

**From:** "Mark" <cwmining@etv.net>  
**To:** <PAMGRUBAUGHLITTIG@utah.gov>  
**Date:** 4/18/03 3:15PM  
**Subject:** AM03B-1

CO-OP MINING COMPANY

P.O. Box 1245  
Office (435) 687-2450  
Huntington, Utah 84528  
FAX  
(435) 687-2084

April 18, 2003

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

Re: Application to Change Existing Mining Plan, Soil Movement Amendment,  
Bear Canyon Mine, ACT/015/025-AM03B-1

Pam Grubaughlittig:

Enclosed is a response to the deficiencies found in amendment AM03B. I  
am  
submitting it electronically and also sending five hard copies in the mail.

If you have any questions, please call me at (435)  
687-5238.

Thank You,

Mark Reynolds  
Environmental Coordinator

Enclosure(s)

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**Re: Application to Change Existing Mining Plan, Soil Movement Amendment, Bear Canyon Mine, ACT/015/025-AM03B-1**

Priscilla Burton:

Enclosed are five DRAFT of pages 3O-13 and 3P-7. Please replace the old pages in amendment AM03 with these new ones.

If you have any questions, please call Mark at (435) 687-5238.

Thank You,

Wendell Owen  
Resident Agent

Enclosure(s)

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** CO-OP MINING COMPANY

**Mine:** BEAR CANYON MINE

**Permit Number:** ACT/015/025

**Title:** Soil Movement Amendment (AM03B-1)

**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: 0.055  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.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Sign Name, Position, Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Notary Public

My commission Expires: \_\_\_\_\_, 20\_\_\_\_ }

Attest: State of \_\_\_\_\_ } ss:  
County of \_\_\_\_\_ }

**For Office Use Only:**

**Assigned Tracking  
Number:**

**Received by Oil, Gas & Mining**



Figure 3O-3 shows the locations of cross-sections for the No. 3 Mine Portal Pad area. The construction sequence will start with the recovery of the topsoil located on the existing cut bench above the proposed pad area. Initial topsoil on the slopes will be recovered using a trackhoe to reach approximately 15' below the bench. A pilot road cut will then be made using the trackhoe, and the material will be pulled back onto the bench. As the pilot cut proceeds into the bottom of the canyon, the topsoil will be removed from the lower slopes wherever the trackhoe can reach. This process will continue until the pilot cut reaches the drainage area where the pad fill is to be placed.

Once access into the drainage has been constructed, the crews will proceed to recover all of the topsoil, which will be hauled to the topsoil storage area shown on Plate 2-4F. An estimated volume of 5,143 cu yds of topsoil material will be recovered. After the topsoil has been removed, the fill will be placed as described in this Appendix. Table 3O-4 shows the calculated cut and fill volumes. The contours of the pad outslope may vary slightly to account for the shortage in cut volumes shown in the Table.

During construction 1,000 yds<sup>3</sup> of material was excavated and moved from TS-15 to TS-11 to allow for construction of the tunnel. Once construction was completed 1,000 yds<sup>3</sup> of material was hauled from TS-17 to backfill the tunnel in TS-15 and the material in TS-11 was left there for reclamation.

During reclamation, the cut and fill process will be reversed. The reclaimed slopes will be reconstructed to approximate original contour, with the exception that localized ridges between drainages will be varied slightly from the original contours. In addition, a portion of the cut slope, shown on Plate 3-2G, will remain in place due to slope stability requirements. This will provide additional material which will be used to eliminate to the extent possible the bench cut which existed prior to mining. This variation is shown in portal area cross-sections 1+00, 2+00, and 3+00.

Final crowning of the road, laying of road base and installation of permanent ditches will be completed following the initial road contouring. The approximate road contours are shown on Plate 2-4G.

During reclamation, the cut and fill process described above will be reversed. The reclaimed slopes will be reconstructed to approximate original contour. Subsoil material will be compacted in a minimum of 12 inch lifts. A minimum 8" of topsoil will be placed un-compacted over the regraded area. Topsoil material will be pocked to aid in water retention and runoff control during vegetation establishment (See Appendix 7-K). **The 1,000 cu. yds. used in TS-15 and any material used in TS-7 and TS-8 will be replaced by material from TS-5 during reclamation. All material moved will be sampled according to table 3K-1 using the sample frequency in table 8.11-1**

Most areas of the road will remain in place for post-mining access to a hunting cabin. These areas are shown on Plate 8-5G and are labeled "area not requiring recontouring or topsoil within the disturbed boundary". The remaining areas of the road will be completely removed and used for fill material during the cut and fill process and the pre-mining road will be restored as shown on the cross-sections in Attachment A. A more detailed description of the hunting cabin can be found on page 4-7 of the MRP. No culverts will be removed since they are need for access to the hunting cabin.

**During construction 1,000 cu. yds. of material was hauled to TS-15 as described on page 30-13. Any additional material generated due to miner variations will be hauled to TS-7 and TS-8 for reclamation in those areas.**