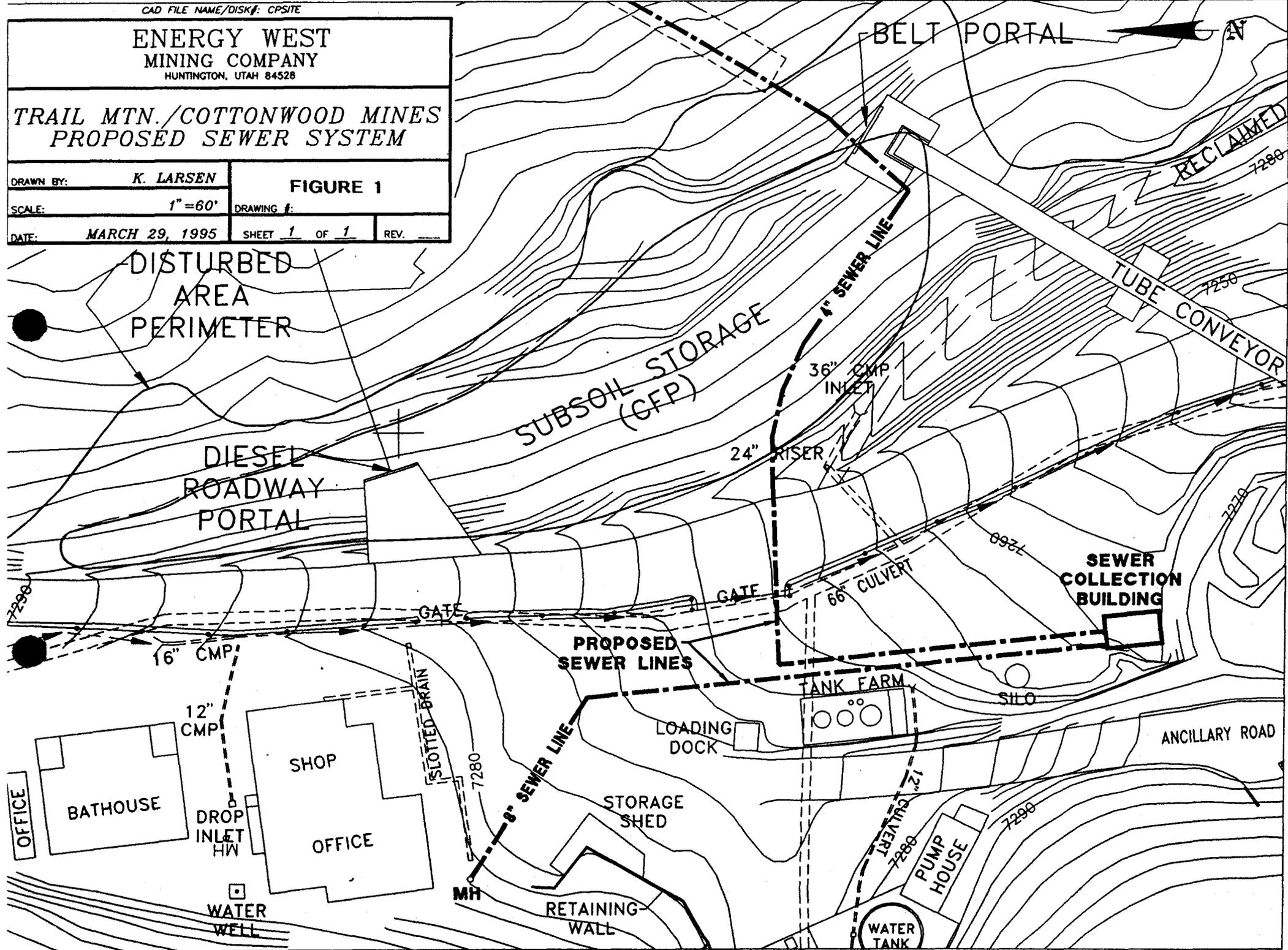
cc: David Ariotti, Southeast District Engineer  
Claron Bjork, Southeastern Utah District Health Dept

L:KLE/DISTENG/TRAILMTN.LTR  
FILE:

ENERGY WEST  
MINING COMPANY  
HUNTINGTON, UTAH 84528

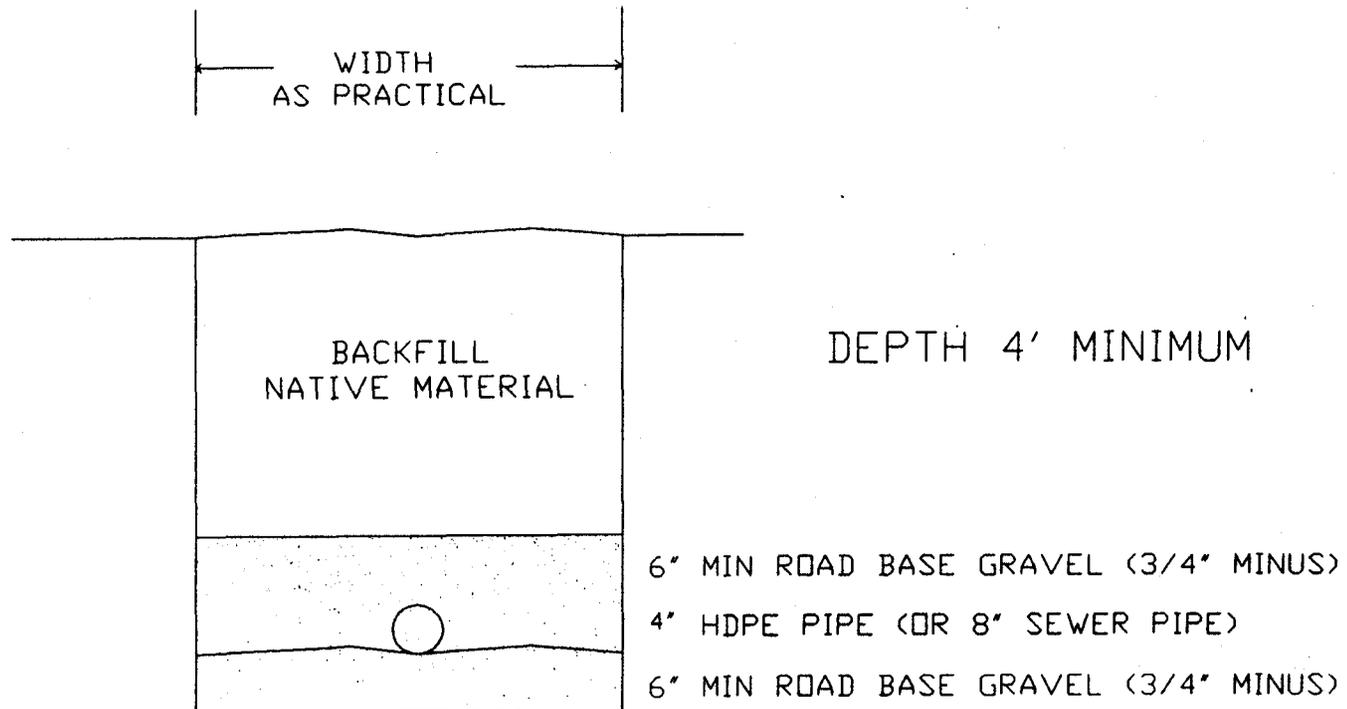
TRAIL MTN./COTTONWOOD MINES  
PROPOSED SEWER SYSTEM

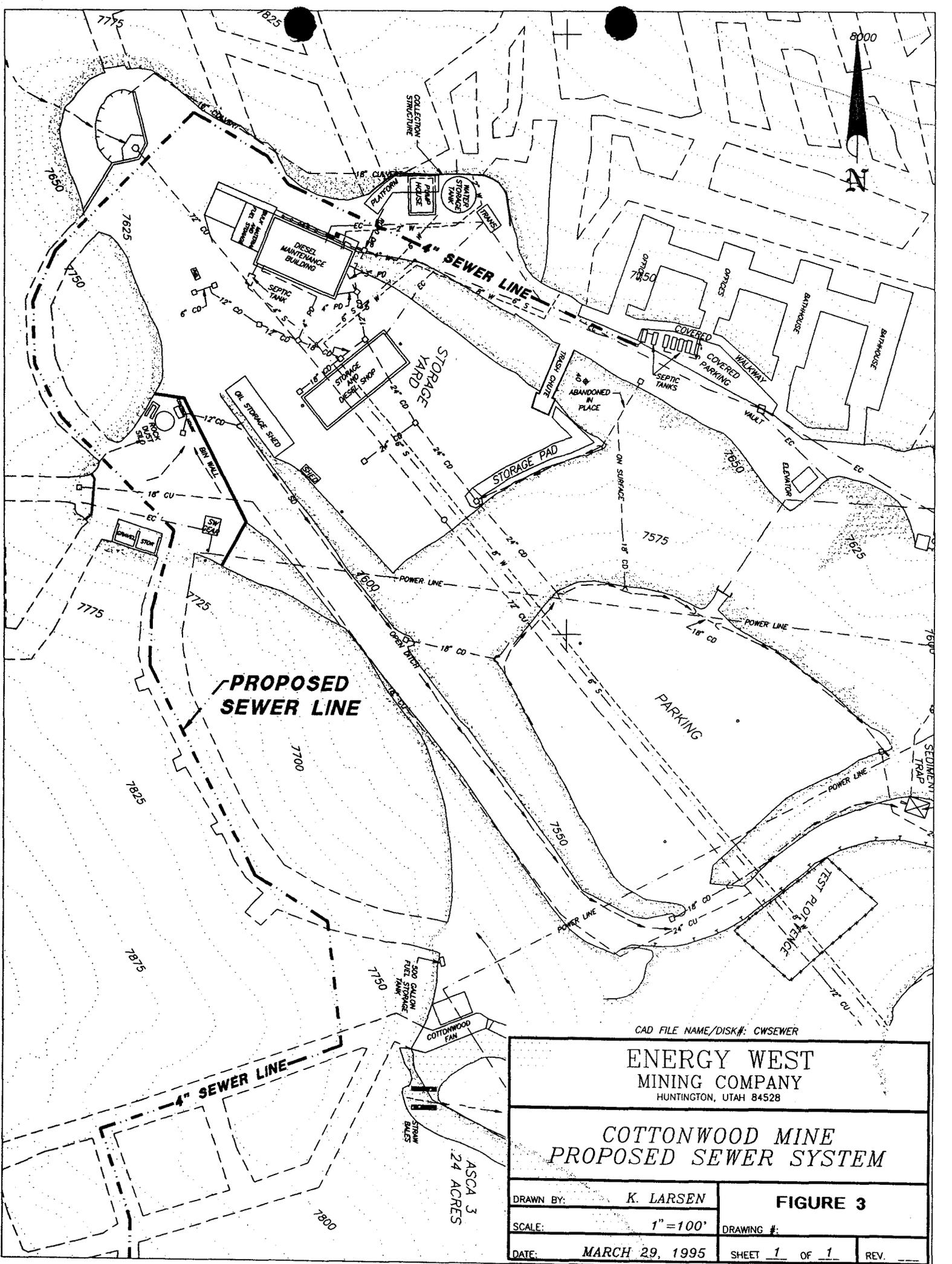
DRAWN BY:	K. LARSEN	FIGURE 1	
SCALE:	1" = 60'	DRAWING #:	
DATE:	MARCH 29, 1995	SHEET 1 OF 1	REV. _____



