

0036

Task 2589

ok

CO-OP MINING COMPANY

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July 20, 2006

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

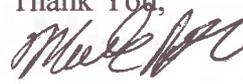
*Inc. by
4/15/025*

To Whom It May Concern,

Re: Application to Change existing Mining Plan, #4 Mine Axillary Portal ASCA, Bear Canyon Mine, ACT/015/025

Enclosed are four hard copy of the #4 Mine Axillary Portal ASCA amendment.

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

Thank You,

Mark Reynolds

Enclosure(s)

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DIV. OF OIL, GAS & MINING

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: Portal ASCA

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

#4 Mine axillary portal ASCA

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: _____ 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.

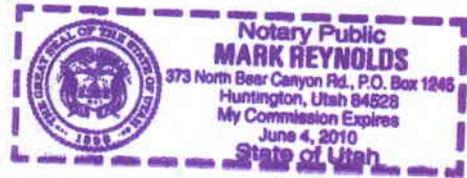
Charles Reynolds
Print Name

Charles Reynolds, President, 7-20-06
Sign Name, Position, Date

Subscribed and sworn to before me this 20 day of July, 2006

Mark Reynolds
Notary Public

My commission Expires: 6-4, 2010
Attest: State of _____ } ss:
County of Emery



For Office Use Only:

Assigned Tracking Number:

Received by Oil, Gas & Mining

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DIV. OF OIL, GAS & MINING

Appendix 5-P

#4 MINE AUXILIARY PORTAL

#4 Mine Auxiliary Portal

This portal is located in the left fork of the right fork of Bear Canyon. It will primarily be used for water monitoring access to seeps and springs located in the area that are normally inaccessible during winter months. If needed in the future this portal could also be used for intake ventilation to facilitate adequate ventilation across the working faces. Although this is not one of the MSHA required escapeways, in the extremely unlikely event that miners are unable to use either the primary or secondary escapeway, they could be evacuated through this portal. Although C. W. Mining does not anticipate this occurring if it did miners would be transported from the portal opening by helicopter. ~~Access to this portal from the outside is similar to access to the Blind Canyon Portal described in Appendix 3-I and this portal is also strongly supported by C. W. Mining safety personnel as well as M.S.H.A.~~

Construction

The construction and reclamation of this portal will be similar to the Blind Canyon portal just as the the uses are similar. The portal will extend to a coal outcrop that is covered by soil ranging from 0 to 3 inches in depth. The portals ~~will be~~ is 6 to 8 feet tall, ~~10.9 to 18~~ feet wide and will be supported by roof bolts which extend into the sandstone rock above the coal ~~Where necessary additional support will be used and may include matting, screens, cribs, timber, and metal canopies. At the entrance the roof jacks and metal roof screens were used.~~ The portal ~~was~~ will be closed with a stopping which will prevent unauthorized access of people as well as large animals which could theoretically utilize the portal for denning. A "No Trespassing" sign ~~will also be~~ was posted outside the portal.

~~The topsoil will be removed from the area by hand and placed in a pile next to the anticipated opening. It will then be transported to a dry location underground once the portal is established. Surface disturbance will be~~ was minimal due to the nature of a continuous mining machine pulling the material into the mine. ~~The continuous miner cut 5 feet passed the massive sandstone that normally forms the mine ceiling into soft soil. The miner was then removed and crews began supporting the roof. While they were doing this the 5 feet of the entry under soft soil roof caved to the surface creating a vertical portal 9' deep on the inby side and 2 to 4 feet deep on the outby side. The roof was supported with roof bolts and stopping was built with a mandoor in the opening. The material that had caved into the portal was primarily topsoil and was stockpiled at the bottom of the portal opening outby the stopping~~

~~Aproximatly one month later the roof bolt supports proved to be inadequate at the outby side of the sandstone roof and a cave occurred. This cave extended 3 feet into~~

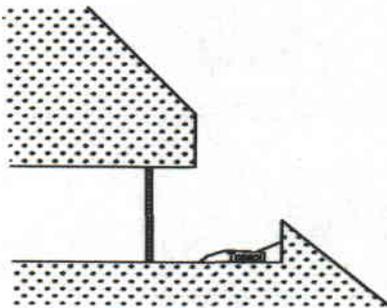
the portal making the opening approximately 8' instead of 5' long this cave consisted of topsoil material and large chunks of sandstone and was allowed to remain on top of the topsoil pile. A walkway was created on the south side of the portal that starts at the stopping and slopes up 2 feet to the southeast corner. Any soil material that is pulled into the mine will be placed in a dry area inside the mine and will be stored for reclamation. Any coal or waste material which might crumble and fall down the slope will be retrieved by hand to whatever degree is reasonable.

The drainage from above the portal is minimal due to the size of the impacted area and the fact that the portal opening will be is on a natural crest causing the water to flow away from the portal opening. In the event that any water does flow down in to the portal a berm will be constructed by hand above the portal opening to facility the flow of water around the portal opening. All water falling into the portal opening will be contained within the topsoil stockpile berm. Cross-Sections and pictures of the portal are shown below.

Reclamation

Reclamation will be accomplished from within the mine similar to the Blind Canyon Portal. The topsoil material being stored in mineportal opening will be placed outside next to the portal opening. Fill material will then be hauled through the mine and backed filled to a depth of 25 feet using underground equipment such as skid loaders and scoops. A permanent cement seal will then be built in the portal. The topsoil will be spread with underground equipment as much as possible before the hole is completely sealed. After the portal is sealed the remaining topsoil work will be done by hand. For revegetation seeds and erosion control matting will be hauled in by hand and placed over the disturbed area.

Pictures



East West Cross Section



North South Cross Section



5P-4

01/13/0606/23/06



5P-5

01/13/0606/23/06

1BTCA Area Q - Upper Tank Seam Access Road Outslope Below D-18U

This area is approx 0.089 acres. It includes the outslope adjacent to ditch D-18U (Plate 7-1E). The total runoff volume from this area is estimated to be 0.011 acre-ft. Erosion will be controlled by the placement of erosion control matting on the slope, which will be maintained. To prevent water from crossing or saturating the slope, berms will be placed along the road, and the road sloped to drain water away from the fill slope.

BTCA Area R – 4 Mine Auxiliary Portal

This area is approx 0.001 acres. It includes the topsoil pile at the bottom the portal shaft and the walkway going past the topsoil pile and up out of the portal shaft. The area is contained by the walls of the portal shaft and a berm built along the stopping that is sealing the portal. A detailed description of the area is included in appendix 5-P. The peak run-off from this area is 0.00 cfs and 0.0050 iph at 1.61 hours.. This was obtained by using the equation shown in Appendix 7-G and a CN number of 90.

BTCA Area S - Outslope of Fill Area Around C-18U, C-19U and C-20U

This area is approx 0.123 acres, and includes the fill outslope of the upper Tank Seam Access Road around culverts C-18U, C-19U and C-20U (Plate 7-1E). The estimated volume of runoff from this area is 0.015 acre-ft, with a maximum slope length of 35 ft. Erosion and runoff will be controlled by the placement of erosion control matting on the slope, which will be maintained. To prevent excess water from crossing or saturating the fill slope, a berm will be maintained along the outside edge of the road and the road will be sloped to drain water away from the fill slope.

BTCA Area T – WHR Tank Seam Topsoil Stockpile Area

This area consists of 0.31 acres, shown on Plate 7-1G. The topsoil stockpile will be totally contained by a berm to prevent any topsoil from being eroded from the stockpile.