

PERMIT CHANGE TRACKING FORM

DATE RECEIVED	1/19/95	PERMIT NUMBER	007/015/025
Title of Proposal:	Blind Canyon Patal	PERMIT CHANGE #	958
Description:	Breakand Errors	PERMITTEE	Co-Op Mining
		MINE NAME	Blind Canyon

<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION <input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee. <input type="checkbox"/> Request additional review copies prior to Division/Other Agency review. <input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.) <input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.	DATE DUE	DATE DONE	RESULT	
			1/23/95	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
			Permit Change Classification	
			<input type="checkbox"/> Significant Permit Revision	
			<input type="checkbox"/> Permit Amendment	
			<input type="checkbox"/> Incidental Boundary Change	

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative _____						
<input type="checkbox"/> Biology _____						
<input checked="" type="checkbox"/> Engineering <u>JESS</u>	2/21					
<input type="checkbox"/> Geology _____						
<input type="checkbox"/> Soils _____						
<input checked="" type="checkbox"/> Hydrology <u>Tom?</u> <u>Tom</u>	2/1					
<input checked="" type="checkbox"/> Bonding <u>JESS</u>	2/25					
<input type="checkbox"/> AVS Check _____						

COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> OSMRE						
<input type="checkbox"/> US Forest Service						
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input type="checkbox"/> UT Environmental Quality						
<input type="checkbox"/> UT Water Resources						
<input type="checkbox"/> UT Water Rights						
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other						

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	<input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	<input type="checkbox"/> Copy of Approved Permit Change to File.
<input type="checkbox"/> TA and CHIA modified as required.	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.
<input type="checkbox"/> Permit Change Approval Form ready for approval.	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.

APPLICATION FOR PERMIT CHANGE

Title of Change:

Blind Canyon Portal Breakouts

Permit Number: *ACT1 0151025*

Mine: *Bear Canyon*

Permittee: *Co-op Mining Co*

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

This proposal is for updating the bond calculations, which previously did not include these existing breakouts in Blind Canyon. Proposal also includes 2 additional change in the MRP for descriptive corrections.

- | | | |
|---|--|--|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. Does permit change require or include public notice publication? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O.# |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 16. Does permit change require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 17. Does permit change require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 18. Does permit change require or include certified designs, maps, or calculations? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> 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 Myers - Res Agent - 1/13/95
 Signed - Name - Position - Date

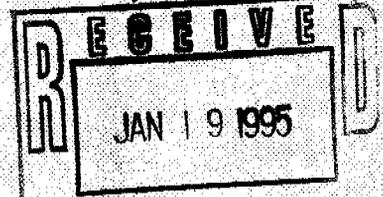
Subscribed and sworn to before me this *13* day of *January*, 19 *95*
Leanne Stone



My Commission Expires: _____, 19____
 Attest: STATE OF _____
 COUNTY OF _____

Notary Public
LEANNE STONE
 P.O. Box 300
 Huntington, Utah 84528
 My Commission Expires
June 18, 1997
 State of Utah

Received by Oil, Gas & Mining



DIV OF OIL, GAS & MINING
 ASSIGNED PERMIT CHANGE NUMBER

2.8 PROPOSED PERFORMANCE BOND

As required by R644-301-800 and 30 CFR 800.11, the applicant has filed copies of a Performance Bond conforming to 30 CFR 805 and 806 and R644-301-800. Reclamation costs relevant to this bond are detailed in Section 3.6.7.

2.9 OTHER LICENSES AND PERMITS

Section 2.2.8 lists coal mining permits applied for by the applicant and principal shareholder. The other permits and licenses dealing with land use, air and water quality, water rights and health and safety laws and regulations are listed in Table 2-2.

2.10 LOCATION OF PUBLIC OFFICE FOR FILING APPLICATION

The applicant has simultaneously filed complete copies of this application with the following agencies:

State of Utah
Division of Oil, Gas, and Mining
355 W. No. Temple, 3 Triad Center Suite 350
Salt Lake City, Utah 84111

12 copies

8 copies to be forwarded to DSM, etc.

DRAFT

3.3.2 Portals

Bear Canyon #1 Mine has seven portals:

Bear Canyon Seam - Bear Canyon Side	3
- Blind Canyon Side	2
Hiawatha Seam	<u>2</u>
TOTAL	7

The Bear Canyon Seam (Plate 3-4A) has two fan, one belt, and two intake portals. The first fan portal is in Bear canyon near the upper storage pad and the second is in Blind Canyon. The belt portal pad is shown on Plate 3-6. One intake portal is located in the main portal area, and one in Blind Canyon (Appendix 3-I).

Three accidental breakouts also exist in Blind Canyon, making a total of 5 openings in the Bear Canyon Seam on the Blind Canyon side. These will be reclaimed in the same manner as the other portals (Appendix 3-I). Reclamation costs for these breakouts are included in the bond calculations.

There are two portals in the Hiawatha Seam (Plate 3-4B): a belt and an intake portal. A new fan portal is planned in the Hiawatha seam when mining conditions warrant.

The Bear Canyon #2 Mine, proposed for the Tank Seam, will have three portals (Plate 3-4C), all located in Bear Canyon. This will create a total of ten portals for the Bear Canyon Mine Permit.

DRAFT

pumping to overcome elevation differences.

In the unlikely event that mining adversely affects a water source, Co-Op will select an alternative after considering all possibilities of each site-specific circumstance. Forest Service approval will be obtained for water effected on Federal Lease U-024316.

Stream Buffer Zones R645-731-600

In 1985 the Division authorized coal mining and reclamation operations closer than 100 ft to Bear Creek. ~~In 1993, the Division authorized the shower house pad area and sediment pond "C" closer than 100 ft to Bear Creek.~~ Authorization was required due to the narrow nature of Bear Canyon and the location of existing Pre-1977 roads and coal storage areas.