## FIGURE 2

TYPICAL TRENCH CROSS-SECTION  
FOR BURIED WASTE WATER LINE





CAD FILE NAME/DISK#: CWSEWER

**ENERGY WEST  
MINING COMPANY**  
HUNTINGTON, UTAH 84528

**COTTONWOOD MINE  
PROPOSED SEWER SYSTEM**

DRAWN BY: **K. LARSEN**

**FIGURE 3**

SCALE: **1" = 100'**

DRAWING #:

DATE: **MARCH 29, 1995**

SHEET **1** OF **1**

REV.

ASCA 3  
24 ACRES

into Grimes Wash is approved by EPA under permit number UT-0022896.

For water diverted to Little Dove Mine see Page 3-58A.

Sewage System - Sewage from the office and change room is collected in six 2,500 gallon precast concrete septic tanks located underground at the portal level. The septic tanks are connected in series and each has an individual cleanout manhole. Effluent from these tanks is carried by a 6-inch diameter pipeline to an absorption field located at the mouth of Grimes Wash Canyon. The piping is polyvinyl chloride (PVC), meeting the requirements of ASTM D3033 or D3034. The pipeline is routed down the left fork of Grimes Wash and through the plant area. It parallels the haul road for approximately 4,370 feet in a southerly direction, then diverges to the south and west for approximately 715 feet to the main absorption field (see Drawing 3-17 and 3-18).

The absorption field is designed for a percolation rate of 2 minutes/inch, with 5,220 feet of pipe laterals provided. The sewer treatment provided fulfills local, state and county health codes as stated by Utah State Department of Social Services.

To accommodate the sewage handling needs of the Trail Mountain Mine, a 4" sewer line is connected to the existing Cottonwood Sewage System. The line is buried under the Cottonwood Canyon Road and into the Cottonwood Mine Belt Entry. It follows underground workings and enters the underground tunnel between the Cottonwood Mine intake and fan portals. The line is then buried along the tunnel roadway, across the intake portal pad, through the intake portal access tunnel, connecting to the Cottonwood System at the septic tank location (See

The Trail Mountain Connection was approved on March 17, 1995, by the Division of Water Quality.

Alternative Sediment Control Areas (UMC817.42(3)) - Disturbed areas which cannot be reasonably treated by a siltation structure (i.e., sediment pond) due to remote geographic locations and small areas not justifying a sediment pond but which cannot meet effluent limitations without treatment, are considered Alternative Sediment Control Areas (ASCA). These areas are treated by the best control technology available which includes, but is not limited to: silt fences, berms, catch basins, strawbales, gravel filter dikes, check dams, sediment traps and mulches.

A list of the ASCA's within the permit area is found in Table 5.1 (page 3-51.2).

#### DIVERSIONS

Wilberg Mine operation will not require further diversion of any stream channel in the permit area until reclamation. Specific procedures for diversion during