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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 17, 1995

Charles Reynolds
Environmental Coordinator
Co-op Mining Company
Po Box 1245
Huntington Utah 84528

Re: ASCA Amendment, Bear Canyon Mine, Co-Op Mining Company, ACT/015/025-95I, Folder #3, Emery County, Utah

Dear Mr. Reynolds:

For your information, the aforementioned amendment has been assigned number **95I**.

This amendment has been forwarded to the Salt Lake City Division for review. In my opinion, it appears adequate. At this time, I am not certain what hydrologist will be reviewing this submittal.

Should you have any questions, please contact Mr. Joe Helfrich at (801) 538-5340. Thank you.

Sincerely,

Peter Hess
Engineer II

sd
cc: J. Helfrich

95 I

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ACT/015/025 #2

August 18, 1995

Charles Reynolds
Co-Op Mining Company
P. O. Box 1245
Huntington, Utah 84528

RE: Submittal of Adequate Number of Copies for Approved Amendment, Bear Canyon Mine, Co-Op Mining Company, ACT/015/025-94J, Folder #2, Emery County, Utah

Dear Mr. Reynolds: ACT/015/025 #2

According to my records, amendment 94J, which was the amendment submitted to mitigate the subsidence openings at Bear Canyon (subject of N94-46-4-1B), was approved on April 27, 1995.

Although it was not certain at that time what procedures were to be established by the DOGM to handle amendments, it has since been determined (as indicated to you in my letter of August 2, 1995) that 6 copies are necessary for forwarding to various agencies of approved Bear Canyon amendments.

Please submit 6 copies of the aforementioned amendment so that it may be properly processed. Thank you.

Sincerely,

Peter Hess

Peter Hess
Engineer II

sd
cc: J. Helfrich, Permit Supervisor
P. Grubaugh-Littig, Permit Coordinator

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528

Office (801) 687-2450
FAX (801) 687-5238
Coal Sales (801) 687-5777

This submittal was not approved.

April 27, 1995

RECEIVED
28 1995
DIVISION OF OIL
GAS & MINING PRICE UTAH

Pete Hess
Utah Division of Oil, Gas & Mining
C.E.U. Box 169, 451 East 400 North
Price, Utah 84501-2699

95E was approved on 5-10-95

Mr. Hess,

Re: Coal Mine Waste Storage, Bear Canyon Mine, ACT/015/025, Emery County, Utah

Enclosed are three DRAFT copies of an amendment to allow for the storage of coal mine waste material which is separated from the coal on the surface to be returned underground. Co-Op has also proposed to revised the testing procedure from one sample per every 25 tons to one sample per every 50 tons. Co-Op feels this would still produce an adequate amount of samples to verify the acid/toxic levels of the material.

If you have any questions or comments, please call Charles Reynolds at (801) 687-2450. Upon approval, finalized copies will be sent to the Division.

Thank You,

Wendell Owen

Wendell Owen,
Resident Agent

Enclosure(s)
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Form DOGM - C1 (Last Revised 6/93)

File Folder # 3

APPLICATION FOR PERMIT CHANGE

Title of Change:	Permit Number: ACT/015/025
Coal Mine Waste Handling	Mine: Bear Canyon
	Permittee: Co-Op Mining Co.

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

Amendment clarifies Coal Mine Waste handling

☐ Yes	☒ No	1. Change in the size of the Permit Area? _____ acres ☐ increase ☐ decrease.
☐ Yes	☒ No	2. Change in the size of the Disturbed Area? _____ acres ☐ increase ☐ decrease.
☐ Yes	☒ No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
☐ Yes	☒ No	4. Will permit change include operations in hydrologic basins other than currently approved?
☐ Yes	☒ No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes	☒ No	6. Does permit change require or include public notice publication?
☐ Yes	☒ No	7. Permit change as a result of a Violation? Violation #
☐ Yes	☒ No	8. Permit change as a result of a Division Order? D.O.#
☒ Yes	☐ No	9. Permit change as a result of other laws or regulations? Explain: To ensure waste rock activities comply w/MRP
☐ Yes	☒ No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
☐ Yes	☒ No	11. Does the permit change affect the surface landowner or change the post mining land use?
☐ Yes	☒ No	12. Does permit change require or include collection and reporting of any baseline information?
☐ Yes	☒ No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
☐ Yes	☒ No	14. Does permit change require or include soil removal, storage or placement?
☐ Yes	☒ No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
☐ Yes	☒ No	16. Does permit change require or include construction, modification, or removal of surface facilities?
☐ Yes	☒ No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
☐ Yes	☒ No	18. Does permit change require or include certified designs, maps, or calculations?
☐ Yes	☒ No	19. Does permit change require or include underground design or mine sequence and timing?
☐ Yes	☒ No	20. Does permit change require or include subsidence control or monitoring?
☐ Yes	☒ No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
☐ Yes	☒ No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
☐ Yes	☒ No	23. Is this permit change coal exploration activity ☐ inside ☐ outside of the permit area?