Co-Op has attempted to protect Bear Creek in all areas where existing structure and disturbance preclude the establishment 100 ft buffer zones. This has been accomplished by earthen berms along roads adjacent to the stream, culverts in the area of the scale house, and maintained diversion ditches on all tributaries which pass disturbed runoff from haul roads. In addition, all disturbed area runoff other than haul roads and specified BTCA areas (see Appendix 7-K) pass through sediment pond "A" ~~"B"~~ or "B" ~~"C"~~ prior to discharge into Bear Creek. The buffer zone that does exist is properly posted as shown on Plates 2-4. Co-Op is committed in taking all necessary safeguards to ensure the integrity of Bear

Summary of Reclamation Cost Estimate

a.	Seal Portals and Backfill	\$ 35,000.00
		\$ 45,500.00
b.	Removal of Structures	\$ 62,025.00
c.	Soil Placement and Ripping	\$ 76,398.32
d.	Channel Restoration	\$ 51,045.00
e.	Revegetation	\$ 44,119.78
f.	Monitor Well Plugging	\$ 114.32
g.	Maintenance and Monitoring of Subsidence, Vegetation and Erosion (10 yr bond liability Period)	\$ 39,143.20
h.	Hydrology Monitoring (10 yr bond liability period)	\$ 29,630.00
i.	Supervision (20.2 weeks)	\$ 14,285.44
j.	Mobilization and Demobilization	\$ 2,500.00
		\$354,261.06
		\$364,761.06
	5.1% Reclamation Management Cost	\$ 18,067.31
		\$ 18,602.81
	10 pct contingency	\$ 36,476.11
		\$ 35,426.11
	(1990 dollars)	\$407,754.48
		\$419,639.98

Escalated Values

1991 -	\$412,933	425,172
1992 -	\$422,059	434,568
1993 -	\$432,779	445,606
1994 -	\$441,478	454,563
1995 -	\$450,352	463,700
1996 -	\$459,404	473,020
1997 -	\$468,638	482,528
1998 -	\$478,057	492,227
1999 -	\$487,666	502,120

Escalation Factor

1.27%	(actual)
2.21%	(actual)
2.54%	(actual)
2.01%	(est)

Bond will be posted in accordance with R645-301-820.

Reclamation Costs

a. Seal and Backfill Portals

AMR Costs-\$3,500/seal including
backfill x 10 seals

~~\$ 35,000.00~~
~~15,500.00~~

b. Removal Structures

All estimates with 10 digit numbers are from 1990 Means Site Work cost Data. Utah adjustment factor = 0.923. Most of the steel and equipment will be salvaged for scrap or reuse. M&P Enterprises in Huntington, Utah will pick up and pay \$40.00/ton for scrap iron & equipment if placed in 30 cu yd (8ft wide x 20 ft long x 5 ft high) dumpsters or loaded with crane on their trucks.

Sales-Receiving-Scale House Complex

020-604-0700 (Wood Building, includes disposal)
Volume = (40 ft)(80 ft)(20 ft) = 64,000 cu ft
Cost = (0.923)(0.16/cu ft)(64,000 cu ft) = \$9,451.52
Time = 64,000 cu ft/(14,800 cu ft) = 4.32 days

Cost Subtotal \$9,451.52
Time Subtotal 4.32 days

Shower House

020-604-0700 (Wood Portion, includes disposal)
Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft
Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62
Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

020-604-0650 (Masonry Portion, includes disposal)
Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft
Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62
Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

Cost Subtotal \$10,869.24
Time Subtotal 4.98 days

Shop

020-604-0500 (Steel Building, includes disposal)
Volume = (40 ft)(93 ft)(18 ft) = 66,960 cu ft
Cost = (0.923)(0.16/cu ft)(66,960 cu ft) = \$9,888.65
Time = 66,960 cu ft/(14,800 cu ft/day) = 4.52 days

Cost Subtotal \$9,888.65
Time Subtotal 4.52 days

BLIND CANYON INTAKE AND FAN PORTALS

In order to facilitate adequate ventilation across the working face as mining advances from the existing intake portal and to provide an alternative escape way, Co-op Mining requested approval for the Blind Canyon Ventilation Portal as shown on Plate 3-4A. In addition to the main fan portal, a small breakthrough exists 80 ft to the north. This opening will be used as an intake portal. ~~Three accidental breakouts have also been observed in the Bear Canyon Seam, two south of the main fan portal and one north of the intake portal.~~

Because of the proximity of the portals, the surface configuration and operations involved in their creation are similar. The portals are implemented from within the mine by utilization of standard mining methodology and implementation of a continuous miner. The portals simply extended to an exposed coal outcrop in the head of Blind Canyon. The outcrop originally had a 4 ft overhang made up of an overlying sandstone seam approx 12 ft thick. The coal being of a more erosive nature than the sandstone is incised into the slope. The toe of the coal outcrop is composed of broken ledge rock and lies on approximately a 70 pct slope. The nature and location of the outcrop precludes surface access by any means other than foot. Due to this, they are suitable for an escapeway in the event of a catastrophic closure of the existing portal area and is strongly supported by Co-op's safety personnel as well as M.S.H.A.

~~The three accidental breakouts are the result of outcrop material caving into the entries adjacent to the portals.~~

The portals are supported by roof bolts which extend into the sandstone rock above the coal. Where necessary, bolted matting will be used to minimize sluffing of rock. The intake portal will be closed with a cement stopping for later use. The stopping will prevent access of people as well as large animals which could theoretically utilize the portal for denning. The fan portal will contain an escapeway door on the fan motor housing which will only allow access from within the mine. A "No Trespassing" sign will be posted outside the portal. ~~Accidental breakouts large enough to allow entrance into the mine will be fenced and stoppings built to prevent access into the mine.~~

Surface disturbance is minimal due to the nature of a continuous mining machine pulling the material into the mine. To meet MSHA requirements, a small pad, approximately 30 ft. by 60 ft., will be used in front of the portal for the fan structure. This will require the movement of approximately 240 cu. yds. of material, which will be placed in a dry area inside the mine. Upon reclamation, the material pulled into the mine will be replaced (see Figure 3I-1). Bonding includes reclamation of the portal. No vegetation exists on the coal outcrop which will be impacted. Coal debris which crumbled and fell down the slope during portal construction has been retrieved by hand to whatever degree is reasonable. It is important to note that due to the exposed nature of the coal seam, there is eroded coal presently on the slope.



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)

February 23, 1995

Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, UT 84528

Re: Blind Canyon Portal - Correction of Breakout Errors, Bear Canyon Mine, Co-Op Mining Company, ACT/015/025-95B, Folder #3, Emery County, Utah

Dear Mr. Owen:

The Blind Canyon Portal is conditionally approved upon receipt of an acceptable increased reclamation surety to \$501,120 to cover the additional reclamation costs associated with the breakouts. Please submit three copies of the finalized text for transmittal to other agencies by March 23, 1995.

Sincerely,

Pamela Grubaugh-Littig
Permit Coordinator

cc: Daron Haddock





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)

February 16, 1995

TO: File

FROM: Jess Kelley, Reclamation Engineer *JK*

RE: Review of Submittal to Correct Errors and Omissions in
Descriptions of Blind Canyon Portals, Bear Canyon Mine,
Co-Op Mining Company, ACT/015/025-95B, Folder #2, Emery
County, Utah

SYNOPSIS

In the Fall of 1994, Peter Hess and Tom Munson of the Division inspected this site with Charles Reynolds of Co-Op. While inspecting the Blind Canyon fan portal, the 3 men discovered 3 places near the fan portal where the settling of the overlying ground into workings close to the coal outcrop had created openings into the mine large enough to allow access.

