

PERMIT CHANGE TRACKING FORM

DATE RECEIVED	7/19/93	PERMIT NUMBER	ACT/019/025
Title of Proposal:	Hurst Road Designation + Surf Fac. update	PERMIT CHANGE #	93E
Description:		PERMITTEE	CO-OP Mining
		MINE NAME	Bear Canyon Mine

<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	
			<input type="checkbox"/> ACCEPTED	<input type="checkbox"/> REJECTED
			Permit Change Classification	
			<input type="checkbox"/> Significant Permit Revision	
			<input checked="" 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 Susan FYI _____						
<input checked="" type="checkbox"/> Engineering Jesse _____	8/11/0					
<input type="checkbox"/> Geology _____						
<input type="checkbox"/> Soils _____						
<input checked="" type="checkbox"/> Hydrology Hughw _____	8/19					
<input type="checkbox"/> Bonding _____						
<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:

Hoist Road redesignation and Surface Facilities Update

Permit Number: ACT 0151025

Mine: Bear Canyon

Permittee: Co-Op Mining Co.

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

Change is being proposed to eliminate unnecessary maintenance. Also correcting surface facilities + disturbed area.

- | | | |
|---|--|---|
| <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 checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Change in the size of the Disturbed Area? <u>0.002</u> acres <input checked="" 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 checked="" type="checkbox"/> Yes | <input 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 checked="" 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 type="checkbox"/> Yes | <input checked="" 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.

Charles Reynolds - Engineer
Signed - Name - Position - Date

Subscribed and sworn to before me this 17 day of July, 19 93.

[Signature]
Notary Public

My Commission Expires: 2/6, 19 94
Attest: STATE OF _____
COUNTY OF _____



L.A. MILLER
Notary Public
STATE OF UTAH
My Commission Expires
February 6, 1994
3140 S. Main, S.C. UT 84143

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER

Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change:
Hoist Road Redesignation & Surface Facilities Update

Permit Number: *ACT 0151025*

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
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 2-4C; Surface Facilities Map corrected;
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Hoist Road renamed, waterline added to disturbed area
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-vi; Table of Contents; Hoist Road renamed
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-2; Added description of belt Portal Pad
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-1; Reference to Hoist Rd. Renamed, Shovelhouse Rd. Added
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-7; Road reference to Plate 3-6 deleted
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3D-4; Number of Roads changed; Hoist Rd. deleted
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3D-7; Description of Hoist Road deleted
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-2C; Waterline disturbed Area boundary expanded
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-5B; Reference to Hoist Road deleted
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-6; Hoist Road renamed to belt Portal Pad
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1C; Hoist Road renamed, waterline added to disturbed area
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-5; Waterline added to the disturbed area
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-7; " " " " " " " "
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-1; " " " " " " " "
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-5C; " " " " " " " "
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
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<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

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

7.2.8.6 Hoist Road Catch Basin

Runoff from the Hoist Road area is collected and totally contained in a catch basin at the base of the road slope (See Plates 2-4 and 3-6). Calculation factors for catch basin sizing are listed below.

<u>Factor</u>	<u>Value</u>
Area	3,765 ft ²
Soil Type	C
Min Infiltration Rate	0.05 to 0.15 in./hr use 0.10 in./hr, see p 7F-7
6 hr-10 yr Storm Rainfall Data Base	1.38 in. (0.23 in./hr) Hiawatha Data by E. Arlo Richardson. See App 7-G.

<u>Total Accumulation</u>	245 ft ³
---------------------------	---------------------

$(3,765 \text{ ft}^2 \times (0.23 \text{ in./hr} - 0.10 \text{ in./hr}) \times 1 \text{ ft}/12 \text{ in.} \times 6 \text{ hr}$

<u>Catch Basin Size</u>	442 ft ³
-------------------------	---------------------

Area	354 ft ²
------	---------------------

Av Depth	1.25 ft
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Berm Height	1.5 ft min
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Excess Volume	198 ft ³
---------------	---------------------

Note: The hoist is a tubular structure and will not appreciably effect the overall storage capacity of the catch basin and will not jeopardize the structure's effectiveness during the design event.

B.C.

7-121

11/20/92

92H

2/9/93

PERMIT TRACKING FORM

Type of Proposal:

Enforcement Action Involved:

MRP AMENDMENT
 MRP REVISION _____
 EXPLORATION _____
 I. B. C. _____

TDN/L #X _____, # _____ of _____
 NOV #N _____, # _____ of _____
 CO #C _____, # _____ of _____
 (Incidental Boundary Change)

has

Title of Proposal:

Hoist Road Designation - Surf Facilities Update

Company Name:

Co-Op, Bear Canyon Mine

File #: (INA / PRO / ACT / CEP)

015 1 025 - 93 F # New Acres: _____

Discipline	Priority	Reviewers	Due	Completed	Tech Memo Drafted		
					Yes	No	
HYDROLOGY		<i>Hugh</i>	<i>8/19</i>			()	()
BIOLOGY		<i>Andru - FW</i>				()	()
ENGINEER		<i>Jas</i>	<i>8/16</i>	<i>8/13</i>		<input checked="" type="checkbox"/>	()
SOILS						()	()
GEOLOGY		<i>Jch</i>		<i>9/1</i>		()	<input checked="" type="checkbox"/>

Dates:

- | | | | |
|--|---|--|--|
| (1) Initial Plan Received
Tech Review Due
Tech Review Complete
DOGM Response Sent
Operator Response Due | <i>7/19</i>

_____ | (4) Operator Resubmission
Tech Review Due
Tech Review Complete
DOGM Response Sent
Operator Response Due | _____

_____ |
| (2) Operator Response Rc'd
Tech Review Due
Tech Review Complete
DOGM Response Sent
Operator Response Due | _____

_____ | (5) Operator Response Rcd
Tech Review Due
Tech Review Complete
DOGM Response Sent
Operator Response Due | _____

_____ |
| (3) Operator Response Rc'd
Tech Review Due
Tech Review Complete
DOGM Response Sent
Operator Response Due | _____

_____ | (6) Conditional Approval
Stipulations Due
Stipulations Received
DOGM Response Sent
Final Approval
Filed in MRP
Author
Transmitted | _____

_____ |

Other Agency Involvement:

Agency	Transmittal Date	Sign-off	Comments:
() OSMRE	_____	_____	_____
() USFS	_____	_____	_____
() BLM	_____	_____	_____
() USFWS	_____	_____	_____
() NPS	_____	_____	_____
() HEALTH	_____	_____	_____
() UDWR	_____	_____	_____
() H ² O RGTS	_____	_____	_____
() HISTORY	_____	_____	_____



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)

August 13, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jess Kelley, Reclamation Engineer *JK*

RE: Amendment to Redesignate Hoist Road as 'Belt Portal Pad' and to Update Surface Facilities Maps, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93E, Folder #2, Emery County, Utah

SYNOPSIS

The Division received this proposed amendment on July 19, 1993. The amendment proposes to make three changes in the permit. First, the Hoist Road is to lose its status as a primary road and be redesignated as the "Belt Portal Pad." Second, the discharge line below the Portal Access Road is to be included in the disturbed area. Third, several small surface structures are to be included on the appropriate maps.

ANALYSIS

The permittee feels, and this writer agrees, that the Hoist Road does not require designation as a primary road and that no good purpose is served by such designation. This road, which is actually part of a belt portal pad structure, is less than 50 feet long, is used only infrequently for maintenance of a conveyor, and is not used for hauling coal or spoil. The Hoist Road is now shown as the Belt Portal Pad on Plates 2-4C and 7-1C and the details of its design are shown on Plate 3-6. The road has also been deleted from Plate 3-5B and all references to it have been removed from the text.

The discharge line is simply an unanchored pipe which crosses a strip of very steep, largely undisturbed ground between the portal access road and the primary tippie access road. Its addition to the disturbed area will add only about 0.002 acres. Since the area upon which the discharge line lies will not require regrading, and since removal of the line is already included in the overall site reclamation cost estimate, this addition will not affect the bond. The area upon which the discharge line lies has been added to the disturbed area on Plates 2-4C, 3-2C, 7-1C, 7-5, 7-7, 8-1, and 8-5C.



Page 2
ACT/015/025-93E
August 13, 1993

During an inspection in early July, 1993, Division Biologist Susan White discovered that two retaining walls and a belt tunnel escapeway hatch on the coal storage pad, a conveyor belt tower, a prelaw powder house, and the mobile loadout attendant trailer were not found on the maps. These structures have been added to the Surface Facilities Map, Plate 2-4C.

RECOMMENDATIONS

It is recommended that this amendment be approved and included as part of the approved plan.

BCAM93E.MEM



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 31, 1993

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

Dear Mr. Owen:

Re: Initial Review Response--Accepted, Co-Op Mining Company, Bear Canyon, ACT/015/025-93E, Folder #2, Carbon County, Utah

The Division is in receipt of the proposed amendment, Hoist Road Designation and Surface Facilities Update, and has determined the application complete. This amendment has been assigned the permit change number ACT/015/021-93E.

We anticipate completion of this review by August 30, 1993, at which time you will be notified of the amendment status.

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

Jas - To Jess 8/6
Susan
Henry

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

ALTI



CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



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

RECEIVED

JUL 19 1993

DIVISION OF
OIL GAS & MINING

July 15, 1993

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

93E

Ms. Grubaugh-Littig,

Re: Hoist Rd. Designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93F, Emery County, Utah

93E

Enclosed are three copies of a proposal which is being submitted as a result of a recent inspection by Susan White. The proposal addresses three issues. The first is involves the existing hoist road. Co-Op has feels it is not necessary to maintain this area as a road, and due to the small length of the area, Co-Op wishes to designated the area from the portal access road to the hoist as the "belt portal pad". The proposal also amends the disturbed area boundary to include the discharge line below the portal access road. The change in the disturbed area (0.002 acres) is incidental and bonding is not affected. The third issue addressed in the proposal is an update to the Surface Facilities. During the inspection, it was noted that two retaining walls on the coal storage pad, a belt tunnel escapeway hatch, a conveyor belt tower, a pre-law powder house structure, and the loadout attendant mobile trailer were not shown on the Plate 2-4C. These structures have been added in this proposal.

Pages and Plates have been marked DRAFT to distinguish them from previously approved pages. Upon approval, finalized copies will be sent to the Division. If you have any questions, please call Charles Reynolds at (801) 381-2450.

Thank You,

Wendell Owen,
Resident Agent

WJO/cr
Enclosure(s)

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change: *Horse Road Redesignation & Surface Facilities Update*

Permit Number: *ACT 0151025*
 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
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 2-4C; <i>Surface Facilities Map corrected;</i>
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Horse Road renamed, waterline added to disturbed area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-VI Table of Contents; <i>Horse Road renamed</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-2; <i>Added description of belt Portal Pad</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-1; <i>Reference to Horse Rd. Renamed, Stone House Rd. del</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3-7; <i>Road reference to Plate 3-6 deleted</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3D-4; <i>Number of Roads changed; Horse Rd. deleted</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	3D-7; <i>Description of Horse Road deleted</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-2C; <i>Waterline disturbed Area boundary explain</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-5B; <i>Reference to Horse Road deleted</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-6; <i>Horse Road renamed to belt Portal Pad</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1C; <i>Horse Road renamed, waterline Added to disturbed Area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-5; <i>Waterline added to the disturbed Area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-7; <i>" " " " " "</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-1; <i>" " " " " "</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 8-5C; <i>" " " " " "</i>
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
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<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

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

RECEIVED

JUL 19 1993

APPENDIXES

DIVISION OF OIL GAS & MINING

A	Existing Structures	3A-1
B	Culinary Water System	3B-1
C	Subsidence Control and Monitoring	3C-1
D	Mine Roads	3D-1
E	Toxic Materials & Handling	3E-1
F	Slope Stability Analysis	3F-1
G	Interim Reclamation Plan	3G-1
H	Deleted	
I	Blind Canyon Intake and Fan Portals	3I-1
J	Shower House Waste Disposal System	3J-1
K	Sediment Pond Material	3K-1
L	Cut and Fill Calculations	3L-1

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Plate 3-2	Post Mining Topography	Plate 3-5A & 3-5B	Road Details
Plate 3-3	Subsidence Map	Plate 3-6	Hoist Road Belt Portal Pad Details
Plate 3-4A	Bear Canyon No.1 Mine (Blind Canyon Seam)		

DRAFT

3.3.2 Portals

Bear Canyon Mine has ten 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.

3.3.3 Surface Buildings and Structures

Surface structures consist of; shops, parts warehouse, bath house; truck scales, weighman office, mine offices; caretaker dwelling, mine run coal receiver bin, crushing and sizing structure, truck load out bins, stockpile towers, and conveyors to carry coal to storage and load out sites, etc.. A complete list of surface buildings and structures is in Appendix 3-A and shown on Plate 2-4.

3.3.9 Storage, Waste and Refuse Areas

Waste disposal plans, removal, handling and storage are discussed in Section 3.5.8. All waste will be disposed of in a manner in line with R645-301-513.300 and MSHA regulations.

3.3.10 Transportation, Roads and Parking Areas

There are ~~sevensix~~ six primary roads in the permit area: Bear Canyon Haul Road, Portal Access Road, Shower House Road, road to Sediment Pond A, Tipple Access Road, ~~and the~~ Shop Road ~~and the Heist Road~~. All roads are shown on Plates 2-4. Road profiles and typical cross sections are shown on Plates 3-5. A description of all roads is included in Appendix 3-D, along with maintenance procedures.

The mine area is approached on the Bear Canyon Haul Road. The mine portal is reached on the Portal Access Road. Four other primary roads provide access; to the Sediment Pond A, the coal preparation facility (tipple), the shop, and to ~~a construction pad for the upper conveyors (Heist Road)~~ Shower House. ~~The Heist Road is shown on Plate 3-6.~~

There is one ancillary (jeep trail) road shown near the portal on Plate 2-4C, but it is not in use.

Roads are maintained in such a manner that the performance standards will be met throughout the life of the entire transportation facility, including maintenance of the surface, shoulders, parking and side areas, and erosion control structures for safe and efficient utilization of the road.

Reclamation of roads and parking areas is treated in the same manner as other working areas. Any asphalt or treated surfaces will be removed prior to rehabilitation upon completion of mining. See Plates 3-1, 3-2, ~~and 3-5 and 3-6~~, and road agreement under Appendix 3-D.

Reclamation

All roads shall be removed upon completion of the mining operation. The timing and procedure of removal and reclamation is discussed in detail under the Backfilling and Grading Plan in Sec. 3.6.4. See Section 3-6, and Chapters 7, 8 and 9 for full reclamation procedures.

During reclamation road surfacing material will be removed and salvaged or buried as fill material in the reclamation of highwalls, see Appendix 3-L. Reclamation will then be accomplished by ripping up the remaining base, and ensuring that suitable plant growth material is in place prior to planting the area with the approved seed mix. During this time, all culverts shall be removed and either salvaged or disposed of in an approved landfill, and the natural drainage patterns shall be restored.

PRIMARY ROADS

There are 76 Primary roads within the Permit Area. Each road is described below.

Primary Haul Road

The Bear Canyon Haul Road is approx 3690 ft long from the gate to the base of the Portal Access Road and Tipple Access Road. See

Tipple Access Road

This road is 600 ft long, and was constructed to provide access to the Coal Preparation Facility. The road has an overall slope of approx 12 pct, and does not exceed 25 pct at any point.

Shop Road

This road is 160 ft long, and provides access to the Shop Pad. The road has an overall slope of approx 1 pct, and does not exceed 5 pct at any point.

~~Hoist Road~~

~~This road is approx 85 ft long, and was constructed to provide access for construction and maintenance of conveyors etc where the coal exits underground. The av. slope is 25 pct for the first 55 ft and 4 pct thereafter. A catch basin is installed at the end of the road where the Hoist is anchored to the bedrock ledge. See Plate 3-6.~~

ANCILLARY ROADS

The only Ancillary Road on the permit area is a jeep trail that was constructed pre-law, probably as a cattle trail. This road is shown on Plate 2-4C. The road is blocked off, is not within the disturbed area, and is not used; therefore, no maintenance or reclamation plan is proposed for this trail.

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change:
Hoist Road Redesignation & Surface Facilities Update

Permit Number: *ACT 0151025*

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

<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	DESCRIPTION
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 2-4C; <i>Surface Facilities Map corrected;</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Hoist Road renamed; waterline added to disturbed area</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-VI; <i>Table of Contents: Hoist Road renamed</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-2; <i>Added description of belt Portal Pad</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-6; <i>Reference to Hoist Rd. Renamed, Stonehouse Rd. Ad</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-7; <i>Road reference to Plate 3-6 deleted</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3D-4; <i>Number of Roads changed; Hoist Rd. deleted</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3D-7; <i>Description of Hoist Road deleted</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 3-2C; <i>Waterline disturbed Area boundary updated</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 3-5B; <i>Reference to Hoist Road deleted</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 3-6; <i>Hoist Road renamed to belt Portal Pad</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 7-1C; <i>Hoist Road renamed; waterline added to disturbed Area</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 7-5; <i>Waterline added to the disturbed Area</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 7-7; <i>" " " " " " "</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 8-1; <i>" " " " " " "</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plate 8-5C; <i>" " " " " " "</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

RECEIVED

JUL 19 1993

APPENDIXES

DIVISION OF
OIL GAS & MINING

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C	Subsidence Control and Monitoring	3C-1
D	Mine Roads	3D-1
E	Toxic Materials & Handling	3E-1
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G	Interim Reclamation Plan	3G-1
H	Deleted	
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Plate 3-2	Post Mining Topography	Plate 3-5A & 3-5B	Road Details
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Plate 3-4A	Bear Canyon No.1 Mine (Blind Canyon Seam)		

3.3.2 Portals

Bear Canyon Mine has ten 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.

3.3.3 Surface Buildings and Structures

Surface structures consist of; shops, parts warehouse, bath house; truck scales, weighman office, mine offices; caretaker dwelling, mine run coal receiver bin, crushing and sizing structure, truck load out bins, stockpile towers, and conveyors to carry coal to storage and load out sites, etc.. A complete list of surface buildings and structures is in Appendix 3-A and shown on Plate 2-4.

3.3.9 Storage, Waste and Refuse Areas

Waste disposal plans, removal, handling and storage are discussed in Section 3.5.8. All waste will be disposed of in a manner in line with R645-301-513.300 and MSHA regulations.

3.3.10 Transportation, Roads and Parking Areas

There are ~~sevensix~~ primary roads in the permit area: Bear Canyon Haul Road, Portal Access Road, Shower House Road, road to Sediment Pond A, Tipple Access Road, ~~and the~~ Shop Road ~~and the Hoist Road~~. All roads are shown on Plates 2-4. Road profiles and typical cross sections are shown on Plates 3-5. A description of all roads is included in Appendix 3-D, along with maintenance procedures.

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There is one ancillary (jeep trail) road shown near the portal on Plate 2-4C, but it is not in use.

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Reclamation

All roads shall be removed upon completion of the mining operation. The timing and procedure of removal and reclamation is discussed in detail under the Backfilling and Grading Plan in Sec. 3.6.4. See Section 3-6, and Chapters 7, 8 and 9 for full reclamation procedures.

During reclamation road surfacing material will be removed and salvaged or buried as fill material in the reclamation of highwalls, see Appendix 3-L. Reclamation will then be accomplished by ripping up the remaining base, and ensuring that suitable plant growth material is in place prior to planting the area with the approved seed mix. During this time, all culverts shall be removed and either salvaged or disposed of in an approved landfill, and the natural drainage patterns shall be restored.

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CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



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

September 11, 1993

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

RECEIVED

SEP 16 1993

Ms. Grubaugh-Littig,

DIVISION OF
OIL, GAS & MINING

Re: Hoist Road designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93E, Emery County, Utah

Enclosed are 3 DRAFT copies of pages 7-ii and 7-121. References to the "Hoist Road" have been corrected. Please incorporate these pages into the previously submitted pages for proposal 93E. Also enclosed is a copy of the updated "detail of changes" page for 93E.

Upon approval, finalized copies will be sent to the Division. If you have any questions, please call Charles Reynolds at (801) 381-2450.

Thank You,

A handwritten signature in cursive script that reads "Wendell Owen". The signature is written in black ink and is positioned above the printed name.

Wendell Owen,
Resident Agent

WJO/sr

Application for Permit Change

Detailed Schedule of Changes to the Permit

Title of Change: <i>Hoist Road Redesignation & Surface Facilities Update</i>	Permit Number: <i>ACT 0151025</i>
	Mine: <i>Bear Canyon</i>
	Permittee: <i>Co-Op Mining Co.</i>

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
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 2-4C; Surface Facilities Map corrected;</i>
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Hoist Road renamed, waterline added to disturbed area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>3-VI; Table of Contents; Hoist Road renamed</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>3-2; Added description of belt Portal Pad</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>3-6; Reference to Hoist Rd. Renamed, Shovelhouse Rd. Added</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>3-7; Road reference to Plate 3-6 Deleted</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>3D-4; Number of Roads changed; Hoist Rd. Deleted</i>
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<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 3-6; Hoist Road renamed to belt Portal Pad</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 7-1C; Hoist Road renamed, waterline Added to disturbed Area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 7-5; Waterline added to the disturbed Area</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 7-7; " " " " " " " "</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 8-1; " " " " " " " "</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Plate 8-5C; " " " " " " " "</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>7-11, 7-121; Hoist Road renamed to belt Portal Pad</i>
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Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

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	7.2.8.6 Hoist Road Belt Portal Pad Catch Basin	

7.2.8.6 ~~Hoist Road~~ Belt Portal Pad Catch Basin

Runoff from the ~~Hoist Road~~ Belt Portal pad area is collected and totally contained in a catch basin at the base of the road slope (See Plates 2-4 and 3-6). Calculation factors for catch basin sizing are listed below.

<u>Factor</u>	<u>Value</u>
Area	3,765 ft ²
Soil Type	C
Min Infiltration Rate	0.05 to 0.15 in./hr use 0.10 in./hr, see p 7F-7
6 hr-10 yr Storm Rainfall Data Base	1.38 in. (0.23 in./hr) Hiawatha Data by E. Arlo Richardson. See App 7-G.

<u>Total Accumulation</u>	245 ft ³
---------------------------	---------------------

$(3,765 \text{ ft}^2 \times (0.23 \text{ in./hr} - 0.10 \text{ in./hr}) \times 1 \text{ ft}/12 \text{ in.} \times 6 \text{ hr}$

<u>Catch Basin Size</u>	442 ft ³
-------------------------	---------------------

Area	354 ft ²
------	---------------------

Av Depth	1.25 ft
----------	---------

Berm Height	1.5 ft min
-------------	------------

Excess Volume	198 ft ³
---------------	---------------------

Note: The hoist ~~located in the basin~~ is a tubular structure and will not appreciably effect the overall storage capacity of the catch basin and will not jeopardize the structure's effectiveness during the design event.

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7.2.8.6	Hoist Road Belt Portal Pad Catch Basin	

7.2.8.6 ~~Hoist Roadbelt Portal Pad~~ Catch Basin

Runoff from the ~~Hoist Roadbelt Portal pad~~ area is collected and totally contained in a catch basin at the base of the road slope (See Plates 2-4 and 3-6). Calculation factors for catch basin sizing are listed below.

<u>Factor</u>	<u>Value</u>
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$(3,765 \text{ ft}^2 \times (0.23 \text{ in./hr} - 0.10 \text{ in./hr}) \times 1 \text{ ft}/12 \text{ in.} \times 6 \text{ hr}$

<u>Catch Basin Size</u>	442 ft ³
-------------------------	---------------------

Area	354 ft ²
------	---------------------

Av Depth	1.25 ft
----------	---------

Berm Height	1.5 ft min
-------------	------------

Excess Volume	198 ft ³
---------------	---------------------

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7.2.8.6 ~~Hoist-Road~~ ~~Belt Portal Pad~~ Catch Basin

Runoff from the ~~Hoist-Road~~ ~~Belt Portal pad~~ area is collected and totally contained in a catch basin at the base of the road slope (See Plates 2-4 and 3-6). Calculation factors for catch basin sizing are listed below.

<u>Factor</u>	<u>Value</u>
Area	3,765 ft ²
Soil Type	C
Min Infiltration Rate	0.05 to 0.15 in./hr use 0.10 in./hr, see p 7F-7
6 hr-10 yr Storm Rainfall Data Base	1.38 in. (0.23 in./hr) Hiawatha Data by E. Arlo Richardson. See App 7-G.

<u>Total Accumulation</u>	245 ft ³
---------------------------	---------------------

$(3,765 \text{ ft}^2 \times (0.23 \text{ in./hr} - 0.10 \text{ in./hr}) \times 1 \text{ ft}/12 \text{ in.} \times 6 \text{ hr}$

<u>Catch Basin Size</u>	442 ft ³
-------------------------	---------------------

Area	354 ft ²
------	---------------------

Av Depth	1.25 ft
----------	---------

Berm Height	1.5 ft min
-------------	------------

Excess Volume	198 ft ³
---------------	---------------------

Note: The hoist ~~located in the basin~~ is a tubular structure and will not appreciably effect the overall storage capacity of the catch basin and will not jeopardize the structure's effectiveness during the design event.



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)

September 16, 1993

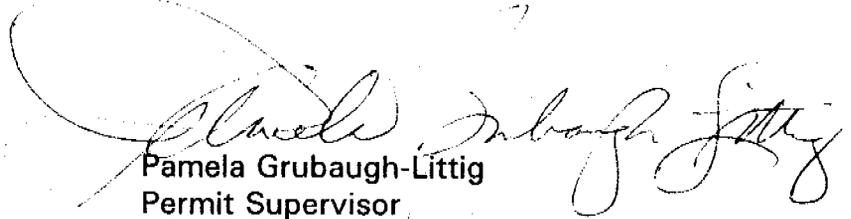
Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528

Re: Hoist Road Designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93E, Folder #3, Emery County, Utah

Dear Mr. Owen:

The above-noted amendment is approved. Please submit three finalized copies of the text and plates by October 8, 1993.

Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor





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

Michael O. Leavitt
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September 2, 1993

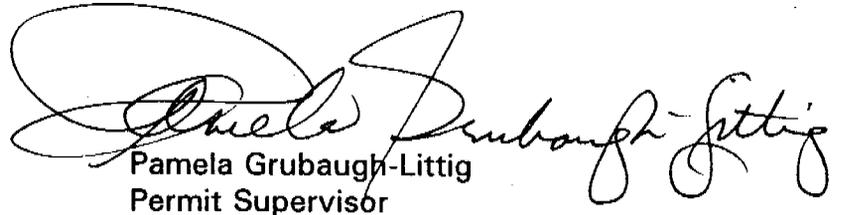
Mr. Wendell Owen
Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528

Re: Hoist Road Designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93E, Folder #2, Carbon County, Utah

Dear Mr. Owen:

The above-noted amendment has been reviewed. Page 7-121 refers to the "Hoist Road" and must be corrected. Please submit this correction by September 15, 1993.

Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor

pgl



CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



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Coal Sales (801) 381-5777

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DIVISION OF
OIL GAS & MINING

July 15, 1993

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

93E

Ms. Grubaugh-Littig,

Re: Hoist Rd. Designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93F, Emery County, Utah

93E

Enclosed are three copies of a proposal which is being submitted as a result of a recent inspection by Susan White. The proposal addresses three issues. The first is involves the existing hoist road. Co-Op has feels it is not necessary to maintain this area as a road, and due to the small length of the area, Co-Op wishes to designated the area from the portal access road to the hoist as the "belt portal pad". The proposal also amends the disturbed area boundary to include the discharge line below the portal access road. The change in the disturbed area (0.002 acres) is incidental and bonding is not affected. The third issue addressed in the proposal is an update to the Surface Facilities. During the inspection, it was noted that two retaining walls on the coal storage pad, a belt tunnel escapeway hatch, a conveyor belt tower, a pre-law powder house structure, and the loadout attendant mobile trailer were not shown on the Plate 2-4C. These structures have been added in this proposal.

Pages and Plates have been marked DRAFT to distinguish them from previously approved pages. Upon approval, finalized copies will be sent to the Division. If you have any questions, please call Charles Reynolds at (801) 381-2450.

Thank You,

Wendell Owen,
Resident Agent

WJO/cr
Enclosure(s)

DATE: 05 AUG 93

APPLICANT VIOLATOR SYSTEM
APPLICATION EVALUATION REPORT

TIME: 11:04:45

STATE: UT

APPNO: ACT015025

SEQNO: 0

PAGE: 1

APPLICANT'S ENTITY ID: 089059

APPLICANT'S NAME : CO OP MINING CO

*ALL ACT/015025 (ABD)
#2 03E*

SYSTEM RECOMMENDATION IS BASED ON ENTITY OFT

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* SYSTEM RECOMMENDATION : ISSUE Open *
* PREVIOUS SYSTEM RECOMMENDATION: ISSUE *
* OSMRE RECOMMENDATION : ISSUE(890807) *
*
*****

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F2/PROCEED F3/QUIT F4/MAIN F6/REPORT F9/V.VIOL F10/V.OFT

DATE: 05 AUG 93

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APPLICATION EVALUATION REPORT

TIME: 11:04:45

STATE: UT APPNO: ACT015025 SEQNO: 0
APPLICANT'S ENTITY ID: 089059
APPLICANT'S NAME : CO OP MINING CO

PAGE: 1

ALL ACT/015025 ~~QSD~~
#2 936

SYSTEM RECOMMENDATION IS BASED ON ENTITY OFT

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* SYSTEM RECOMMENDATION            :        ISSUE            *
* PREVIOUS SYSTEM RECOMMENDATION:        ISSUE            *
* OSMRE RECOMMENDATION            :        ISSUE(890807)       *
*
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gh

F2/PROCEED F3/QUIT F4/MAIN F6/REPORT F9/V.VIOL F10/V.OFT

PERMIT TRACKING FORM

Type of Proposal:

Enforcement Action Involved:

MRP AMENDMENT
 MRP REVISION _____
 EXPLORATION _____
 I. B. C. _____

TDN/L #X _____, # _____ of _____
 NOV #N _____, # _____ of _____
 CO #C _____, # _____ of _____

(Incidental Boundary Change)

Title of Proposal:

Hoist Road Designation - Surf Facilities Update

Company Name:

Co-Op, Bear Canyon Mine

File #: (INA / PRO / ACT / CEP)

015 / 015 - 93 E # New Acres: _____

Discipline	Priority	Reviewers	Due	Completed	Tech Memo Drafted	
					Yes	No
HYDROLOGY	_____	<i>Hugh</i>	<i>8/19</i>	<i>20 July 1993</i>	()	(<input checked="" type="checkbox"/>)
BIOLOGY	_____	<i>Budde - PV</i>	_____	_____	()	()
ENGINEER	_____	<i>Gas</i>	<i>8/16</i>	_____	()	()
SOILS	_____	_____	_____	_____	()	()
GEOLOGY	_____	<i>Get</i>	<i>Surm.</i>	_____	()	(<input checked="" type="checkbox"/>)

Dates:

- (1) Initial Plan Received _____
- Tech Review Due *7/19*
- Tech Review Complete _____
- DOGM Response Sent _____
- Operator Response Due _____
- (2) Operator Response Rc'd _____
- Tech Review Due _____
- Tech Review Complete _____
- DOGM Response Sent _____
- Operator Response Due _____
- (3) Operator Response Rc'd _____
- Tech Review Due _____
- Tech Review Complete _____
- DOGM Response Sent _____
- Operator Response Due _____

Do it when the call this area a pond? I don't know if that's why. They need to revise page 7-121 (attached) if we go this way so as to reflect the areas designation.

- Stipulations Received _____
- Stipulations Received _____
- DOGM Response Sent _____
- Final Approval _____
- Filed in MRP _____
- Author _____
- Transmitted _____

Other Agency Involvement:

Agency	Transmittal Date	Sign-off	Comments:
() OSMRE	_____	_____	_____
() USFS	_____	_____	_____
() BLM	_____	_____	_____
() USFWS	_____	_____	_____
() NPS	_____	_____	_____
() HEALTH	_____	_____	_____
() UDWR	_____	_____	_____
() H ² O RGTS	_____	_____	_____
() HISTORY	_____	_____	_____

PERMIT TRACKING FORM

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(ACT) 015 1 025-93 F # New Acres: _____

Discipline	Priority	Reviewers	Due	Completed	Tech Memo Drafted	
					Yes	No
HYDROLOGY		<u>Hugh</u>	<u>8/19</u>	<u>20 July 1993</u>	()	(+)
BIOLOGY		<u>Dudman - FW</u>			()	()
ENGINEER		<u>Jas</u>	<u>8/16</u>		()	()
SOILS					()	()
GEOLOGY		<u>Get</u>		<u>8/1</u>	()	()

Dates:

(1) Initial Plan Received	<u>7/19</u>	(4) Operator Resubmission	
Tech Review Due		Tech Review Due	
Tech Review Complete		Tech Review Complete	
DOGM Response Sent		DOGM Response Sent	
Operator Response Due		Operator Response Due	
(2) Operator Response Rc'd		(5) Operator Response Rcd	
Tech Review Due		Tech Review Due	
Tech Review Complete		Tech Review Complete	
DOGM Response Sent		DOGM Response Sent	
Operator Response Due		Operator Response Due	
(3) Operator Response Rc'd		(6) Conditional Approval	
Tech Review Due		Stipulations Due	
Tech Review Complete		Stipulations Received	
DOGM Response Sent		DOGM Response Sent	
Operator Response Due		Final Approval	
		Filed in MRP	
		Author	
		Transmitted	

Other Agency Involvement:

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() BLM			
() USFWS			
() NPS			
() HEALTH			
() UDWR			
() H ² O RGTS			
() HISTORY			

CO-OP MINING COMPANY

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DIVISION OF
OIL GAS & MINING

July 15, 1993

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

93E

Ms. Grubaugh-Littig,

Re: Hoist Rd. Designation and Surface Facilities Update, Co-Op Mining Company, Bear Canyon Mine, ACT/015/025-93F, Emery County, Utah

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Thank You,

Wendell Owen,
Resident Agent

WJO/cr
Enclosure(s)

PERMIT TRACKING FORM

Jordan
For file

Type of Proposal:

Enforcement Action Involved:

MRP AMENDMENT ✓
 MRP REVISION _____
 EXPLORATION _____
 I. B. C. _____

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 CO #C _____, # _____ of _____
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File #: (INA / PRO / ACT / CEP)

