

CO-OP MINING COMPANY

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January 25, 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

To Whom It May Concern,

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

J. L. Lanning
1/15/03
Per Amendment

OK

Enclosed are five DRAFT copies of an amendment to move 1,000 cu. yd³ of material to aid in the reclamation of the Tank Seam, and to add soil test results to the MRP.

During construction of the WHR Blind Canyon Portals material had to be excavated to allow for construction of the tunnel running under the pad. Due to the shortage of space in the active mine site areas approximately 1,000 cu. yd³ of material was moved to the old Tank Seam pad. This material has now had topsoil and erosion control matting placed over it and has been seeded.

When backfilling over the tunnel under the Blind Canyon pad instead of returning the material from the old Tank Seam Pad material was brought down from the WHR Tank Seam Access Road because the material at the old Tank Seam pad had been seeded, construction of the Tank Seam was taking place at the same time and it was a short distance to haul the soil, thus making it cheaper, and also because of reclamation issues discussed below.

RECEIVED

JAN 27 2003

DIV. OF OIL, GAS & MINING

The current reclamation plan has material coming fro TS-5 (The coal storage area) to reclaim the Bear Canyon #1 and #2 mines (See Appendix 3-L). This means reclamation of the areas requiring soil from TS-5 would not be able to commence until Mining has finished at Wild Horse Ridge.

This amendment is showing that we will be extending the WHR Tank Seam Pad approximately 5 ft. to generate the 1,000 cu. yd³ of material that we are short, and leaving the 1,000 cu. yd³ that was hauled to the old Tank Seam Mine for reclamation. Text has also been changed to say that this material will be replaced by material from TS-5 during reclamation of the Wild Horse Ridge disturbance. We have also added text saying that any additional material generated during construction of the #4 mine will be used in reclamation of the #1 and #2 mines and then will be replaced by material from TS-5 during reclamation of the WHR disturbed areas.

We are only sending in Plate 2-4G for review since changes to the other plates will be exactly the same. These other plates will be submitted when the amendment is approved.

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

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)

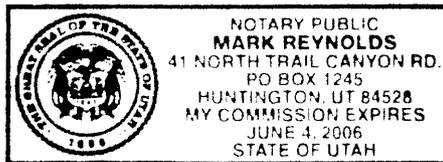
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Wendell Owen Res agent 1/24/03 WENDELL OWEN
 Print Name Sign Name, Position, Date

Subscribed and sworn to before me this 24 day of January, 2003

Mark Reynolds
 Notary Public

My commission Expires: June 4, 2006
 Attest: State of Utah } ss:
 County of Emery



For Office Use Only: 	Assigned Tracking Number: 	Received by Oil, Gas & Mining <div style="font-size: 24pt; font-weight: bold; margin: 10px 0;">RECEIVED</div> <div style="font-size: 18pt; font-weight: bold; margin: 5px 0;">JAN 27 2003</div> <div style="font-weight: bold; margin: 5px 0;">DIV. OF OIL, GAS & MINING</div>
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silt fences placed just above the culvert inlets treating any runoff. Approximate silt fence locations are shown on Plates 7-1C and 7-1E. Upon completion of construction, final as-built contours will be submitted to the Division.

Final crowning of the road and installation of permanent ditches will be completed following initial road and pad contouring. The approximate proposed road and pad contours are shown on Plates 2-4C and 2-4E.

A slope stability analysis of the cut slopes and fill areas, as well as some discussion on the construction methodology, is on page 3H-44 following the cross sections.

Upon completion of regrading activities, interim stabilization of the cut slopes will be accomplished through hydroseeding as described in Appendix 3-G. Cut slopes will be seeded using the seed mix and mulch described in Tables 3G-1 and 3G-2. Downslopes will be seeded by hand prior to the placement of erosion control matting using the permanent seed mix shown in Table 9.5-3. This seed mix will be used in order to establish shrubs as well as grasses to aid in interim stability.

The final as-built cut and fill material volumes are shown in Table 3H-2 on pg. 3H-71.

During reclamation 1,000 yds³ of material was hauled from TS-15 as described on page 3O-13. Because of this 1,000 yds³ of material will be left in TS-8 for use in reclamation in that area.

TS-5 Tipple and Loadout Area

The tipple and loadout area will be reclaimed to match the contours shown on Plate 3-2C, although actual contours may vary somewhat to account for required cut volumes and onsite concrete disposal. The excess coal waste will be used as fill in this area and will be buried a minimum of 4' deep, with a minimum of 12" of substitute topsoil material applied on the surface. In sections 3+00 through 8+00 the existing road on the east side will be left in place for post mining access as shown on Plate 3-2C. Where no regrading is required, and in areas where the cut leaves at least 12" of substitute topsoil material, the area will be ripped and existing substitute topsoil material will be used in place. 15,428 cu. yd of material can be generated in TS-5 for use in TS-7 and TS-8, which exceeds the volume needed as shown in Table 3L-1. 1,000 yds³ of this material will go to TS-17 as described on page 3P-7.