To mitigate this damage, Peter Hess instructed the permittee to include these 3 areas in the existing disturbed area and make provision for reclaiming them.

In response to Peter Hess's instructions, the permittee submitted this amendment for Division approval on January 19, 1995. The submittal consists of text and a map which have been revised to incorporate the 3 accidental breakouts in the approved plan.

ANALYSIS

In order to mitigate the damage caused by the breakouts, the permittee has included the 3 areas in the disturbed area and has committed to reclaim them by sealing them with a block wall and backfilling them, just like any portal opening. Plate 2-5, which shows the Blind Canyon fan portal, has been modified to show the locations of the breakouts. Since the addition to the approved disturbed area is so small, this action does not constitute a significant revision.



Page 2
ACT/015/025-95B
February 16, 1995

The permittee has also included the reclamation costs associated with the breakouts in the overall reclamation cost estimate. The additional reclamation costs raise the overall estimate from \$487,666 to \$502,120, in 1999 dollars. Since the present bond is in the amount of only \$487,911, the bond will have to be increased to cover the additional cost.

FINDINGS/RECOMMENDATIONS

It is recommended 1) that this amendment be approved and included as part of the approved plan, and 2) that the bond be increased to at least \$502,120 to cover the additional reclamation costs associated with the breakouts.

CC: Daron Haddock
Pamela Grubaugh-Littig

#3 Amendment file

PERMIT AMENDMENT APPROVAL

Title: <u>Blind Canyon Portal</u>	PERMIT NUMBER: <u>ACT/015/025</u>
Description: <u>Break out errors</u>	PERMIT CHANGE #: <u>95B</u>
	MINE: <u>Bear Canyon</u>
	PERMITTEE: <u>Co-Op Mining</u>

WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

YES, NO or N/A

1.	The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	Yes
2.	The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	Yes
A.	The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	Yes
B.	The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	Yes
3.	For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	Yes
4.	The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	Yes
5.	The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.).	Yes
6.	The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	Yes
7.	The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	Yes
8.	The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	Yes
9.	The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	Yes
10.	The Applicant has satisfied the applicable requirements of R645-302.	NA
11.	The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	NA

SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

YES NO

1.	Are there any variances associated with this permit amendment approval? If yes, attach.		X
2.	Are there any special conditions associated with this permit amendment approval? If yes, attach. <u>See attached</u>	X	
3.	Are there any stipulations associated with this permit amendment approval? If yes, attach.		X

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed

Daron R. Hedrick
 Division of Oil, Gas and Mining

2/22/95
 EFFECTIVE DATE

CONDITIONS TO APPROVAL

AMENDMENT 95B
Co-Op Mining Company
Bear Canyon Mine
February 22, 1995

- 1) The reclamation bond for the Bear Canyon Mine must be increased to at least \$502,120 to cover the additional reclamation costs associated with the breakouts.
- 2) Finalized copies of the amendment must be submitted for insertion to the Mining and Reclamation Plan and for distribution to other agencies.

APPENDIXES

A	Violation List	2A-1
B	Title Insurance Policy	2B-1
C	Insurance	2C-1
D	Affidavit of Publication	2D-1
E	Pole Line Easement	2E-1
F	Federal Lease	2F-1
G	Waiver Letters	2G-1

LIST OF TABLES

Table 2-1	Property Ownership	2
Table 2-2	Apparent Completeness Review - Other Permits and Licenses	12

LIST OF PLATES

Plate 2-1	Permit Area
Plate 2-2	Surface Ownership
Plate 2-3	Sub-Surface Ownership
Plates 2-4A thru 2-4E	Surface Facilities
Plate 2-5	Blind Canyon Surface Facilities

DRAFT

APPENDIXES

A	Violation List	2A-1
B	Title Insurance Policy	2B-1
C	Insurance	2C-1
D	Affidavit of Publication	2D-1
E	Pole Line Easement	2E-1
F	Federal Lease	2F-1
G	Waiver Letters	2G-1

LIST OF TABLES

Table 2-1	Property Ownership	2
Table 2-2	Apparent Completeness Review - Other Permits and Licenses	12

LIST OF PLATES

Plate 2-1	Permit Area
Plate 2-2	Surface Ownership
Plate 2-3	Sub-Surface Ownership
Plates 2-4A thru 2-4E	Surface Facilities
Plate 2-5	Blind Canyon Surface Facilities

PERMIT CHANGE TRACKING FORM

DATE RECEIVED	1/19/95	PERMIT NUMBER	A07/005/025
Title of Proposal:	Blind Canyon Portal	PERMIT CHANGE #	958
Description:	Breakand Error	PERMITTEE	Co-Op Mining
		MINE NAME	Blind Canyon

	DATE DUE	DATE DONE	RESULT
<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION		1/23/95	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.			Permit Change Classification
<input type="checkbox"/> Request additional review copies prior to Division/Other Agency review.			<input type="checkbox"/> Significant Permit Revision
<input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.)			<input type="checkbox"/> Permit Amendment
<input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.			<input type="checkbox"/> Incidental Boundary Change

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative _____						
<input type="checkbox"/> Biology _____						
<input checked="" type="checkbox"/> Engineering <u>JESS</u>	2/21					
<input type="checkbox"/> Geology _____						
<input type="checkbox"/> Soils _____						
<input checked="" type="checkbox"/> Hydrology <u>Tom?</u> <u>Tom</u>	2/1					
<input checked="" type="checkbox"/> Bonding <u>JESS</u>	2/23					
<input type="checkbox"/> AVS Check _____						

COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> OSMRE						
<input type="checkbox"/> US Forest Service						
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input type="checkbox"/> UT Environmental Quality						
<input type="checkbox"/> UT Water Resources						
<input type="checkbox"/> UT Water Rights						
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other						

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	<input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	<input type="checkbox"/> Copy of Approved Permit Change to File.
<input type="checkbox"/> TA and CHIA modified as required.	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.
<input type="checkbox"/> Permit Change Approval Form ready for approval.	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.

