

0055



PO Box 310  
Huntington, Utah 84528

April 30, 2004

Utah Coal Program  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

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MAY 06 2004

DIV. OF OIL, GAS & MINING

*John*  
C/015/0018

Subject: **Amendment to Update Deer Creek Mine Permit Maps, PacifiCorp, Deer Creek Mine, C015/018, Emery County, Utah**

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby submits an amendment to update and remove maps in the Deer Creek Mine MRP that are out-dated or no longer needed.

Maps include; update of the Raptor Monitoring Location Map (Plate 2-18B), removal of the Access Road Plan and Profile Map (Plates 3-18 and 3-19), and removal of the Reclamation Maps (Plates 4-1, 4-2, 4-3, and 4-4). Also supplied with Plate 3-19 are hydraulic calculations for a culvert along the C-2 beltline. This culvert was installed to pass drainage from the access road, under the C-2 beltline, to the Deer Creek Canyon drainage. The page of calculations will be relocated from Volume 6 to the Appendix Volume, Volume 3, Appendix VII (Hydrology Calculations).

There was also a reference to Plates 3-18 and 3-19 in the Operation Plan (Volume 2, Part 3) on page 43. This reference was deleted from the text.

Five (5) copies of this amendment is included with this submittal along with the required C1/C2 forms. An additional copy has been delivered to the Price Field Office for review. If you have any questions or concerns regarding this document, please contact myself at (435) 687-4720 or Dennis Oakley at (435) 687-4825.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles A. Semborski".

Charles A. Semborski  
Permitting/Geology Supervisor

Enclosure: Amended Pages to Volume 2 and Volume 4  
Plate 2-18B (Updated May, 2003)  
C1/C2 Forms

Cc: Doug Johnson (EWMC, w/o encl.)  
File

Huntington Office:  
(435) 687-9821  
Fax (435) 687-2695  
Purchasing Fax (435) 687-9092

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Deer Creek Mine:  
(435) 687-2317  
Fax (435) 687-2285

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** PacifiCorp

**Mine:** Deer Creek Mine

**Permit Number:** C/015/018

**Title:** Amendment to Update Deer Creek Mine Permit Maps

**Description,** Include reason for application and timing required to implement:

Maps need updated or removed because they're outdated.

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ <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 the application include operations outside a previously identified Cumulative Hydrologic Impact Area?                                     |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the 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?  |
| <i>Explain:</i> _____   |   |
| <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 the 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures?  |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?  |
| <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?   |

**Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you.** (These numbers include a copy for the Price Field Office)

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.

Charles A. Semborski  
Print Name

*Charles A. Semborski*

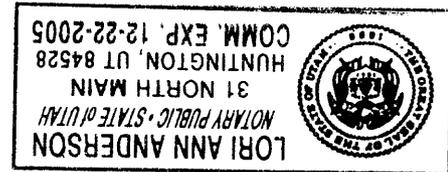
Geology/Permitting Supervisor 5-4-04  
Sign Name, Position, Date

Subscribed and sworn to before me this 4<sup>th</sup> day of May, 2004

Lori Ann Anderson  
Notary Public

My commission Expires: 12/22, 2005

Attest: State of Utah } ss:  
County of Emery



**For Office Use Only:**

Assigned Tracking  
Number:

Received by Oil, Gas & Mining

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DIVERSIONS

Deer Creek Mine operation will not require further diversion of any stream channel in the permit area until reclamation. Specific procedures for diversion during reclamation are described in the Reclamation Section. Existing runoff and stream channel diversions are described in Operation Plan.

**R645-301-527**

TRANSPORTATION FACILITIES

Deer Creek Mine operation utilizes roads and conveyors, in association with facilities described in Operation Plan. All portal facilities are shown on Map 3-9. A description of the construction, maintenance, and removal of each transportation facility at Deer Creek Portal follows.

Roads

Safety factor calculations for all roads are located in Appendix III.

**R645-301-527.120**

Primary Roads

The access road from the end of the county road to the parking lot is designated as a Primary road. It is an extension of an Emery County Road 306 which runs approximately three miles up Deer Creek Canyon from State Highway 31 in Huntington Canyon to the mine security gate.

Detailed plans of the access road are unavailable due to its age. A general road plan is shown on drawing 3-18 and 3-19.

Road width averages 20'. Road gradient averages approximately 8% until it nears the facilities area. A 1,000' length of road from the truck loadout to the parking lot has a gradient of 18%. Steep narrow canyon terrain allows no leeway for a more gradual gradient. Asphalt and road base thicknesses are variable due again to road age and periodic resurfacing. Asphalt thicknesses are at least 4". The mine access road is crowned in the center, gradually sloping to the sides.

# ENGINEERING REPORT

## DEER CREEK MINE

### C-2 CONVEYOR ACCESS ROAD DIVERSION CULVERT (LOCATED AT SUPPORT U-86)

#### INTRODUCTION

The access road to the Deer Creek Mine is a county road. A section of this road, approximately 1400', runs parallel to the C-2 conveyor and maintenance road corridor for which Utah Power and Light must maintain drainage control.

Drainage along this portion of the access road is separated by a dirt berm along its length. At the lowest point along this 1400' length a culvert is to be installed to pass access road drainage under the conveyor corridor and into the creek.

#### DESCRIPTION

- A. The drainage area served by this culvert is the access road. The following data was used to calculate the peak flow rate:

Methods of Calculation: Rational Method  
Area/Asphalt Road = 1400' Long X 30' Wide = 42,000 ft<sup>2</sup>  
C = 0.87  
i = 7 inches/hour  
Maximum Flow Rate = 6.1 C.F.S.

- B. The culvert selected is 24" in diameter. This size culvert will safely pass the flow rate of 6.0 C.F.S. with no headwater.

Therefore: A 24" diameter culvert is used. Inlet protection is a flared metal inlet with rock rip-rap protection around the inlet.

- C. Using methods from "Applied Hydrology and Sedimentology for Disturbed Areas", the following outlet protection is calculated.

Peak Flow = 6.1 C.F.S.  
Channel Slope = 30%  
Channel Section = Trapezoidal 3 foot bottom width, side slope 3:1  
Channel Lining = Rock rip-rap  $D_{50} = 2.75$  ft.  
Thickness equal to  $D_{100}$   
Filter Blanket = none  
The existing material is a gravelly material 8" minus

At the point of discharge into the creek a rock rip-rap fan will be installed as follows:

Size = 10' X 10'  
Rip-Rap = Size  $D_{50} = 2.75'$   
Thickness equal to  $D_{100}$   
Filter blanket will be existing material