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Discipline	Priority	Reviewers	Due	Completed	Tech Memo Drafted	
					Yes	No
HYDROLOGY		<i>Hugh</i>	<u>8/19</u>		()	()
BIOLOGY		<i>Jordan - PV</i>			()	()
ENGINEER		<i>Jas</i>	<u>8/16</u>		()	()
SOILS					()	()
GEOLOGY					()	()

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 Operator Response Due _____

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() USFWS	_____	_____	_____
() NPS	_____	_____	_____
() HEALTH	_____	_____	_____
() UDWR	_____	_____	_____
() H ² O RGTS	_____	_____	_____
() HISTORY	_____	_____	_____

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APPENDIXES

DIVISION OF
OIL GAS & MINING

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C	Subsidence Control and Monitoring	3C-1
D	Mine Roads	3D-1
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Plate 3-3	Subsidence Map	Plate 3-6	Hoist RoadBelt Portal Pad Details
Plate 3-4A	Bear Canyon No.1 Mine (Blind Canyon Seam)		

DRAFT

3.3.2 Portals

Bear Canyon Mine has ten 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 3-1).

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.

3.3.3 Surface Buildings and Structures

Surface structures consist of; shops, parts warehouse, bath house; truck scales, weighman office, mine offices; caretaker dwelling, mine run coal receiver bin, crushing and sizing structure, truck load out bins, stockpile towers, and conveyors to carry coal to storage and load out sites, etc.. A complete list of surface buildings and structures is in Appendix 3-A and shown on Plate 2-4.

3.3.9 Storage, Waste and Refuse Areas

Waste disposal plans, removal, handling and storage are discussed in Section 3.5.8. All waste will be disposed of in a manner in line with R645-301-513.300 and MSHA regulations.

3.3.10 Transportation, Roads and Parking Areas

There are ~~sevensix~~ primary roads in the permit area: Bear Canyon Haul Road, Portal Access Road, Shower House Road, road to Sediment Pond A, Tipple Access Road, ~~and the~~ Shop Road ~~and the Hoist Road~~. All roads are shown on Plates 2-4. Road profiles and typical cross sections are shown on Plates 3-5. A description of all roads is included in Appendix 3-D, along with maintenance procedures.

The mine area is approached on the Bear Canyon Haul Road. The mine portal is reached on the Portal Access Road. Four other primary roads provide access; to the Sediment Pond A, the coal preparation facility (tipple), the shop, and to ~~a construction pad for the upper conveyors (Hoist Road)~~ Shower House. ~~The Hoist Road is shown on Plate 3-6.~~

There is one ancillary (jeep trail) road shown near the portal on Plate 2-4C, but it is not in use.

Roads are maintained in such a manner that the performance standards will be met throughout the life of the entire transportation facility, including maintenance of the surface, shoulders, parking and side areas, and erosion control structures for safe and efficient utilization of the road.

Reclamation of roads and parking areas is treated in the same manner as other working areas. Any asphalt or treated surfaces will be removed prior to rehabilitation upon completion of mining. See Plates 3-1, 3-2, and 3-5 and 3-6, and road agreement under Appendix 3-D.

Reclamation

All roads shall be removed upon completion of the mining operation. The timing and procedure of removal and reclamation is discussed in detail under the Backfilling and Grading Plan in Sec. 3.6.4. See Section 3-6, and Chapters 7, 8 and 9 for full reclamation procedures.

During reclamation road surfacing material will be removed and salvaged or buried as fill material in the reclamation of highwalls, see Appendix 3-L. Reclamation will then be accomplished by ripping up the remaining base, and ensuring that suitable plant growth material is in place prior to planting the area with the approved seed mix. During this time, all culverts shall be removed and either salvaged or disposed of in an approved landfill, and the natural drainage patterns shall be restored.

PRIMARY ROADS

There are 76 Primary roads within the Permit Area. Each road is described below.

Primary Haul Road

The Bear Canyon Haul Road is approx 3690 ft long from the gate to the base of the Portal Access Road and Tipple Access Road. See

Tipple Access Road

This road is 600 ft long, and was constructed to provide access to the Coal Preparation Facility. The road has an overall slope of approx 12 pct, and does not exceed 25 pct at any point.

Shop Road

This road is 160 ft long, and provides access to the Shop Pad. The road has an overall slope of approx 1 pct, and does not exceed 5 pct at any point.

~~Hoist Road~~

~~This road is approx 85 ft long, and was constructed to provide access for construction and maintenance of conveyors etc where the coal exits underground. The av. slope is 25 pct for the first 55 ft and 4 pct thereafter. A catch basin is installed at the end of the road where the Hoist is anchored to the bedrock ledge. See Plate 3-6.~~

ANCILLARY ROADS

The only Ancillary Road on the permit area is a jeep trail that was constructed pre-law, probably as a cattle trail. This road is shown on Plate 2-4C. The road is blocked off, is not within the disturbed area, and is not used; therefore, no maintenance or reclamation plan is proposed for this trail.