APPLICATION FOR PERMIT CHANGE

Title of Change: <div style="font-size: 1.5em; font-family: cursive;">Blind Canyon Portal Breakouts</div>	Permit Number: <i>ACT 0151925</i> Mine: <i>Bear Canyon</i> Permittee: <i>Co-op Mining Co</i>
--	--

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

This proposal is for updating the bond calculations, which previously did not include these existing breakouts in Blind Canyon. Proposal also includes 2 additional change in the MRP for descriptive corrections.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O.# _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> 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 K. ... - Res Agent - 1/13/95

Signed - Name - Position - Date

Subscribed and sworn to before me this 13 day of January, 19 95

Leanne Stone

Notary Public



Notary Public
LEANNE STONE
P.O. Box 300
Huntington, Utah 84528
My Commission Expires
June 18, 1997
State of Utah

My Commission Expires: _____, 19 _____
 Annot: STATE OF _____
 COUNTY OF _____

Received by Oil, Gas & Mining

RECEIVED

JAN 19 1995

DIV OF OIL, GAS & MINING

ASSIGNED PERMIT CHANGE NUMBER

2.8 PROPOSED PERFORMANCE BOND

As required by R6143-301-800 and 30 CFR 800.11, the applicant has filed copies of a Performance Bond conforming to 30 CFR 805 and 806 and R6143-301-800. Reclamation costs relevant to this bond are detailed in Section 3.6.7.

2.9 OTHER LICENSES AND PERMITS

Section 2.2.8 lists coal mining permits applied for by the applicant and principal shareholder. The other permits and licenses dealing with land use, air and water quality, water rights and health and safety laws and regulations are listed in Table 2-2.

2.10 LOCATION OF PUBLIC OFFICE FOR FILING APPLICATION

The applicant has simultaneously filed complete copies of this application with the following agencies:

State of Utah
Division of Oil, Gas, and Mining
355 W. No. Temple, 3 Triad Center Suite 350
Salt Lake City, Utah 84111

12 copies

8 copies to be forwarded to DSM, etc.

3.3.2 Portals

Bear Canyon #1 Mine has seven portals:

Bear Canyon Seam - Bear Canyon Side	3
- Blind Canyon Side	2
Hiawatha Seam	<u>2</u>
TOTAL	7

The Bear Canyon Seam (Plate 3-4A) has two fan, one belt, and two intake portals. The first fan portal is in Bear canyon near the upper storage pad and the second is in Blind Canyon. The belt portal pad is shown on Plate 3-6. One intake portal is located in the main portal area, and one in Blind Canyon (Appendix 3-I). ~~Three accidental breakouts also exist in Blind Canyon, making a total of 5 openings in the Bear Canyon Seam on the Blind Canyon side. These will be reclaimed in the same manner as the other portals (Appendix 3-I). Reclamation costs for these breakouts are included in the bond calculations.~~

There are two portals in the Hiawatha Seam (Plate 3-4B): a belt and an intake portal. A new fan portal is planned in the Hiawatha seam when mining conditions warrant.

The Bear Canyon #2 Mine, proposed for the Tank Seam, will have three portals (Plate 3-4C), all located in Bear Canyon. This will create a total of ten portals for the Bear Canyon Mine Permit.

pumping to overcome elevation differences.

In the unlikely event that mining adversely affects a water source, Co-Op will select an alternative after considering all possibilities of each site-specific circumstance. Forest Service approval will be obtained for water effected on Federal Lease U-024316.

Stream Buffer Zones R645-731-600

In 1985 the Division authorized coal mining and reclamation operations closer than 100 ft to Bear Creek. ~~In 1993, the Division authorized the shower house pad area and sediment pond "C" closer than 100 ft to Bear Creek.~~ Authorization was required due to the narrow nature of Bear Canyon and the location of existing Pre-1977 roads and coal storage areas.

Co-Op has attempted to protect Bear Creek in all areas where existing structure and disturbance preclude the establishment 100 ft buffer zones. This has been accomplished by earthen berms along roads adjacent to the stream, culverts in the area of the scale house, and maintained diversion ditches on all tributaries which pass disturbed runoff from haul roads. In addition, all disturbed area runoff other than haul roads and specified BTCA areas (see Appendix 7-K) pass through sediment pond "A" ~~"B"~~ or ~~"C"~~ prior to discharge into Bear Creek. The buffer zone that does exist is properly posted as shown on Plates 2-4. Co-Op is committed in taking all necessary safeguards to ensure the integrity of Bear

Summary of Reclamation Cost Estimate

a.	Seal Portals and Backfill	\$ 35,000.00 \$ 45,500.00
b.	Removal of Structures	\$ 62,025.00
c.	Soil Placement and Ripping	\$ 76,398.32
d.	Channel Restoration	\$ 51,045.00
e.	Revegetation	\$ 44,119.78
f.	Monitor Well Plugging	\$ 114.32
g.	Maintenance and Monitoring of Subsidence, Vegetation and Erosion (10 yr bond liability Period)	\$ 39,143.20
h.	Hydrology Monitoring (10 yr bond liability period)	\$ 29,630.00
i.	Supervision (20.2 weeks)	\$ 14,285.44
j.	Mobilization and Demobilization	\$ 2,500.00 \$ 354,261.06 \$ 364,761.06
	5.1% Reclamation Management Cost	\$ 18,067.31 \$ 18,602.81
	10 pct contingency	\$ 36,476.11 \$ 35,426.11
	(1990 dollars)	\$ 407,754.48 \$ 419,839.98

Escalated Values

1991 -	\$ 412,933	425,172
1992 -	\$ 422,059	434,568
1993 -	\$ 432,779	445,606
1994 -	\$ 441,478	454,563
1995 -	\$ 450,352	463,700

Escalation Factor

1.27%	(actual)
2.21%	(actual)
2.54%	(actual)
2.01%	(est)

1996 -	\$ 459,404	473,020
1997 -	\$ 468,638	482,528
1998 -	\$ 478,057	492,227
1999 -	\$ 487,666	502,120

Bond will be posted in accordance with R645-301-820.

DRAFT

Reclamation Costs

a. Seal and Backfill Portals

AMR Costs-\$3,500/seal including
backfill x 10 seals

~~\$ 35,000.00~~
~~\$ 45,500.00~~

b. Removal Structures

All estimates with 10 digit numbers are from 1990 Means Site Work cost Data. Utah adjustment factor = 0.923. Most of the steel and equipment will be salvaged for scrap or reuse. M&P Enterprises in Huntington, Utah will pick up and pay \$40.00/ton for scrap iron & equipment if placed in 30 cu yd (8ft wide x 20 ft long x 5 ft high) dumpsters or loaded with crane on their trucks.

