

0037

Canyon Fuel Company, LLC  
Dugout Canyon Mine  
P.O. Box 1029  
Wellington, Utah 84542



INCOMING  
0000037

April 15, 2005

Ms. Pamela Grubaugh-Littig  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

RE: Pace Canyon Fan Portal Amendment, Task #2104 - Dugout Canyon Mine, Canyon Fuel Company, LLC, C/007/039, Carbon County, Utah

Dear Ms. Grubaugh-Littig:

Attached please find four copies of revisions to information submitted. These revisions or additions are provided after a conversation with Pete Hess following his review of submitted information. The additions include a photograph of the fan to be installed at the Pace Canyon site and a design for the waterbars on the realigned road segment. Figure PC-1 in appendix 5-10 has been revised and we have added a sentence to Page 5-16 concerning the evase on the fan.

We appreciate your commitment to complete this review as quickly as possible. Please do not hesitate to contact us with concerns as they arise in your review process. We are committed to address your concerns as they arise, thus the information provided in this submittal. A copy of this submittal has been delivered to the Price field office.

Thank you for your assistance and if you have any questions please call me at (435) 636-2869.

Sincerely yours,

Vicky S. Miller

cc: Dave Spillman  
Pete Hess

RECEIVED

APR 15 2005

DIV. OF OIL, GAS & MINING



## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Canyon Fuel Company, LLC

**Mine:** Dugout Canyon Mine

**Permit Number:** C/007/039

**Title:** Pace Canyon Fan Portal - Task ID #2104, TA Response - Road Water Bars, Fan Evase, and Etc.

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

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

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: 2.7  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?  
*Explain:* \_\_\_\_\_
- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  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.

David Spillman  
Print Name

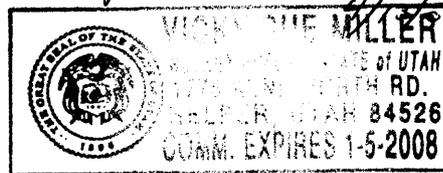
David Spillman, Engineering Manager  
Sign Name, Position, Date

Subscribed and sworn to before me this 13 day of APRIL, 2005

Vicky Ann Miller  
Notary Public

My commission Expires: 1-5, 2008

Attest: State of UTAH } ss:  
County of CARBON



<p><b>For Office Use Only:</b></p>	<p><b>Assigned Tracking Number:</b></p>	<p><b>Received by Oil, Gas &amp; Mining</b></p> <p style="text-align: center; font-size: 1.2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-weight: bold;">APR 15 2005</p> <p style="text-align: center;">DIV. OF OIL, GAS &amp; MINING</p>
------------------------------------	---	---

Under the currently approved construction plan, several areas within the existing disturbed area boundary will not be significantly disturbed during site construction. The first such area consists of 0.08 acres located on the hillside west of the portal pad, north of the substation access road, and east of the storage area adjacent to that road. The second such area consists of 0.13 acres located on the hillside above the mine haulage/manway portal. Each of the above areas is located on a hillside above the area of actual disturbance.

Plate PC5-2 in Appendix 5-10 shows the layout of the Pace Canyon Fan Portal Site. Cross sections of this facility are also shown on this map. Figure PC-2 in Appendix 5-10 depicts the Gilson seam mine planned workings. (February 2005). Facilities at the Pace Canyon Fan Portal Site will include:

- Portal - see Section 529,  
Fan Shaft - 20 foot diameter shaft, 60 to 70 feet deep,  
Fan and motor building - metal structure containing a fan,  
Transformers - metal structure sitting within a concrete containment structure,  
Emergency Generators - two trailer mounted generators sitting within a concrete containment structure,  
Fuel Storage Tank - Tank sitting within a concrete containment structure adjacent to the generators,  
Topsoil Storage Piles,  
Sediment Trap - see Appendix 7-12.

