

# CO-OP MINING COMPANY

P.O. Box 1245  
Huntington, Utah 84528



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September 27, 1999

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

To Whom It May Concern,

Re: Wild Horse Ridge Addition, Bear Canyon Mine, ACT/015/025-98-1, Emery County, Utah #2

Enclosed is a revised application for a significant revision to the Bear Canyon permit area to add the Wild Horse Ridge area. This submittal is in response to the Division's ACR review of the application as per letter dated February 19, 1999.

The following additional information has been added as per the ACR review:

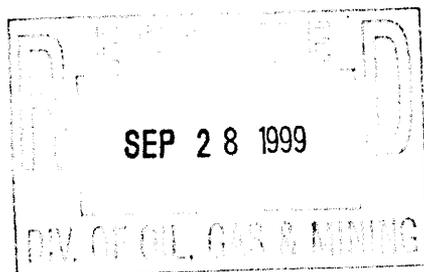
- |   |   |                          |
|---|---|--------------------------|
| Baseline Water Quality Lab Sheets       | - | Appendix 7-M             |
| Order I Soil survey and topsoil volumes | - | Appendix 8-F, Ch. 8 text |
| Prime Farmland/Alluvial Valley Floors   | - | Appendix 8-C             |
| Riparian Area Discussion                | - | Ch. 9 text               |
| Air Quality Approval Order              | - | Appendix 11-B            |
| Archaeological Information              | - | Appendix 5-B             |
| Post-Mining Reclamation contours        | - | Plates 3-2               |
| Backfilling and grading description     | - | Chapter 3 text, App. 3-O |
| Mayo report and PHC                     | - | Appendix 7-J             |

A stream alteration permit application has been submitted to the Utah State Division of Water Rights and will be included in the application following approval. A permit to construct the impoundment dam for Sediment Pond "D" and the UPDES discharge point for the pond has already been approved and is on file with Co-Op and/or included in the MRP. Vegetation productivity was collected in August 1999 for the disturbed and reference areas, and will be submitted when the report is available.

If you have any questions, or need additional information, please call Charles Reynolds at (435) 687-2450.

Thank You,

Wendell Owen  
Resident Agent



Enclosure(s)

# APPLICATION FOR PERMIT PROCESSING

<input type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: ACT/015/025
Title of Proposal: Wild Horse Ridge Addition						Mine: BEAR CANYON MINE
						Permittee: CO-OP MINING COMPANY

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

Permit area is being expanded to include additional Fee and Federal Lease areas held by Co-Op.

**Instructions:** If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

<input type="checkbox"/> Yes		1. Change in the size of the Permit Area? <u>1,951.12</u> acres Disturbed Area? <u>6.89</u> acres <input type="checkbox"/> increase.
<input type="checkbox"/> No		2. Is the application submitted as a result of a Division Order? DO #
<input type="checkbox"/> No		3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> No		4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> No		5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes		6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes		7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> No		8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> No		9. Is the application submitted as a result of a Violation? NOV #
<input type="checkbox"/> Yes		10. Is the application submitted as a result of other laws or regulations or policies? Explain: <b>Significant Revision</b>
<input type="checkbox"/> Yes		11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes		12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes		13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes		14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes		15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes		16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes		17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes		18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes		19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes		20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes		21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes		22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes		23. Does the application affect permits issued by other agencies or permits issued to other entities?

**Attach 4 complete copies of the application.**

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 River Res Agent 9/27/99

Signed - Name - Position - Date

Subscribed and sworn to before me this 27 day of Sept., 19 99.

Leanne Stone

Notary Public

My Commission Expires: 7-16-2002  
 Attest: STATE OF Utah COUNTY OF Garfield

ss: 1/10 2002

Received by Oil, Gas & Mining

SEP 28 1999

ASSIGNED TRACKING NUMBER

## Application for Permit Processing Detailed Schedule of Changes to the MRP

Title of Application:

Wild Horse Ridge Addition

Permit Number: ACT/015/025

Mine: BEAR CANYON

Permittee: CO-OP MINING

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. 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 existing 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"/>	REPLACE	pp. 1-2, 1-7; Housekeeping changes
<input type="checkbox"/>	REPLACE	pg. 1-8; Wild Horse Ridge PHC referenced
<input type="checkbox"/>	REPLACE	pp. 2-iii; Table of Contents updated
<input type="checkbox"/>	REPLACE	pg. 2-2, Plates 2-2, 2-3; Property ownership revised for additional clarity
<input type="checkbox"/>	REPLACE	pg. 2-3, Plate 2-1; Permit area description modified
<input type="checkbox"/>	REPLACE	pp. 2-5, 2-9, 2-10, 2-14; Text updated with Wild Horse Ridge information
<input type="checkbox"/>	REPLACE	pp. 2-7, 2-8, 2-12; General housekeeping changes
<input type="checkbox"/>	ADD	pp. 2B-21; Right of entry information for leases U-020668, U-38727 added
<input type="checkbox"/>	ADD	pp. 2D-13, 2D-14; Proof of publication information updated.
<input type="checkbox"/>	ADD	pp. 2F-18 thru 2F-34; Federal lease agreements added for U-020668, U-38727
<input type="checkbox"/>	REPLACE	Plate 2-4B, 2-4C; Surface Facilities maps updated, permit boundary line modified
<input type="checkbox"/>	ADD	Plates 2-4F, 2-4G; Additional surface facilities maps generated for Wild Horse Ridge
<input type="checkbox"/>	REPLACE	pp. 3-v, 3-vi, 3-vii; Table of Contents updated
<input type="checkbox"/>	REPLACE	pp. 3-1, 3-7, 3-9, 3-11, 3-13, 3-16, 3-20, 3-21, 3-32, 3-33, 3-34, 3-39; Housekeeping changes
<input type="checkbox"/>	REPLACE	pp. 3-2, 3-3, 3-4, 3-5, 3-6, 3-10; Wild Horse Ridge operation described
<input type="checkbox"/>	REPLACE	pp. 3-18, 3C-4, 3C-5, 3C-9, Plate 3-3; Subsidence discussed
<input type="checkbox"/>	REPLACE	pp. 3-19, 3-37, 3-59, 3-60; Discussion of road, post-mining land use
<input type="checkbox"/>	REPLACE	pp. 3-27, 3-28, 3-36; Wild Horse Ridge reserves discussed
<input type="checkbox"/>	REPLACE	pp. 3-45 thru 49, 3-52, 3-54, 3-56, 3-62 thru 64, 3-66 thru 67, 3-72, 3-73, 3-75; Housekeeping
<input type="checkbox"/>	REPLACE	pp. 3-43; Waiver requested for operation within 100 ft. Of Bear Creek
<input type="checkbox"/>	REPLACE	pp. 3-71, 3-80, 3-117, 3-118; Wild Horse Ridge reclamation described
<input type="checkbox"/>	REPLACE	pp. 3-83 thru 3-111; Bond calculations
<input type="checkbox"/>	REPLACE	pg. 3-112; Alluvial Valley Floors discussed
<input type="checkbox"/>	REPLACE	pp. 3A-2, 3A-3, 3A-6, 3A-7, 3A-8; Surface facilities updated
<input type="checkbox"/>	REPLACE	pp. 3D-4, 3D-5, 3D-7, Plate 3-5D; Discussion of roads
<input type="checkbox"/>	ADD	pg. 3D-7A; Discussion of roads - 3C-11; Subsidence discussed

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

SEP 28 1999

DIV. OF GEOL. & MINING

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	DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> REPLACE	pg. 3M-3; Blasting plan updated
<input type="checkbox"/> REPLACE	Plate 3-1; Surface cross-sections added for Wild Horse Ridge
<input type="checkbox"/> REPLACE	Plates 3-2A, 3-2B, 3-2C; Post-mining road and drainage diversions shown
<input type="checkbox"/> ADD	Plates 3-2F, 3-2G; Post-mining contours, road and drainage diversions for WHR shown
<input type="checkbox"/> REPLACE	Plates 3-4A, 3-4C; Projected mining revised to include Wild Horse Ridge
<input type="checkbox"/> ADD	Appendix 3-O; Discussion of construction, reclamation & Slope Stability analysis for WHR pad
<input type="checkbox"/> REPLACE	pp. 4-2, 4-3, 4-5, 4-6, 4-8, 4-8A, 4-9, 4-10, 4-12, 4-13, 4-17, 4-23, 4-24, 4-26; housekeeping
<input type="checkbox"/> REPLACE	pp. 4-7, 4-11, 4-19; Wild Horse Ridge post-mining land use described
<input type="checkbox"/> REPLACE	pg. 5-ii; Table of contents updated
<input type="checkbox"/> REPLACE	pp. 5-1, 5-5, 5-10; Housekeeping changes
<input type="checkbox"/> REPLACE	pp. 5-4, 5-8; Cultural and historic resource information updated
<input type="checkbox"/> ADD	Appendix 5-B; Cultural and historic resource information updated
<input type="checkbox"/> REPLACE	pp. 6-3, 6-6, 6-10, 6-11, 6-13, 6-16, 6-18, 6-19; Housekeeping changes
<input type="checkbox"/> REPLACE	Plates 6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-7, 6-8, 6-9, 6-10, 6-11, 6-12; WHR geology info. added
<input type="checkbox"/> REPLACE	pp. 7-ii, 7-iii, 7-v, 7-vi; Table of Contents updated
<input type="checkbox"/> REPLACE	pp. 7-2, 7-5, 7-10, 7-11, 7-24 thru 7-27, 7-44, 7-52; Hydrology references added
<input type="checkbox"/> REPLACE	pp. 7-6, 7-8, 7-20, 7-21, 7-34; Drillhole information updated
<input type="checkbox"/> REPLACE	pp. 7-9, 7-22, 7-28, 7-50, 7-56, 7-58, 7-65, 7-72, 7-75, 7-118, 7-124; Housekeeping changes
<input type="checkbox"/> REPLACE	pg. 7-12; Baseline water quality information added
<input type="checkbox"/> REPLACE	pp. 7-29, 7-32, 7-53; Water monitoring program updated
<input type="checkbox"/> ADD	pg. 7-35; repagination
<input type="checkbox"/> REPLACE	pp. 7-82, 7-83, 7-84, 7-85, 7-85A, 7-86, 7-87, 7-87A, 7-88, 7-89, 7-89A, 7-104B, 7-107, 7-119, 7-120, 7-121, 7-122; Diversion and Sediment Pond designs added
<input type="checkbox"/> ADD	pp. 7-85B, 7-87B, 7-89B; Diversion and sediment design added
<input type="checkbox"/> REPLACE	pg. 7-123; page reformatted and repaginated (no change to text)
<input type="checkbox"/> REPLACE	pp. 7-125, 7-126; Reclamation hydrology designs added

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

SEP 28 1999

DIV. OF OIL, GAS &amp; MINING

## Application for Permit Processing Detailed Schedule of Changes to the MRP

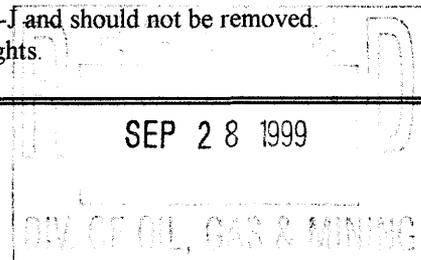
Title of Application:  Wild Horse Ridge Addition	Permit Number: ACT/015/025 <hr/> Mine: BEAR CANYON <hr/> Permittee: CO-OP MINING
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			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/>	ADD		pp. 7-127 thru 7-130; Reclamation hydrology designs added
<input type="checkbox"/>	ADD		pp. 7-131, 7-132; repaginated (no change to text)
<input type="checkbox"/>	ADD		pg. 7A-20; Monitor Well diagram added for MW-114
<input type="checkbox"/>	ADD		pp. 7F-62 thru 7F-72; Sediment pond D designs added
	<input type="checkbox"/>	REPLACE	Appendix 7-G; Diversion design calculations modified to include Wild Horse Ridge designs
	<input type="checkbox"/>	REPLACE	7H-1 thru 7H-51; Reclaimed channel design calculations modified to include WHR designs
<input type="checkbox"/>	ADD		7H-78 thru 7H-123; Post-mining ditch and culvert designs added for post-mining access road
	<input type="checkbox"/>	REPLACE	Appendix 7-J (Except Plate 7J-1*); Mayo Report and revised PHC added.
	<input type="checkbox"/>	REPLACE	pg. 7K-15; ASCA area discussion added for Wild Horse Ridge ASCA's
<input type="checkbox"/>	ADD		pp. 7K-16 thru 7K-24; ASCA area discussion added for Wild Horse Ridge ASCA's
	<input type="checkbox"/>	REPLACE	pp. 7M-12 thru 7M-15; Spring & seep references revised
		<input type="checkbox"/>	REMOVE pp. 7M-16 thru 7M-36; information replaced by Attachment 7M-A (information not removed)
<input type="checkbox"/>	ADD		Attachment 7M-A; Baseline Water Quality information included for WHR (replacing 16-36)
<input type="checkbox"/>	ADD		pp. 7O-9 thru 7O-15; Stream Alteration permit (not included; will be submitted upon approval From DWR and prior to approval**)
	<input type="checkbox"/>	REPLACE	Plates 7-1C, 7-5, 7-7; Revised to include Wild Horse Ridge access
<input type="checkbox"/>	ADD		Plates 7-1F, 7-1G, 7-5A, 7-7A; Hydrology maps added for Wild Horse Ridge expansion
	<input type="checkbox"/>	REPLACE	Plate 7-4, 7N-2; Water Monitoring points added for Wild Horse Ridge
<input type="checkbox"/>	ADD		Plate 7-4A; Wild Horse Ridge area Starpoint potentiometric surface contours identified
	<input type="checkbox"/>	REPLACE	Plate 7-8A; References to cross-sections updated
	<input type="checkbox"/>	REPLACE	Plate 7-8B; Wild Horse Ridge reclaimed channel cross-sections added
<input type="checkbox"/>	ADD		Plate 7-11; Map of proposed Sediment Pond D added

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

\*Plates 7J-1 and 7J-2 from the old Appendix 7-J have been incorporated into the new Appendix 7-J and should not be removed.  
 \*\*Application for stream alteration has been submitted and is currently under review by Water Rights.



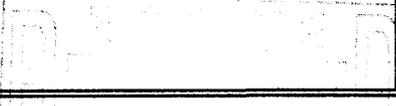
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			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
	<input type="checkbox"/> REPLACE		Plate 7J-2; Housekeeping changes to geologic and hydrologic cross-sections
	<input type="checkbox"/> REPLACE		Plate 7N-1; Reference added to Plate 1, "Geology and Structure Map"
	<input type="checkbox"/> REPLACE		Chapter 8 text (except title page); Soils section condensed (Information was removed which was duplicated from Appendix 8-B), Wild Horse Ridge soil survey information updated
<input type="checkbox"/> ADD			pg. 8C-5, 8C-6; Prime farmland and alluvial valley floor investigation information for WHR
<input type="checkbox"/> ADD			Appendix 8-F; Wild Horse Ridge Order I soil survey results added
	<input type="checkbox"/> REPLACE		Plate 8-1; Wild Horse Ridge area added to map
<input type="checkbox"/> ADD			Plate 8-1A; Order I soil survey map added
	<input type="checkbox"/> REPLACE		Plate 8-5C; Wild Horse Ridge reclamation areas included
<input type="checkbox"/> ADD			Plates 8-5F, 8-5G; Wild Horse Ridge soil reclamation areas identified for Wild Horse Ridge
	<input type="checkbox"/> REPLACE		pg. 9-iii; Table of Contents updated
	<input type="checkbox"/> REPLACE		pp. 9-1, 9-4, 9-10A, 9-11, 9-23; Vegetation description updated
	<input type="checkbox"/> REPLACE		pp. 9-10, 9-22, 9-25, 9-26; Housekeeping changes
		<input type="checkbox"/> REMOVE	pg. 9A-36; Letter moved to Appendix 9-B
<input type="checkbox"/> ADD			pg. 9B-6; Letter moved from Appendix 9-A
<input type="checkbox"/> ADD			Appendix 9-G; Wild Horse Ridge Area and reference area vegetation information
	<input type="checkbox"/> REPLACE		Plate 9-1; Wild Horse Ridge vegetation information updated, Permit boundary changed
	<input type="checkbox"/> REPLACE		pg. 10-1; Housekeeping changes
	<input type="checkbox"/> REPLACE		Plate 10-1; Permit boundary line changed to include Wild Horse Ridge
	<input type="checkbox"/> REPLACE		pp. 11-9, 11-10; Housekeeping changes
	<input type="checkbox"/> REPLACE		Appendix 11-B; Air Quality Approval Order updated for Wild Horse Ridge

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

  
 SEP 28 1999  
 DIV. OF OIL, GAS & MINING