Sales-Receiving-Scale House Complex

020-604-0700 (Wood Building, includes disposal)

Volume = (40 ft)(80 ft)(20 ft) = 64,000 cu ft

Cost = (0.923)(0.16/cu ft)(64,000 cu ft) = \$9,451.52

Time = 64,000 cu ft/(14,800 cu ft) = 4.32 days

Cost Subtotal \$9,451.52

Time Subtotal 4.32 days

Shower House

020-604-0700 (Wood Portion, includes disposal)

Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft

Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62

Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

020-604-0650 (Masonry Portion, includes disposal)

Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft

Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62

Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

Cost Subtotal \$10,869.24

Time Subtotal 4.98 days

Shop

020-604-0500 (Steel Building, includes disposal)

Volume = (40 ft)(93 ft)(18 ft) = 66,960 cu ft

Cost = (0.923)(0.16/cu ft)(66,960 cu ft) = \$9,888.65

Time = 66,960 cu ft/(14,800 cu ft/day) = 4.52 days

Cost Subtotal \$9,888.65

Time Subtotal 4.52 days

BLIND CANYON INTAKE AND FAN PORTALS

In order to facilitate adequate ventilation across the working face as mining advances from the existing intake portal and to provide an alternative escape way, Co-op Mining requested approval for the Blind Canyon Ventilation Portal as shown on Plate 3-4A. In addition to the main fan portal, a small breakthrough exists 80 ft to the north. This opening will be used as an intake portal. ~~Three accidental breakouts have also been observed in the near Canyon Seam, two South of the main fan portal and one North of the intake portal.~~

Because of the proximity of the portals, the surface configuration and operations involved in their creation are similar. The portals are implemented from within the mine by utilization of standard mining methodology and implementation of a continuous miner. The portals simply extended to an exposed coal outcrop in the head of Blind Canyon. The outcrop originally had a 4 ft overhang made up of an overlying sandstone seam approx 12 ft thick. The coal being of a more erosive nature than the sandstone is incised into the slope. The toe of the coal outcrop is composed of broken ledge rock and lies on approximately a 70 pct slope. The nature and location of the outcrop precludes surface access by any means other than foot. Due to this, they are suitable for an escapeway in the event of a catastrophic closure of the existing portal area and is strongly supported by Co-op's safety personnel as well as M.S.H.A.

DRAFT

~~The three accidental breakouts are the result of outcrop material caving into the entries adjacent to the portals.~~

The portals are supported by roof bolts which extend into the sandstone rock above the coal. Where necessary, bolted matting will be used to minimize sluffing of rock. The intake portal will be closed with a cement stopping for later use. The stopping will prevent access of people as well as large animals which could theoretically utilize the portal for denning. The fan portal will contain an escapeway door on the fan motor housing which will only allow access from within the mine. A "No Trespassing" sign will be posted outside the portal. ~~Accidental breakouts large enough to allow entrance into the mine will be fenced and stoppings built to prevent access into the mine.~~

Surface disturbance is minimal due to the nature of a continuous mining machine pulling the material into the mine. To meet MSHA requirements, a small pad, approximately 30 ft. by 60 ft., will be used in front of the portal for the fan structure. This will require the movement of approximately 240 cu. yds. of material, which will be placed in a dry area inside the mine. Upon reclamation, the material pulled into the mine will be replaced (see Figure 3I-1). Bonding includes reclamation of the portal. No vegetation exists on the coal outcrop which will be impacted. Coal debris which crumbled and fell down the slope during portal construction has been retrieved by hand to whatever degree is reasonable. It is important to note that due to the exposed nature of the coal seam, there is eroded coal presently on the slope.



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)

January 23, 1995

Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, UT 84528

Re: Initial Review Response - Accepted, Blind Canyon Portal Breakouts, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-95B, Folder #2, Emery County, Utah

Dear Mr. Owen:

The Division is in receipt of the proposed amendment, Blind Canyon Portal Breakouts, and has determined this application complete. This amendment has been assigned the permit change number, ACT/015/025-95B .

Completion of this review is anticipated by February 21, 1995, at which time you will be notified of amendment status.

If you have any questions or concerns, please feel free to call.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Pamela Grubaugh-Littig'.

Pamela Grubaugh-Littig
Permit Coordinator

ALTI

cc: Daron Haddock

CO-OP MINING COMPANY

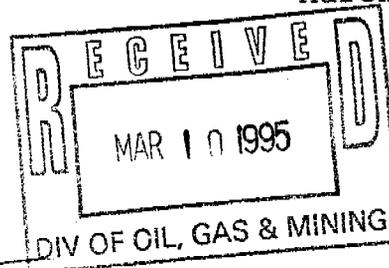
P.O. Box 1245
Huntington, Utah 84528



(801) 381-5238
Coal Sales (801) 381-5777

March 8, 1995

Pamela Grubaugh-Littig
Utah Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Mrs. Grubaugh-Littig,

Re: Blind Canyon Portal - Correction of Breakout Errors, Bear Canyon Mine, ACT/015/025-95B, Emery County, Utah

Enclosed are four finalized copies of the above referenced proposal, which were approved per Division letter dated February 23, 1995. The fourth copy is for Mark Page at the Division of Water Rights. The Division of Water Rights has been given an updated copy of the Bear Canyon Mine Reclamation Plan.

If you have any questions, please call Charles Reynolds at (801) 687-2450.

Thank You,

Wendell Owen,
Resident Agent

Enclosure(s)
CR



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)

March 10, 1995

Thomas E. Ehmett, Acting Director
Office of Surface Mining
Reclamation and Enforcement
505 Marquette N.W., Ste. 1200
Albuquerque, NM 87102

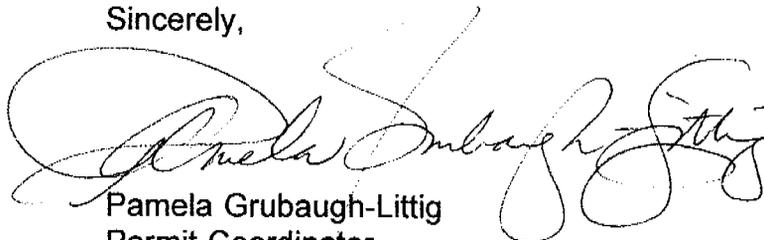
Re: Blind Canyon Portal, Correction of Breakout Errors, ACT/015/025-95B,
Availability of Records, ACT/015/025-95D, Bear Canyon Mine, Co-Op Mining
Company, Folder #2, Emery County, Utah

Dear Mr. Ehmett:

Enclosed please find approved permit changes for the Bear Canyon Mine. Blind Canyon Portal, Correction of Breakout Errors was approved on February 23, 1995 (pages 2-iii, 2-11, 3-2, 3-43, 3-86, 3-87, 3I-2, 3I-3, and Plate 2-5). Availability of Records was approved on March 1, 1995 ((pages 2-ii and 2-15).

If you have any questions, please call me.

Sincerely,



Pamela Grubaugh-Littig
Permit Coordinator

Enclosure

cc: Price Field Office
Robert Morgan, State Engineer



RECEIVED

AUG 18 1993

TABLE OF CONTENTS

DIVISION OF OIL, GAS & MINING

2 OWNERSHIP AND CONTROL 1

2.1 SCOPE 1

2.2 IDENTIFICATION OF INTEREST (R645-301-112) 1

2.2.1 Owners of Record of Surface Area and Coal Rights 1

2.2.2 Holder of Leasehold Interest in Surface Area and Coal Rights 3

2.2.3 Purchase of Record Under a Real Estate Contract for Surface Area Coal 3

2.2.4 Operator, if Different from Applicant 3

2.2.5 Resident Agent of the Applicant 4

2.2.6 Business Designation (Corporation) 4

2.2.7 Current, Pending or Previous Coal Mining Permits in the U.S. Held By Applicant and Principal Shareholder Subsequent to 1970 4

2.2.8 Owners of Record of Surface and Sub-surface Areas Contiguous to the Proposed Permit Area 4

2.2.9 Mine Name and M.S.H.A. Identification 5

2.3 COMPLIANCE INFORMATION (R645-301-113) 5

2.4 RIGHT OF ENTRY AND OPERATION INFORMATION (R614-301-114) 5

2.4.1 Document Description 6

2.4.2 Map Showing Legal Boundaries 6

2.5 AREA SUITABILITY FOR SURFACE AND UNDERGROUND DISTURBANCE 6

2.5.1 Waiver of Owners of ~~Neighboring~~ Dwellings 9

2.6 PERMIT TERM INFORMATION - ANTICIPATED FOR EACH PHASE 9

2.6.1 Starting Date 9

2.6.2 Termination Dates 9

2.6.3 Numbers or Surface Acres Affected 9

2.6.4 Horizontal Extent of Underground Working for Each Phase 10

2.6.5 Vertical Extent for Each Phase 10

2.7 PERSONAL INJURY AND PROPERTY DAMAGE INFORMATION 10

2.8 PROPOSED PERFORMANCE BOND 11

2.9 OTHER LICENSES AND PERMITS 11

2.10 LOCATION OF PUBLIC OFFICE FOR FILING APPLICATION 11

2.11 NEWSPAPER ADVERTISEMENT/PROOF OF PUBLICATION 15

SUPERSEDED
EFFECTIVE:

APR 4 1995

UTAH DIVISION OIL, GAS AND MINING

INCORPORATED
EFFECTIVE:
AUG 23 1993
UTAH DIVISION OIL, GAS AND MINING



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)

March 10, 1995

Thomas E. Ehmett, Acting Director
Office of Surface Mining
Reclamation and Enforcement
505 Marquette N.W., Ste. 1200
Albuquerque, NM 87102

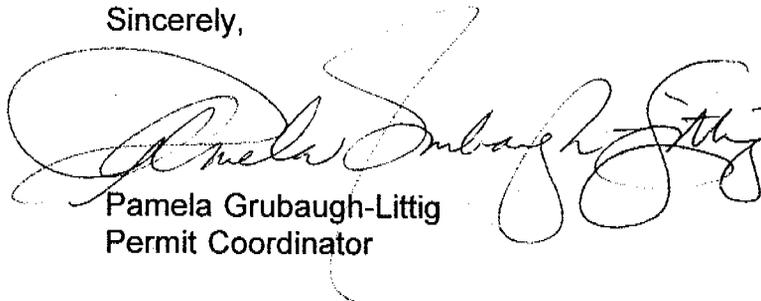
Re: Blind Canyon Portal, Correction of Breakout Errors, ACT/015/025-95B,
Availability of Records, ACT/015/025-95D, Bear Canyon Mine, Co-Op Mining
Company, Folder #2, Emery County, Utah

Dear Mr. Ehmett:

Enclosed please find approved permit changes for the Bear Canyon Mine. Blind Canyon Portal, Correction of Breakout Errors was approved on February 23, 1995 (pages 2-iii, 2-11, 3-2, 3-43, 3-86, 3-87, 3I-2, 3I-3, and Plate 2-5). Availability of Records was approved on March 1, 1995 ((pages 2-ii and 2-15).

If you have any questions, please call me.

Sincerely,



Pamela Grubaugh-Littig
Permit Coordinator

Enclosure

cc: Price Field Office
Robert Morgan, State Engineer



CO-OP MINING COMPANY

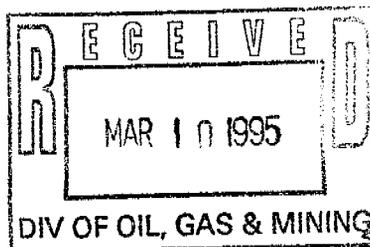
P.O. Box 1245
Huntington, Utah 84528



(801) 381-5238
Coal Sales (801) 381-5777

March 9, 1995

Pamela Grubaugh-Littig
Permit Coordinator
Utah Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Ms. Grubaugh-Littig,

Re: Availability of Records, Bear Canyon Mine, ACT/015/025-95D,
Emery County, Utah

Enclosed are four finalized copies of the above referenced proposal, which were approved per Division letter dated March 1, 1995. The fourth copy is for Mark Page at the Division of Water Rights.

If you have any questions, please call Charles Reynolds at (801) 687-2450.

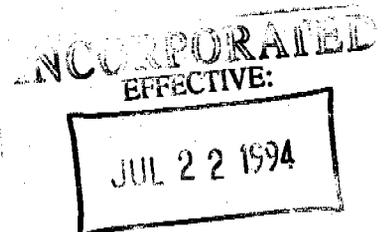
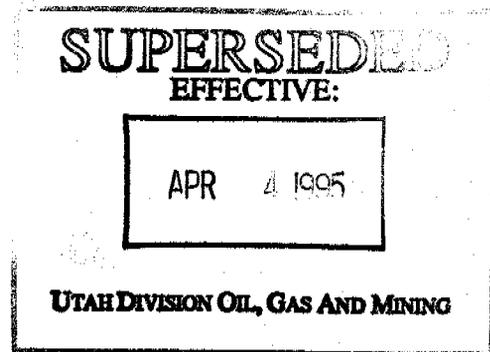
Thank You,

Wendell Owen,
Resident Agent

Enclosure(s)
CR

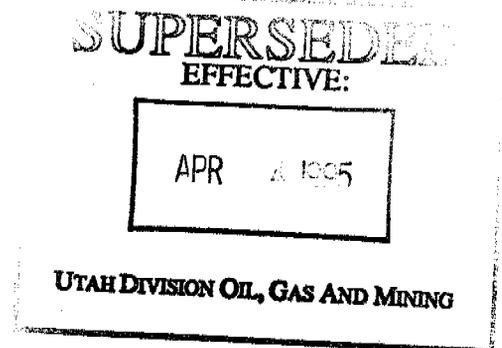
2.11 NEWSPAPER ADVERTISEMENT/PROOF OF PUBLICATION

As required with the filing of this application with Division of Oil, Gas, and Mining, the applicant has filed an advertisement with the Emery County Progress and Sun Advocate, local newspapers with circulation in Emery & Carbon countries sufficient to cover the locality of the applicant's operations. This advertisement follows the format required under 30 CFR 786.11 9aO and R645-300-121. A copy of the publication is attached in Appendix 2-D. Proof of publication can be found with a copy of the add, in Appendix 2-D. Proof of Publication for the Tank Seam Permit Amendment is also shown in Appendix 2-D.