☐ **Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.**

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 4/27/95

Signed - Name - Position - Date

Subscribed and sworn to before me this 27 day of April, 19 95.

Dianne Stone

Notary Public

My Commission Expires: _____, 19 ____

Attest: STATE OF _____

COUNTY OF _____

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER

Form DOGM - C2 (Last Revised 6/93)

File Folder # 3

Application for Permit Change
Detailed Schedule of Changes to the Permit

Title of Change: Coal Mine Waste Handling

Permit Number: ACT/015/1925

Mine: Bear Canyon

Permittee: Co-Op Mining Co.

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. 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 exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
☐ ADD	☒ REPLACE	☐ REMOVE	3-57, 3-58; Waste Rock handling clarified.
☐ ADD	☐ REPLACE	☐ REMOVE	
☐ ADD	☐ REPLACE	☐ REMOVE	
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☐ ADD	☐ REPLACE	☐ REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

roads used in conjunction with the mining activities are treated with water and/or non-toxic chemical dust suppressants.

Vehicular traffic is restricted to authorized personnel and maximum vehicle speed is limited to 30 mi/hr. The speed restriction sign is posted along the road.

3.5.7.3 Air Quality Monitoring Plan

The mining operation is not a "major source" under the PSD regulations because total annual controlled emissions of particulate matter are less than 250 ton/year. Therefore, the requirement for air quality monitoring is not required. (Chapter 11, U. Health Approval letter).

3.5.8 Waste Disposal Plans (Spoils, Coal Processing Wastes, Mine Development Wastes, Non-coal Wastes, Removal Handling and Storage.

Coal Waste. Coal mine waste such as separated waste rock will be temporarily stored (but not longer than 15 days from the date of placement) at the designated site on the main storage pad shown on plate 2-4C. Sampling for potential toxicity and acidity will occur for each volume of ~~2550~~ tons or less. Each time waste rock is placed in the area, a survey will be conducted to determine the volume of material being placed in the designated area. A log (which ~~indicates~~ includes a sketch of the material piles placement dates of ~~the material placed~~ same) will be kept of the survey and will be available onsite for review. Samples will be tested for the parameters listed in Table 3K-1, Appendix 3-K and results will be included in Appendix 6-B. The material will then be returned underground and either crushed for (Crushed on Surface or Underground?

DRAFT

road base material, or placed underground in dry areas in accordance with MSHA regulations. If the material is found to be acid or toxic forming the storage area will be ~~surrounded by a containment berm~~ contained to reduce the potential for groundwater contamination. ~~See Section 3.6 for reclamation.~~

Roof and rock materials developed underground during mining and related tunneling activities will be placed ~~remain~~ underground ~~and will not be moved to the surface~~. When relocation of these materials is required underground, they will be placed in "dry" areas where there are no active seeps, sumps or drippers.

Non-Coal Waste. Non-coal waste (~~other than rock refuse~~) generated in the operation of the mine is placed in metal dumpsters which are strategically located on the property. A local trash collector is contracted to replace these bins when they are approx 80 pct full,

Appendix 3-E addresses a comprehensive plan to handle toxic or contaminated material.

3.5.8.1 Coal Seam Monitoring Plan

In order to determine the acid- and/or toxic-forming potential of the strata immediately above and below the coal seam, samples will be taken in new sections where indicated on Plates 3-4. If test results indicate acid- and/or toxic-forming potential additional samples will be taken. Samples will be tested for the parameters listed in Table 3K-1. Test results will be included in Appendix 6-B.

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Coal Waste. Coal mine waste such as separated waste rock will be temporarily stored at the designated site on the main storage pad shown on plate 2-4C. Sampling for potential toxicity and acidity will occur for each volume of ~~2~~550 tons or less. Each time waste rock is placed in the area, a survey will be conducted to determine the volume of material being placed in the designated area. A log will be kept of the survey and will be available onsite for review. Samples will be tested for the parameters listed in Table 3K-1, Appendix 3-F and results will be included in Appendix 6-B. The material will then be returned underground and either crushed for

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