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October 22, 2001

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

To Whom It May Concern,

Re: Amendment AM01A, Bear Canyon Mine, ACT/015/025-AM01A, Emery County, Utah

C/O 15/025
Income
Copy Patricia, Hagne
Jan (Dore)

Enclosed are three draft copies of pages and plates associated with Amendment AM01A. The enclosed information has been prepared in response to the deficiencies outlined in the Technical Analysis dated September 27, 2001.

Plates 2-4A, 3-2A and 7-1A are included in this amendment, but have not been included with this submittal. The Plates were previously submitted and no revisions were required. Please insert the previously submitted Plates 2-4A, 3-2A and 7-1A into the enclosed submittal.

In addition, Plates 2-4C, 2-4D, 7-1C, 7-1D, 7-5 and 7-7 have not been included in this submittal. However, modifications to the Plates will result from the enclosed modifications. The changes to these Plates are the same changes which have been made to Plates 3-2C and 3-2D, which are enclosed. In an effort to reduce time and reproduction costs, Co-Op requests that the Division allow these Plates to be inserted with the finalized copies. Only changes reflected on the enclosed Plates 3-2C and 3-2D will be made to the Plates in the final submittal.

Also enclosed is an attachment to this cover letter which details the changes which have been made in response to the deficiencies.

This amendment details cut and fill calculations which need to be modified in an additional amendment which Co-Op needs in order to complete the construction of Wild Horse Ridge. Co-Op requests that the review of this amendment be expedited to avoid having to involve this information in the other amendment while deficiencies are still outstanding. Although Co-Op believes all of the deficiencies have been adequately addressed, we would like to wait until Division approval of this information before submitting the modifications for Wild Horse Ridge.

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

Thank You,

Wendell Owen

Wendell Owen
Resident Agent

RECEIVED

OCT 24 2001

DIVISION OF
OIL, GAS AND MINING

Enclosure(s)

APPLICATION FOR PERMIT PROCESSING

| | | | | | | |
|---|-------------------------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|---------------------------------|
| <input type="checkbox"/> Permit Change | <input type="checkbox"/> New Permit | <input type="checkbox"/> Renewal | <input type="checkbox"/> Transfer | <input type="checkbox"/> Exploration | <input type="checkbox"/> Bond Release | Permit Number: ACT/015/025 |
| Title of Proposal: | | | | | | Mine: BEAR CANYON MINE |
| Ballpark drainage RC-BP1/Appendix 3-L TA-2 response | | | | | | Permittee: CO-OP MINING COMPANY |

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

Drainage design is to protect ballpark from offsite water flows, and to update the topsoil use description in preparation for bond release.

Instructions: If you answer yes to any of the first 8 questions (gray), this will be a Significant Revision and will require Public Notice.

| | | |
|------------------------------|--|--|
| <input type="checkbox"/> Yes | | 1. Change in the size of the Permit Area? _____ acres Disturbed Area? <u>0.77</u> acres <input type="checkbox"/> increase. |
| <input type="checkbox"/> No | | 2. Is the application submitted as a result of a Division Order? DO # _____ |
| <input type="checkbox"/> No | | 3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> No | | 4. Does application include operations in hydrologic basins other than as currently approved? |
| <input type="checkbox"/> No | | 5. Does application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> No | | 6. Does the application require or include public notice/publication? |
| <input type="checkbox"/> No | | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input 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"/> No | | 9. Is the application submitted as a result of a Violation? NOV # _____ |
| <input type="checkbox"/> No | | 10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____ |
| <input type="checkbox"/> No | | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> No | | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?) |
| <input type="checkbox"/> No | | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> No | | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes | | 15. Does application require or include soil removal, storage or placement? |
| <input type="checkbox"/> No | | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> No | | 17. Does the application require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes | | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes | | 19. Does the application require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> No | | 20. Does the application require or include subsidence control or monitoring? |
| <input type="checkbox"/> Yes | | 21. Have reclamation costs for bonding been provided for? |
| <input type="checkbox"/> No | | 22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream? |
| <input type="checkbox"/> No | | 23. Does the application affect permits issued by other agencies or permits issued to other entities? |

Attach 3 complete copies of the application.

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

Wendell Owen Res Agent 10/23/01
Signed - Name - Position - Date

Subscribed and sworn to before me this 23 day of OCT 2001

Leslie Miller
Notary Public

My Commission Expires: 1-19-2002
Attest: STATE OF SALT LAKE COUNTY OF _____



NOTARY PUBLIC
LESLIE MILLER
3212 So. State St.
Salt Lake City, UT 84115
My Commission Expires
January 19, 2002
STATE OF UTAH

Received by Oil, Gas & Mining
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OCT 24 2001

DIVISION OF
OIL, GAS AND MINING

ASSIGNED TRACKING NUMBER

Application for Permit Processing Detailed Schedule of Changes to the MRP

| | |
|---|---|
| Title of Application: Ballpark drainage RC-BP1 TA-2 Response | Permit Number: ACT/015/025 <hr/> Mine: BEAR CANYON MINE <hr/> Permittee: CO-OP MINING COMPANY |
|---|---|