The west slope of the tipple area, shown in cross-section 9+00, will be filled to cover the coal waste which exists in the area. Soil and substitute topsoil from the coal storage pad will then be placed over the coal waste as shown in cross-section 9+00. The slope below the tipple pad will consist of removing coal waste material and replacing it with substitute topsoil material. Although the removing and replacing results in a minimal change in the cross-section and contours, the volumes in Table 3L-4 reflect the removal and replacement of this material.

A summary of the cut and fill volumes is shown in table 3L-4.

TS-8 Upper Storage Pad

TS-8 will be reclaimed as shown on the following cross-sections. The soil labeled as Tank Seam Access Road fill material was not included in the calculations since it will be used while reclaiming the Tank Seam Access Road (Appendix 3-H). 1,000 yds³ of this material will remain in place as described on page 3H-10. A volume of ~~1,952~~ 952 cu. yd. of fill material will come from TS-5 or TS-6. A summary of the cut and fill volumes is shown in table 3L-7.

Table 3L-7. Area TS8 Cut & Fill Summary

Section	Fill (-) Volumes (cu. yd.)	Cut (+) Volumes (cu. yd.)			Volume Cumulative (cu. yd.)
	Total Fill Volume	Substitute Topsoil	Regular Soil	Total Cut Volume	
0+00	2,100	552	0	552	-574
1+00	1,300	1,463	7	1,470	-404
2+00	2,218	1,537	107	1,644	-1,952
Totals	5,618	3,552	114	3,666	

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 yds³ of material was excavated and moved to TS-11 to allow for construction of the tunnel. Once construction was completed 1,000 yds³ of material was hauled from TS-17 to backfill 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 come from TS-5.

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.

Soil Analysis Report

C.W. Mining Company

Bear Canyon Mine

P.O. Box 1245

Huntington, UT 84528

Client Project ID: Bear Canyon Mine

Date Received: 09/30/02

Set #0103S00365

Report Date: 01/14/03

Lab Id	Sample Id	pH s.u.	Saturation %	EC		Calcium meq/L	Magnesium meq/L	Sodium meq/L	Potassium meq/L	SAR
				@ 25°C mmhos/cm						
103S00365	RFM-1 Floor	8.3	28.6	1.64		3.36	10.4	4.01	0.57	1.53
103S00366	RFM-1 Coal	3.7	73.1	1.27		1.47	3.67	4.81	0.31	3.00
103S00367	RFM-1 Ceiling	8.2	27.4	2.39		4.55	17.8	6.29	0.89	1.88
103S00368	Sed Pond A	8.3	39.0	3.15		14.9	14.9	6.71	0.52	1.74

6C-26
 B.C.
 01/13/03

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble, AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate

Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By: _____
 Joey Sheeley, Soils Lab Supervisor

Soil Analysis Report
C.W. Mining Company
Bear Canyon Mine
P.O. Box 1245
Huntington, UT 84528

Client Project ID: Bear Canyon Mine
Date Received: 09/30/02

Set #0103S00365
Report Date: 01/14/03

Lab Id	Sample Id	Very Fine	Sand	Silt	Clay	Texture	CO3	Organic	Alkalinity
		Sand						Matter	PE
		%	%	%	%			%	meq/L
103S00365	RFM-1 Floor	18.9	74.0	18.0	8.0	SANDY LOAM	45.8	0.2	2.20
103S00366	RFM-1 Coal	<0.1	92.0	6.0	2.0	SAND	<0.5	32.3	8.56
103S00367	RFM-1 Ceiling	8.0	54.0	32.0	14.0	SANDY LOAM	66.9	0.2	1.40
103S00368	Sed Pond A	13.2	76.0	14.0	10.0	SANDY LOAM	12.8	1.1	0.80

6C-27
B.C.
01/13/03

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Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor

Soil Analysis Report
C.W. Mining Company
Bear Canyon Mine
P.O. Box 1245
Huntington, UT 84528

Client Project ID: Bear Canyon Mine
Date Received: 09/30/02

Set #0103S00365
Report Date: 01/14/03

Lab Id	Sample Id	TOC %	Total Sulfur %	Neutral. Pot. t/1000t	Boron PE ppm	Nitrogen Nitrate meq/L	Phosphorus mg/Kg	Selenium ppm
J103S00365	RFM-1 Floor	0.1	<0.01	470	0.17	0.66	2.00	<0.02
J103S00366	RFM-1 Coal	18.8	0.44	-2.55	10.6	12.3	4.90	<0.02
J103S00367	RFM-1 Ceiling	0.1	<0.01	691	0.52	0.92	1.70	<0.02
J103S00368	Sed Pond A	0.6	0.29	127	0.86	0.69	3.60	<0.02

6C-28
B.C.
01/13/03

These results only apply to the samples tested.

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Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor