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JAN 14 1994

DIVISION OF
OIL GAS & MINING



January 31, 1994

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84150-1203

file **RE: APPLICATION TO AMEND DEER CREEK MINE PERMIT BY ADDITION OF
RILDA CANYON LEASE TRACT, PACIFICORP, DEER CREEK MINE,
ACT/015/018, EMERY COUNTY, UTAH**

#2

Dear Ms. Grubaugh-Littig:

Transmitted herewith please find eight (8) copies of information to be used to amend the Deer Creek MRP. The materials address the Rilda Canyon Lease Tract which is currently under lease to PacifiCorp, but is not yet included in the Deer Creek Mine Permit.

As you will recall, the materials were originally submitted as a stand-alone document. However, it was concluded that it would be more appropriate to submit the information in a format that would facilitate insertion of the materials into the current Deer Creek MRP. The enclosed materials are in the suggested format.

The current Deer Creek Mine Permit Area covers 14,911.77 acres. The Lease Extension Area encompasses 2,091.6 acres; a 14% increase to the current permit area.

Current subsurface disturbance (mining) within the Deer Creek Permit Area totals approximately 12,150 acres. The proposed additional subsurface disturbance associated with the Extension Area totals approximately 1,750 acres, which equates to approximately a 14.4% increase.

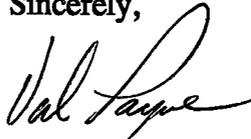
No increase in the current surface disturbed area is proposed by this application.

Accompanying this letter, please find the following:

1. Notarized Form DOGM-C1, Application for Permit Change;
2. Form DOGM-C2, Detailed Schedule of Changes to the Permit;
3. Deer Creek Mine MRP and Rilda Canyon Lease Extension PAP Chronology;
4. Deer Creek Mine Lease Extension PAP Agency/Applicant Action Summary;
5. Mining Plan Information Sheet.

Your early attention to this matter is greatly appreciated. If you have questions, please call me at 653-2312. I am also available to meet with you or your staff if that would be beneficial.

Sincerely,



Val Payne

Sr. Environmental Engineer

cc: M. Moon
File

APPLICATION FOR PERMIT CHANGE

Title of Change: **RILDA CANYON LEASE TRACT EXTENSION
ADDITION TO DEER CREEK MINE PERMIT**

Permit Number: **ACT10151018**
 Mine: **DEER CREEK**
 Permittee: **PACIFICORP**

Description, include reason for change and timing required to implement:
ADD 2,091.6 ACRES OF UNPERMITTED LEASED PROPERTY TO THE DEER CREEK MINE PERMIT.

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 1. Change in the size of the Permit Area? <u>2,091.6</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease. <u>14%</u> |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Change in the size of the Disturbed Area? <u>SURFACE = 0, SUBSURFACE = 1,750</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease. <u>14.4%</u> |
| <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 checked="" type="checkbox"/> Yes | <input 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 checked="" type="checkbox"/> Yes | <input 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 checked="" type="checkbox"/> No | 18. Does permit change require or include certified designs, maps, or calculations? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing? |
| <input checked="" type="checkbox"/> Yes | <input 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.

Val Cape **SR. ENVIRONMENTAL ENGINEER 2/1/94**
 Signed Name - Position - Date

Subscribed and sworn to before me this 7th day of February, 1994
Sally M. Duntz
 Notary Public
 My Commission Expires: Nov. 19, 1996
 Attest: STATE OF Utah
 COUNTY OF Paria

NOTARY PUBLIC
SHELBY M. HURT
 15 South Main St.
 Hurricane, Utah 84202
 My Commission Expires
November 19, 1996
STATE OF UTAH

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**DIVISION OF
OIL GAS & MINING**

ASSIGNED PERMIT CHANGE NUMBER

Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: *ADD RILDA CANYON LEASE TRACT EXTENSION TO DEER CREEK MINE PERMIT AREA*

Permit Number: *ACT10151018*

Mine: *DEER CREEK*

Permittee: *PACIFICORP*

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

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>FIRST 2 UN-NUMBERED PAGES IN VOLUME 1, INTRODUCTION, WITH SAME PAGES WHICH ARE NOW NUMBERED I AND II.</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1 THROUGH 5: VOLUME 1, INTRODUCTION</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1 AND 3: VOLUME 1, TABLE OF CONTENTS</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-1 THROUGH 1-3: VOLUME 1, PART 1, LEGAL, FINANCIAL AND COMPLIANCE</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGE 1-3.1: VOLUME 1, PART 1 - LEGAL, FINANCIAL AND COMPLIANCE</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-8 THROUGH 1-13: VOLUME 1, PART 1 - LEGAL, FINANCIAL AND COMPLIANCE</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGE 1-13.1: VOLUME 1, PART 1 - LEGAL, FINANCIAL AND COMPLIANCE</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-14, 1-20, 1-21 AND 1-22: VOLUME 1, PART 1</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-22.1 THROUGH 1-22.12: VOLUME 1, PART 1</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-23 THROUGH 1-46 AND 1-49: VOLUME 1, PART 1</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 1-51.1 THROUGH 1-51.3 & 1-60 THROUGH 1-62: VOLUME 1, PART 1</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 2-132.1 THROUGH 2-132.5: VOL. 1, PART 2 - ENVIRONMENTAL RESOURCES</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGE 2-181: VOLUME 1, PART 2 - ENVIRONMENTAL RESOURCES</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 2-181.1 THROUGH 2-181.14: VOL. 1, PART 2</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PAGES 2-187 & 2-191: VOL. 1, PART 2</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Pgs. 2-210.1 THROUGH 2-210.5 & 2-218.1 & 2-218.2: VOL. 1, PART 2</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Pgs. 3-2, 3-5 THROUGH 3-7: VOL. 2, PART 3 - OPERATION PLAN</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Pgs. 4-69 & 4-70: VOL. 2, PART 4 - RECLAMATION PLAN</i>
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input checked="" type="checkbox"/> REMOVE	<i>Pgs. 4-72 THROUGH 4-74: VOL. 2, PART 4 - RECLAMATION PLAN</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>Pgs. 4-75 THROUGH 4-79: VOL. 2, PART 4</i>
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>APPENDIX IV TO VOLUME 3</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PLATES 1-1, 1-2, 1-3, 2-14, 2-16, 2-18A, 2-18B, 2-19 (2 MAPS): VOLUME 4.</i>
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	<i>PLATES 3-6 AND 3-7 IN VOLUME 5</i>

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

DEER CREEK MINE
MRP AND RILDA CANYON LEASE EXTENSION PAP
CHRONOLOGY

<u>DATE</u>	<u>ACTION</u>
2/12/90	Rilda Lease Extension PAP submitted to DOGM. Three volumes, stand-alone document.
3/21/90	OSM comments to DOGM on Lease Extension PAP (LEPAP).
4/12/90	New DOGM Rules become effective.
4/17/90*	USFS comments to DOGM on LEPAP.
5/23/90*	Initial Completeness Review (ICR) of LEPAP received from DOGM. Applicant advised that PAP must be formatted according to new rules. ICR includes the following comments: Henry Sauer - 3/23/90 David Darby - 3/28/90 Tom Munson - 4/6/90
10/8/90	Permit Renewal process begins - Reformatted Deer Creek MRP submitted.
10/12/90	Permit Transfer process begins. Transfer of Deer Creek Permit from UP&L to PacifiCorp.
10/15/90	Response to 5/23/90 ICR submitted to DOGM.
10/18/90	Additional information submitted for Permit Renewal and LEPAP.
12/6/90	Permit Renewal Application determined administratively complete by DOGM.
12/24/90	DOGM issues Division Order for updated PHC for Deer Creek Mine.
1/7/91*	USFS responds to DOGM regarding PacifiCorp's 10/15/90 submittal. Comments address new (10/15/90) information and if USFS 4/17/90 comments have been addressed. Item #3 raises concern regarding prehistoric site 42EM2223.
1/10/91*	Letter from USFS to State History (SHPO). Site 42EM2223 determined to be on State land. Issue is to be resolved between DOGM and SHPO.
1/14/91	PacifiCorp requests Prime Farmland Determination from SCS for Lease Extension area.
2/7/91	Deer Creek Permit successively renewed.
2/27/91	Deer Creek Permit Transfer completed.

Note: * indicates items that are discussed further in accompanying Agency/Applicant Action Summary.

2/28/91* Letter from BLM to DOGM responding to 2/12/90 LEPAP.
BLM responds to USFS requested escarpment comments.

3/27/91* Negative Determination regarding Prime Farmland received from SCS.

4/30/91 Revised Hydrologic Section submitted in response to 12/24/90 Division Order.

12/19/91 Additional ICR response submitted to DOGM.

12/20/91 Letter from PacifiCorp to SHPO addressing USFS concerns regarding site 42EM2223.
Copies sent to DOGM and USFS.

2/10/92* PHC review response received from DOGM with deficiencies identified by Tom Munson.

2/21/92 ICR (Hydrologic Section) response submitted to USFS with copy to DOGM.
Addresses USFS concerns (items 5 through 14) in 4/17/90 letter, item-by item.

3/6/92* Update of LEPAP requested by DOGM.

3/23/92 Hydrologic information submitted to DOGM.
Information addresses LEPAP ICR deficiencies (5/23/90) and DOGM PHC review (2/10/92).

3/30/92* Mining Plan Information, for LEPAP, requested by DOGM (J. Kelley by Fax).

4/9/92 Mining Plan Information submitted to DOGM by Fax.

5/15/92* PHC review response received from DOGM with page-by-page (Volume 9) assessments prepared by T. Munson, K. Wyatt and H. Klein.

7/15/92 PHC information submitted to DOGM in response to 5/15/92 document. Copy provided to USFS.

9/11/92 Reformatted Deer Creek MRP approved by DOGM.

9/16/92 Application for Incidental Boundary Change (IBC) submitted to DOGM.

10/28/92 DOGM issues revised Deer Creek Permit which includes IBC.

1/6/93 IBC approved by OSM.

2/26/93 Updated information submitted (hand delivered) in response to DOGM 3/6/92 letter.
Items identified in 3/6 letter were addressed item-by-item.
Mutual decision made by DOGM and PacifiCorp that the LEPAP information would be reformatted and resubmitted for insertion into the Deer Creek MRP rather than as a stand-alone document.

3/30/93 Additional Hydrology information submitted to DOGM.
Included updated Volume 9 and additional information (Volumes 9A and 9B) to respond to DOGM's 2/10/92 PHC deficiencies.

4/8/93 Application for second IBC submitted to DOGM.

6/3/93 DOGM issues revised Deer Creek Permit which includes second IBC.

7/22/93 IBC approved by OSM (effective 7/16/93).

9/21/93 Deer Creek Permit Mid-Term review completed.

1/31/94 Additional updated information submitted to amend currently approved Deer Creek MRP to include all LEPAP materials.
See attached Form DOGM-C2, Detailed Schedule of Changes to Permit.

DEER CREEK MINE

RILDA CANYON LEASE EXTENSION PAP

AGENCY/APPLICANT ACTION SUMMARY

<u>DATE</u>	<u>AGENCY</u>	<u>COMMENT</u>	<u>APPLICANT'S RESPONSE</u>
4/17/90	USFS	Regarding 2/12/90 LEPAP. 1. Portals and surface disturbance.	Addressed in 10/15/90 submission. See comment 1 in USFS 1/7/91 letter.
		2. Incomplete Environmental Info.	Addressed 10/15/90 by Part 2, Environmental Resources section for stand-alone document. Since the decision was made (2/26/93) to amend the current MRP rather than generate a stand-alone document, Part 2 of the current MRP is updated (1/31/94) with information specific to the Lease Extension area and to address concerns identified in previous submissions. See pgs. 2-132.1 through 2-132.5, 2-181 through 2-181.14, 2-187, 2-191, 2-210.1 through 2-210.5, 2-218.1 and 2-218.2.
		3. Mining beneath escarpment.	Addressed 10/15/90 with pages 3-4, 3-21, 3-28 and plates 3-6 and 3-7. Further concern expressed by USFS in 1/7/91 letter. Also see BLM letter 2/28/91. The currently approved MRP is updated (1/31/94) to address this concern at pgs. 4-70 and 4-76, Appendix IV and plates 3-6 and 3-7.
		4. New portals "South Fork Meetinghouse Canyon".	Addressed 10/15/91. See comment #1 in USFS 1/7/91 letter. The currently approved MRP contains no reference to these portals.
		5. Hydrology - General North Emery Water Users (NEWUA) springs and PHC info.	Not addressed 10/15/90. Restated by USFS as comment #4 in 1/7/91 letter. See 1/31/94 Vol. 9, Appendix G.
		6. No precipitation data.	Not addressed 10/15/90. Restated as #5 in 1/7/91 letter.
		7. Additional spring monitoring.	Not addressed 10/15/90. Restated as #6, 1/7/91.

<u>DATE</u>	<u>AGENCY</u>	<u>COMMENT</u>	<u>APPLICANT'S RESPONSE</u>
		8. PHC, page 1 - Hydrologic impact.	Not addressed. Restated #7, 1/7/91.
		9. PHC, pg. 6 - Sediment yield report reference.	Not addressed. Restated #8, 1/7/91.
		10. PHC, pg. 10 - Swelling clays, NEWUA springs, Cottonwood Canyon spring (79-25).	Not addressed. Restated #9, 1/7/91. Vol. 9, pgs. v, 114 & App. G (1/31/94) address the NEWUA springs.
		11. PHC, pg. 12 - NEWUA springs, spring 79-25.	Not addressed. Restated #10, 1/7/91.
		12. PHC, pg 13 - Water monitoring data.	Not addressed. Restated #11, 1/7/91.
		13. Water quality data.	Not addressed. Restated #12, 1/7/91.
		14. Temperature measurement location.	Not addressed. Restated #13, 1/7/91.
5/23/90	DOGM	T. Munson comments.	Not addressed 10/15/90. Addressed in subsequent submissions of Volume 9 - 4/30/91, 12/19/91, 2/21/92, 3/23/92, and 7/15/92.
		1. Hydrologic baseline data.	All changes made in submissions listed above are incorporated into the 3/30/93 submission of the Hydrologic Section which now consists of three volumes - Volumes 9, 9a & 9B.
		2. Monitoring site locations.	
		3. Spring identification & monitoring.	
		4. Well water quality data.	
		D. Darby comments.	Refer to statement above.
		1. Stratigraphic information.	
		2. Standard map scale.	
		3. Water monitoring well construction information.	
		4. NEWUA springs.	Volume 9, pgs. v, 114 and Appendix G are submitted 1/31/94 to address DOGM and USFS concerns regarding the NEWUA springs.
		5. Subsidence impacts to springs.	
		6. Sealing clays.	
		H. Sauer comments.	
		1. Acid/toxic sampling.	Addressed 10/15/90 at pg. 3-19. This information will be added to current MRP at pg. 3-67.1.
		2. Soil Resource information.	Soil survey report was submitted 10/15/90, pg. 2-50 through 2-63.