2.11 NEWSPAPER ADVERTISEMENT/PROOF OF PUBLICATION

As required with the filing of this application with Division of Oil, Gas, and Mining, the applicant has filed an advertisement with the Emery County Progress and Sun Advocate, local newspapers with circulation in Emery & Carbon countries sufficient to cover the locality of the applicant's operations. This advertisement follows the format required under 30 CFR 786.11 9aO and R614-300-121. A copy of the publication is attached in Appendix 2-D. Proof of publication can be found with a copy of the add, in Appendix 2-D.



The portals are supported by roof bolts which extend into the sandstone rock above the coal. Where necessary, bolted matting will be used to minimize sluffing of rock. The intake portal will be closed with a cement stopping for later use. The stopping will prevent access of people as well as large animals which could theoretically utilize the portal for denning. The fan portal will contain an escapeway door on the fan motor housing which will only allow access from within the mine. A "No Trespassing" sign will be posted outside the portal.

Surface disturbance is minimal due to the nature of a continuous mining machine pulling the material into the mine. To meet MSHA requirements, a small pad, approximately 30 ft. by 60 ft., will be used in front of the portal for the fan structure. This will require the movement of approximately 240 cu. yds. of material, which will be placed in a dry area inside the mine. Upon reclamation, the material pulled into the mine will be replaced (see Figure 3I-1). Bonding includes reclamation of the portal. No vegetation exists on the coal outcrop which will be impacted. Coal debris which crumbled and fell down the slope during portal construction has been retrieved by hand to whatever degree is reasonable. It is important to note that due to the exposed nature of the coal seam, there is eroded coal presently on the slope.

SUPERSEDED

EFFECTIVE:

APR 2 1995

AMENDMENT TO UTAH DIVISION OIL, GAS AND MINING

APPROVED Mining & Reclamation Plan
Approved, Division of Oil, Gas & Mining

by JK-9203 date 12/23/92

BLIND CANYON INTAKE AND FAN PORTALS

In order to facilitate adequate ventilation across the working face as mining advances from the existing intake portal and to provide an alternative escape way, Co-op Mining requested approval for the Blind Canyon Ventilation Portal as shown on Plate 3-4A. In addition to the main fan portal, a small breakthrough exists 80 ft to the north. This opening will be used as an intake portal.

Because of the proximity of the portals, the surface configuration and operations involved in their creation are similar. The portals are implemented from within the mine by utilization of standard mining methodology and implementation of a continuous miner. The portals simply extended to an exposed coal outcrop in the head of Blind Canyon. The outcrop originally had a 4 ft overhang made up of an overlying sandstone seam approx 12 ft thick. The coal being of a more erosive nature than the sandstone is incised into the slope. The toe of the coal outcrop is composed of broken ledge rock and lies on approximately a 70 pct slope. The nature and location of the outcrop precludes surface ~~EFFECTIVE~~ by any means other than foot. Due to this, they are suitable for an escapeway in the event of a catastrophic closure of the existing portal area and is strongly supported by Co-op's safety personnel as well as M.S.H.A.

SUPERSEDED
APR 4 1995
UTAH DIVISION OIL, GAS AND MINING

AMENDMENT TO

APPROVED
Approved, DIVISION

By JK 926 date 11/19/92

Summary of Reclamation Cost Estimate

a.	Seal Portals and Backfill	\$ 35,000.00
b.	Removal of Structures	\$ 62,025.00
c.	Soil Placement and Ripping	\$ 76,398.32
d.	Channel Restoration	\$ 51,045.00
e.	Revegetation	\$ 44,119.78
f.	Monitor Well Plugging	\$ 114.32
g.	Maintenance and Monitoring of Subsidence, Vegetation and Erosion (10 yr bond liability Period)	\$ 39,143.20
h.	Hydrology Monitoring (10 yr bond liability period)	\$ 29,630.00
i.	Supervision (20.2 weeks)	\$ 14,285.44
j.	Mobilization and Demobilization	\$ 2,500.00
		<u>\$354,261.06</u>
	5.1% Reclamation Management Cost	\$ 18,067.31
	10 pct contingency	<u>\$ 35,426.11</u>
	(1990 dollars)	\$407,754.48

Escalated Values

1991 -	\$412,933
1992 -	\$422,059
1993 -	\$432,779
1994 -	\$441,478
1995 -	\$450,352
1996 -	\$459,404
1997 -	\$468,638
1998 -	\$478,057
1999 -	\$487,666

Escalation Factor

1.27%	(actual)
2.21%	(actual)
2.54%	(actual)
2.01%	(est)

SUPERSEDED

EFFECTIVE:

APR 4 1995

Bond will be posted in accordance with R645-301-820.

UTAH DIVISION OIL, GAS AND MINING

INCORPORATED
EFFECTIVE:
JUN 1 0 1994
UTAH DIVISION OIL, GAS AND MINING

Reclamation Costs

a. Seal and Backfill Portals

AMR Costs-\$3,500/seal including backfill x 10 seals \$ 35,000.00

b. Removal Structures

All estimates with 10 digit numbers are from 1990 Means Site Work cost Data. Utah adjustment factor = 0.923. Most of the steel and equipment will be salvaged for scrap or reuse. M&P Enterprises in Huntington, Utah will pick up and pay \$40.00/ton for scrap iron & equipment if placed in 30 cu yd (8ft wide x 20 ft long x 5 ft high) dumpsters or loaded with crane on their trucks.