The pad will accommodate the mine fan, associated ducting and motor building, diesel generators, transformers, fuel storage tank, and intake portal which will also accommodate an escape way. **The fan ducting is equipped with a vertical evase (diffuser) to assist in reducing noise associated with the operation of the fan.**

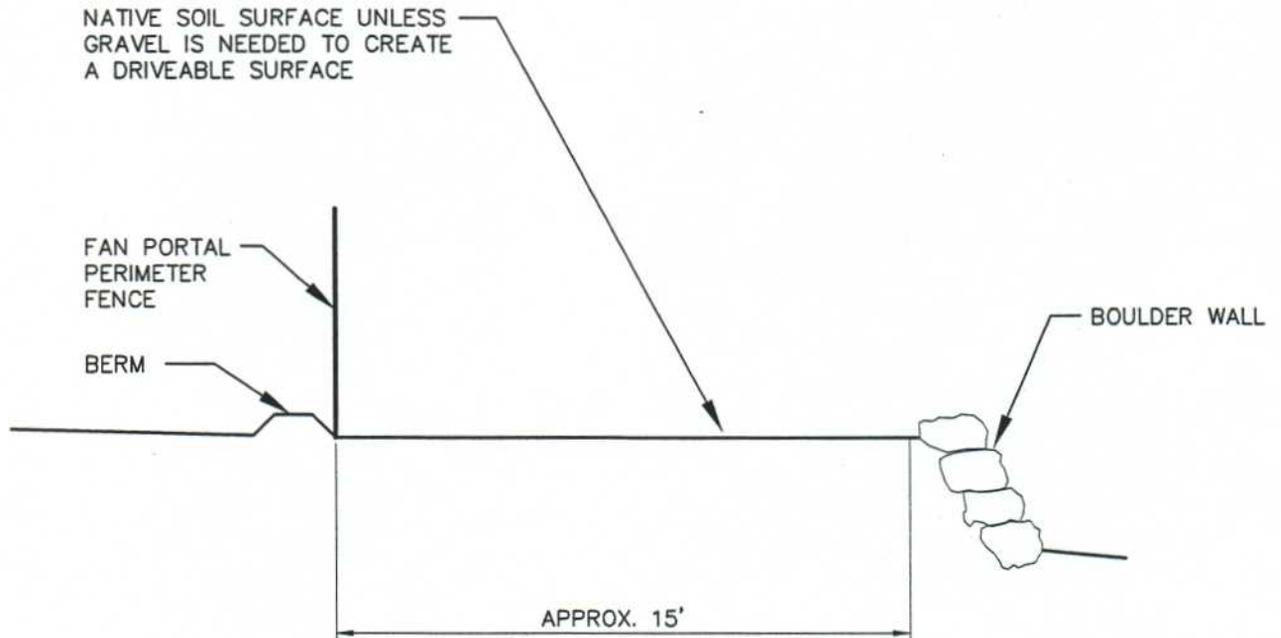
**Transportation Facilities.** Roads that will be constructed, used, or maintained by SCM in the permit area for the mining and reclamation operations are shown on Plate 5-2. No rail systems or overland conveyor systems (other than the material-handling conveyors in the mine yard) will be associated with the permit area. Drainage structures associated with the roads are discussed in Section 752.200 of this M&RP. Typical cross sections of the primary roads are provided on Figure 5-1. Refer to Sections 527.100 and 527.200 for additional information concerning roads to be used during the mining operation. As shown on Plate PC5-2 the existing road in Pace Canyon will be

Canyon Fuel Company, LLC  
SCM/Dugout Canyon Mine

Mining and Reclamation Plan  
April 2005

**APPENDIX 5-10**

Pace Canyon Fan Facilities



NOTES:

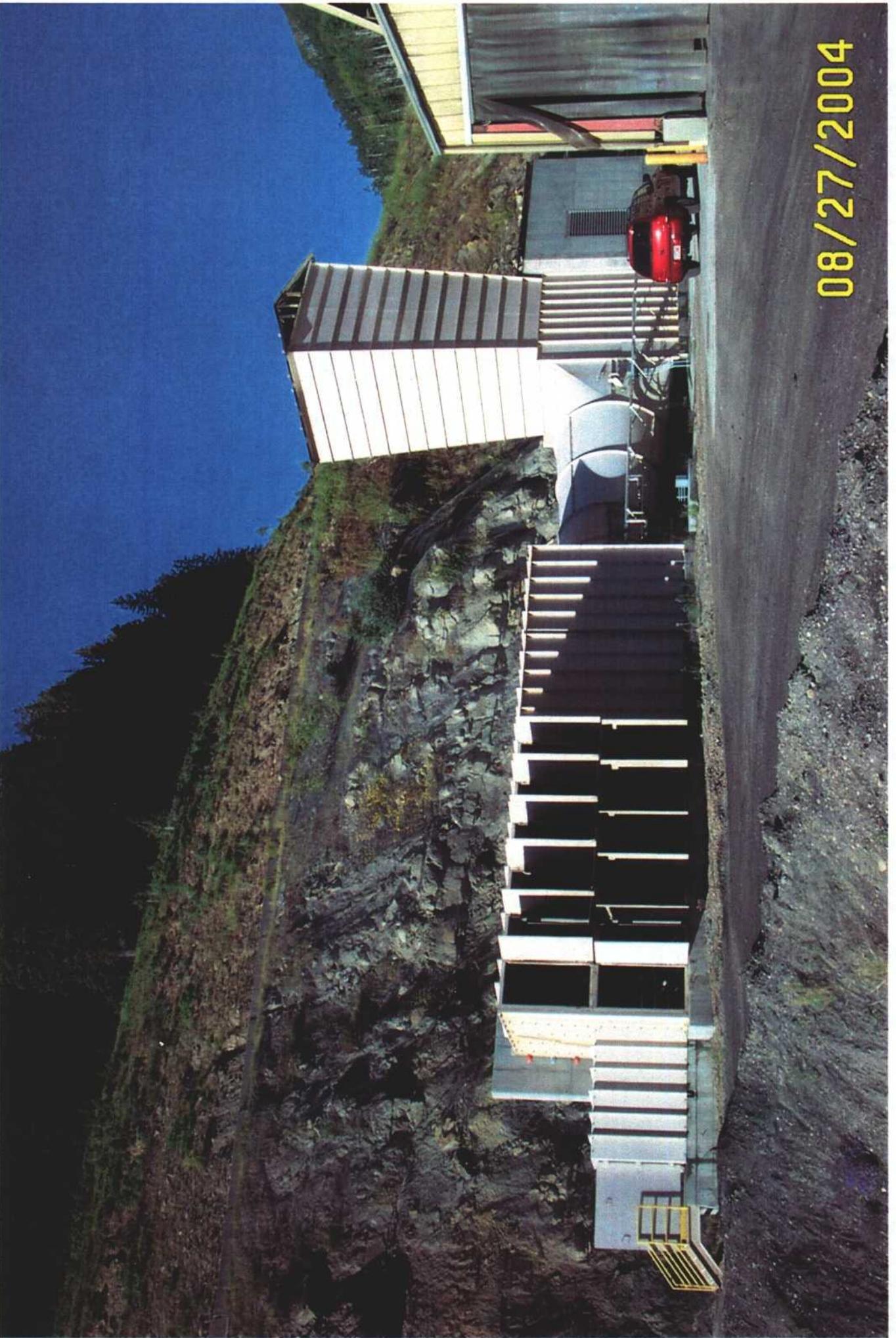
WATER BARS SHOULD BE INSTALLED WHERE SHOWN ON PLATE PC7-5.  
THE WATER BAR DESIGN CAN BE FOUND IN APPENDIX 7-12 ATTACHMENT 1.  
WATER BARS SHOULD DRAIN WATER OFF THE ROAD AT A 1 TO 3% SLOPE.



APPENDIX 5-10, FIGURE PC-1. TYPICAL CROSS-SECTION OF THE REALIGNED ROAD, PACE CANYON FAN FACILITIES



08/27/2004



Canyon Fuel Company, LLC  
SCM/Dugout Canyon Mine

Mining and Reclamation Plan  
April 2005

**APPENDIX 7-12  
ATTACHMENT 1**

Hydrology Calculations



### Water Bar Design

Three water bars have been specified. The location of the water bars can be seen on Plate PC7-5. Three water bars have been specified to minimize the amount of runoff flowing down the road.

The water bars should be constructed such that :

- The water bar allows runoff to flow completely off the road into a vegetated or stabilized area;
- The slope off the road should be greater than 1% but not more than 3%;
- The slope leading upto the water bar and down into the water bar should not exceed 5:1;
- The depth of the water bar should be 6".