<u>DATE</u>	<u>AGENCY</u>	<u>COMMENT</u>	<u>APPLICANT'S RESPONSE</u>
		3. Land use information.	Addressed 10/15/90 at pgs. 2-52 through 2-55 and 2-93 through 2-95. Current MRP is updated with this information at pgs. 2-181.3 through 2-181.6.
		4. Prime Farmland Investigation.	Addressed 10/15/90 at pg. 2-96 and 12/19/91 at 2-96, 2-99 and 2-100. Current MRP is updated with this information at pgs. 2-218.1 and 2-218.2.
1/7/91	USFS	1. Portals and surface disturbance cited in 4/17/90 letter adequately addressed 10/15/90.	NA
		2. Mining beneath escarpment.	The current MRP is updated 1/31/94 to address this concern at pg. 4-70, 4-76, Appendix IV - Volume 3 and plates 3-6 and 3-7. Also see BLM letter of 2/28/91 to DOGM with copy to USFS.
		3. Cultural Resources - Protection of Prehistoric site 42EM2223. Also see letter (1/10/91) to SHPO.	Response submitted 12/19/91, pages 2-1, 2-2 and 2-2.1 through 2-2.3. Clarification and corrections submitted 2/26/93 as revised pgs. 2-2.1 & 2-2.2. The current MRP is updated 1/31/94 at pgs. 2-132.1 through 2-132.5 with the correct archeological information for the extension area.
		4 through 13 are restatements of 5 through 14 from 4/17/90 letter.	These hydrology concerns were addressed in submissions dated 4/30/91, 12/19/91 and the item-by-item response submitted 2/21/92 to USFS with a copy to DOGM. The information found in these submissions is now contained in Volumes 9, 9A and 9B, submitted 3/30/93 & 1/31/94 (Appendix G).
		14. Wildlife and livestock grazing page 2-14, 2/12/90.	Page 2-14, submitted 2/12/90 was corrected and resubmitted 12/19/91. This information will be submitted to update the current MRP at pg. 2-146.
		15. T&E Plants, page 2-14 (2/12/90).	Threatened & Endangered plant information was updated 12/19/91 as revised pg. 2-14 and added pg. 2-14.1. This information is further revised and updated 1/31/94 at pg. 2-187, 2-191 and 2-210.1 through 2-210.5

<u>DATE</u>	<u>AGENCY</u>	<u>COMMENT</u>	<u>APPLICANT'S RESPONSE</u>
		16. Vegetation Monitoring Plan pg. 2-46. Reference to Ustorthent soils should be changed to Lithic.	The recommended change was made 12/19/91 at pg. 2-46. This information will be submitted to update the current MRP at page 2-178.
1/10/91	USFS	Letter to SHPO regarding prehistoric site 42EM2223. Concern is to be resolved between DOGM & SHPO.	Applicant submitted information regarding 42EM2223 to SHPO 12/20/91 with a copy to DOGM and USFS. This was also submitted to DOGM 12/19/91 as page 2-1 to update the 2/12/90 application. The information is submitted 1/31/94 to update the current MRP at pg. 2-132.1
2/28/91	BLM	BLM letter to DOGM in response to 2/12/90 application addresses USFS request regarding mining beneath escarpment.	NA
3/27/91	SCS	Negative determination regarding Prime Farmland within Lease Extension Area.	Information was submitted to DOGM 12/19/91 at pgs. 2-96, 2-99 & 2-100. The current MRP is updated at pgs. 2-218.1 and 2-218.2 (1/31/94).
2/10/92	DOGM	PHC review with deficiencies identified by T. Munson.	Applicant submitted response (3/23/92) as Appendix E to be inserted into Volume 9. This information is included in the 3/30/93 submission of the Hydrology Section - Volumes 9, 9A and 9B.
3/6/92	DOGM	Request for updated information for Extension Application.	Response was submitted 2/26/93; however, decision was made that the application should be formatted for insertion into the current Deer Creek MRP. Therefore, all materials were reformatted and submitted with additional information 1/31/94. Items in the 3/6/92 letter are addressed as follows:
		1. Delete and update references to Utah Power & Light Co.	Various text pages and plates are revised. Additionally page "i" is submitted to address this item.
		2. Update mine maps.	See plates 3-6 and 3-7.
		3. Update subsidence information with current prediction study results to address escarpment.	Portions of the subsidence control plan found on pages 4-69, 4-70 and 4-72 through 4-79 are revised. Additionally, Volume 3, Appendix IV is submitted.