Sales-Receiving-Scale House Complex

020-604-0700 (Wood Building, includes disposal)
Volume = (40 ft)(80 ft)(20 ft) = 64,000 cu ft
Cost = (0.923)(0.16/cu ft)(64,000 cu ft) = \$9,451.52
Time = 64,000 cu ft/(14,800 cu ft) = 4.32 days

Cost Subtotal \$9,451.52
Time Subtotal 4.32 days

Shower House

020-604-0700 (Wood Portion, includes disposal)
Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft
Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62
Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

020-604-0650 (Masonry Portion, includes disposal)
Volume = (92 ft)(50 ft)(8 ft) = 36,800 cu ft
Cost = (0.923)(0.16/cu ft)(36,800 cu ft) = \$5,434.62
Time = 36,800 cu ft/(14,800 cu ft/day) = 2.49 days

Cost Subtotal \$10,869.24
Time Subtotal 4.98 days

SUPERSEDED
EFFECTIVE:
APR 1 1995

Shop

020-604-0500 (Steel Building, includes disposal)
Volume = (40 ft)(93 ft)(18 ft) = 66,960 cu ft
Cost = (0.923)(0.16/cu ft)(66,960 cu ft) = \$9,888.65
Time = 66,960 cu ft/(14,800 cu ft/day) = 4.52 days

Cost Subtotal \$9,888.65
Time Subtotal 4.52 days

JUL 22 1994

pumping to overcome elevation differences.

In the unlikely event that mining adversely affects a water source, Co-Op will select an alternative after considering all possibilities of each site-specific circumstance. Forest Service approval will be obtained for water effected on Federal Lease U-024316.

Stream Buffer Zones R645-731-600

In 1985 the Division authorized coal mining and reclamation operations closer than 100 ft to Bear Creek. Authorization was required due to the narrow nature of Bear Canyon and the location of existing Pre-1977 roads and coal storage areas.

Co-Op has attempted to protect Bear Creek in all areas where existing structure and disturbance preclude the establishment 100 ft buffer zones. This has been accomplished by earthen berms along roads adjacent to the stream, culverts in the area of the scale house, and maintained diversion ditches on all tributaries which pass disturbed runoff from haul roads. In addition, all disturbed area runoff other than haul roads and specified BTCA areas (see Appendix 7-K) pass through sediment pond "A" or "B" prior to discharge into Bear Creek. The buffer zone that does exist is properly posted as shown on Plates 2-4.

Co-Op is committed in taking all necessary safeguards to ensure the integrity of Bear

AMENDMENT TO

B.C. **APPROVED** Mining & Reclamation Plan ³⁻⁴³
Approved, Division of Oil, Gas & Mining

by JK 92F date 7-7-92

SUPERSEDED
EFFECTIVE

APR 4 1995

4/92

UTAH DIVISION OIL, GAS AND MINING

3.3.2 Portals

Bear Canyon #1 Mine has seven portals:

Bear Canyon Seam - Bear Canyon Side	3
- Blind Canyon Side	2
Hiawatha Seam	<u>2</u>
TOTAL	7

The Bear Canyon Seam (Plate 3-4A) has two fan, one belt, and two intake portals. The first fan portal is in Bear canyon near the upper storage pad and the second is in Blind Canyon. The belt portal pad is shown on Plate 3-6. One intake portal is located in the main portal area, and one in Blind Canyon (Appendix 3-I).

There are two portals in the Hiawatha Seam (Plate 3-4B): a belt and an intake portal. A new fan portal is planned in the Hiawatha seam when mining conditions warrant.

The Bear Canyon #2 Mine, proposed for the Tank Seam, will have three portals (Plate 3-4C), all located in Bear Canyon. This will create a total of ten portals for the Bear Canyon Mine Permit.

NO LONGER IN EFFECTIVE:
SUPERSEDED
EFFECTIVE:
APR 1995

2.8 PROPOSED PERFORMANCE BOND

As required by R614-301-800 and 30 CFR 800.11, the applicant has filed copies of a Performance Bond conforming to 30 CFR 805 and 806 and R614-301-800. Reclamation costs relevant to this bond are detailed in Section 3.6.7.

2.9 OTHER LICENSES AND PERMITS

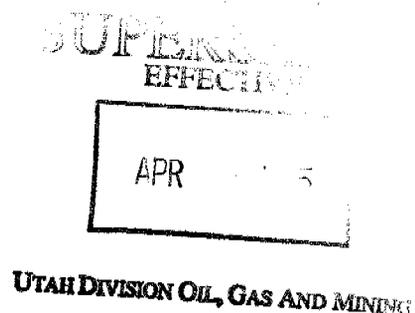
Section 2.2.8 lists coal mining permits applied for by the applicant and principal shareholder. The other permits and licenses dealing with land use, air and water quality, water rights and health and safety laws and regulations are listed in Table 2-2.

2.10 LOCATION OF PUBLIC OFFICE FOR FILING APPLICATION

The applicant has simultaneously filed complete copies of this application with the following agencies:

State of Utah 12 copies
Division of Oil, Gas, and Mining
355 W. No. Temple, 3 Triad Center Suite 350
Salt Lake City, Utah 84111

8 copies to be forwarded to OSM, etc.



APPENDIXES

A	Violation List	2A-1
B	Title Insurance Policy	2B-1
C	Insurance	2C-1
D	Affidavit of Publication	2D-1
E	Pole Line Easement	2E-1
F	Federal Lease	2F-1
G	Waiver Letters	2G-1

LIST OF TABLES

Table 2-1	Property Ownership	2
Table 2-2	Apparent Completeness Review - Other Permits and Licenses	12

LIST OF PLATES

Plate 2-1	Permit Area
Plate 2-2	Surface Ownership
Plate 2-3	Sub-Surface Ownership
Plates 2-4A thru 2-4E	Surface Facilities

INCORPORATED
EFFECTIVE:
JUL 22 1994

SUPERSEDED
EFFECTIVE:

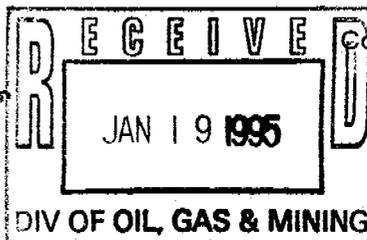
APR 1995

RECEIVED
AUG 19 1994
UTAH DIVISION OF OIL, GAS & MINES

UTAH DIVISION OIL, GAS AND MINES

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



(801) 381-5238
Coal Sales (801) 381-5777

January 13, 1995

Pamela Grubaugh-Littig
Utah Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Ms. Grubaugh-Littig,

Re: Blind Canyon Portal Breakouts, Bear Canyon Mine, ACT/015/025, #
Emery County, Utah *95B #2*

Enclosed is a proposal to correct three errors and inconsistencies in the Bear Canyon Mine Reclamation Plan which have recently been observed by Co-Op Mining Company.

The first change revises references to "R614" regulations to read "R645". The second change clarifies the "Stream Buffer Zone" description to include the Shower House pad area. The third change updates the reclamation bond calculations to include the additional Blind Canyon Portal Breakouts, which were omitted from the Bond Calculations approved in proposal 93J.

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

Thank You,

Wendell Owen,
Resident Agent

Enclosure(s)
CR