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

| | | DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED |
|--|---|--|
| | <input type="checkbox"/> REPLACE | Plates 2-4A, 3-2A, 7-1A; updated to show location of Channel RC-BP1. |
| | <input checked="" type="checkbox"/> REPLACE | Plates 3-2B, 3-2C, 3-2D; Corrected post mining topography for TS-3 thru TS-9 |
| | <input checked="" type="checkbox"/> REPLACE | Plates 8-5B, 8-5C, 8-5D; Corrected TS boundaries, Added Cross-sections |
| | <input checked="" type="checkbox"/> REPLACE | pg. 3-83 thru 3-107; Bond Calculations updated to include new cut and fill volumes |
| | <input checked="" type="checkbox"/> REPLACE | Appendix 3-L; cross-sections, cut and fill calculations corrected. |
| | <input checked="" type="checkbox"/> REPLACE | pg. 7-127; Post-Mining drainage table updated. |
| | <input checked="" type="checkbox"/> ADD | pp. 7H-124 thru 7H-127; Certified designs added to Appendix 7-H. |
| | <input checked="" type="checkbox"/> REPLACE | pp. 8iii, 8-21, 8-24 thru 8-30, 8-36, 8-39 thru 8-41; Post-mining description of ballpark soil updated., substitute topsoil locations and amounts identified, cuts and fills summarized. |
| | <input checked="" type="checkbox"/> REPLACE | pg 3-10; Disturbed area acreage updated. |
| | | |
| | <input type="checkbox"/> REPLACE | Plates 2-4C, 2-4D, 7-1C, 7-1D, 7-5, 7-7; Disturbed boundary adjustments to be made. Note: These Plates are not included, but will be updated in the finalized submittal following approval. Adjustments require disturbed area boundary corrections as shown on 3-2C & 3-2D and contour adjustments on Plate 7-7 to match new contours shown on 3-2C & 3-2D. |
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

Plates 2-4C, 2-4D, 7-1C, 7-1D, 7-5 and 7-7 to be included in finalized copies upon approval.

Response to AM01A-1 Technical Analysis Dated September 27, 2001

This document outlines the responses to the summary of outstanding deficiencies contained in the Technical Analysis dated September 27, 2001. The responses to the deficiencies are identified by the regulatory reference contained in the TA document. This response is designed to assist the reviewer in identifying the revisions that have been made to address the deficiencies.

R645-301-150

- 1) The acreage numbers in Table 8.9-1 have been corrected to reflect the recent changes and have been correlated to Plates 8-5. Table 3.3-1 has also been corrected.
- 2) The Ballpark Topsoil Pile volume was removed from Table 8.9-6.
- 3) The reference on page 8-26 was corrected to reflect the correct table (Now 8.9-3).
- 4) Table 8.9-1 was corrected to show The Ballpark Topsoil Pile (Area TS-1) acreage with no re-contouring.
- 5) During the revisions pertaining to the technical deficiencies below, Appendix 3-L was revised for reclamation area TS-5 to clearly show the coal waste volumes, which affected the volume of material proposed to be cut. With the amount of available material, it was determined that a 12" depth would be used on TS-5 during reclamation. Both sections have been corrected to reflect this depth.
- 6) See item 5 above.
- 7) The old table 3L-2 included topsoil volumes that would be ripped and used in place, it now only includes the actual cut and fill volumes. The soil to be ripped and used in place is discussed in chapter 8.
- 8) The totals in table 3L-6, Area TS-7, have been corrected.
- 9) The previous Table 8.9-3 has been eliminated, with Table 8.9-2 and the new Table 8.9-3 (previously 8.9-4) summarizing total analyzed volumes, estimated volumes needed, and estimated volumes available.

R645-301-200

The recommended commitment has been included on page 8-26.

R645-301-234

This is currently shown on Plate 8-5C. The areas within the disturbed area that will not be receiving topsoil material are located outside of the reclamation boundary and are cross hatched. Please see the Legend for cross hatching labeled as "Area not requiring recontouring or topsoil within the disturbed boundary". Plate 8-5C specifically shows that the west slope of the tipple yard will receive substitute topsoil material. See cross-section 9+00. The slope below the tipple access road is shown on Plate 8-5C as not being recontoured because this slope currently maintains its pre-mining configuration and do not contain any coal waste material except material that has existed pre-law. Coal waste will be removed from the slope below the tipple, and will be replaced by substitute topsoil material. This area has been described in Appendix 3-L, section TS-5.

R645-301-234

In reviewing this information, Co-Op found that the deficiencies resulted from a combination of some of the cross-sections being off slightly, as well as some of the contour maps being incorrect. Although contours were corrected during the cut and fill volumes, the maps submitted failed to reflect this. This oversight has been corrected. This has also resulted in some fine-tuning of the disturbed boundary line to reflect the actual on-site conditions. The disturbed area acreages have been adjusted to reflect these conditions.

R645-301-521.120, R645-301-542.300

The entire Appendix 3-L has been certified by a licensed professional engineer, which includes all cross-sections and volumetric calculations. All revised Plates have also been certified.

R645-301-553.252

Appendix 3-L, section TS-5, has been revised to illustrate in detail the reclamation of the coal mine waste material. This includes a commitment to bury the material four feet deep in the fill. The proposed coal mine waste burial depths and sites have been shown in the cross-sections, along with the onsite disposal of concrete material during reclamation. The cut and fill volumes have been revised to reflect the coal waste material to account for regrading in the bond calculations. The bond calculations have also been revised to reflect the calculated volumes. The concrete volumes have not been included in the regrading volumes, since the bond calculations already account for the cost of onsite disposal.

R645-542.300

See **R645-301-234** above.