DATE AGENCY

COMMENT

APPLICANT'S RESPONSE

4. Legal & Financial information for stand-alone document.

The Lease Extension Application is no longer a stand-alone document. However, portions of the Legal and Financial Section of the current MRP have been updated to include the Extension Area as follows:
Pages 1-1 through 1-3.1, 1-8 through 1-14, 1-20 through 1-46, 1-49, 1-51.1 through 1-51.3 and 1-60 through 1-62.

5. Plate 1-1, Coal Ownership Map has incorrect lease information.

Plate 1-1 is revised.

6. Clarification of statement on page 2-4 regarding surface disturbance.

The information referenced on page 2-4 of the stand-alone document is found on page 2-136 of the current MRP. The statement refers to the terraced area adjacent to the Deer Creek Mine yard area. The terraces were created prior to 1974. The "confusing statement" is contained in a report prepared by a consultant. It refers to the fact that, of the entire terraced area, (estimated to be 10 acres) only the lowest terrace (estimated to be 4 acres) is used for mining (ROM conveyor). Therefore, only the lowest terrace is included in the reclamation plan. The remaining portion of the terraced area is considered pre-law disturbance.

7. Incorrect description of area covered by archeological survey.

Page 2-2.2 referenced in the 3/6/92 letter corresponds to page 2-132.4 in the current (1/31/94) information. The legal description has been corrected. The 2280 acres figure, in question, is an estimate made during the bidding process for obtaining archeological consultation. AERC was contacted following receipt of the 3/6/92 letter. Dr. Richard F. Hauck confirmed that the entire extension area (2372 acres) was surveyed. Revisions to the AERC report were made following consultation with AERC. The archeological information relating to the Extension Area is found on pages 2-132.1 through 2-132.5.

8. Update T&E species information on page 2-69 & determine status of "sensitive" plant that may be

Page 2-69 referenced in the 3/6/92 letter corresponds to page 2-187 of the current MRP. This page is updated and

DATE AGENCY

COMMENT

APPLICANT'S RESPONSE

found in Section 32.

additional Threatened, Endangered and Sensitive species information is presented in pages 2-191 and 2-210.1 through 2-210.5. Additionally, a survey for Astragalus montii (Heliotrope milkvetch) was conducted in July of 1992. The survey covered potential habitat sites on East Mountain, including the Lease Extension Area. The conclusion of the participants (USFS, DOGM, PacifiCorp) was that the plant does not occur at any of the sites.

9. Relevance of Exhibit "A" pg. 2-95.

Exhibit "A", page 2-95, referenced in the 3/6/92 letter, is found at page 2-216 of the current MRP. It is one of 3 exhibits (A, B & C) which are part of the Prime Farmland investigation completed by the SCS in 1983 for the Deer Creek Permit Area. The Prime Farmland information for the Extension Area is found at pages 2-218.1 and 2-218.2.

10. Page 3-2, Figure 1, doesn't show Extension Area.

Page 3-2, Figure 1, of the current MRP is updated.

11. Update plates, maps and figures to show Extension Area.

Relevant plates, maps and figures are updated.

12. Page 3-31, statement regarding notification of affected surface owners regarding mining activity.

Page 3-31, referenced in 3/6/92 letter, corresponds to page 4-78 of the current MRP. Page 4-78 is revised to contain the correct information.

13. Application must contain current information.

The current Deer Creek MRP is updated to include information submitted previously as a stand-alone document. The Legal, Financial and Compliance section is updated with current information.

14. Application must contain notarized statement.

A notarized Application For Permit Change, Form DOGM-C1, accompanies this application.

3/30/92 DOGM

Request for mining plan information.

Requested information was provided 4/9/92. The information is updated and included with this application (1/31/94).

5/15/92 DOGM

PHC review with itemized Assessment Statements prepared by T. Munson, K. Wyatt & H. Klein

Itemized response was submitted to DOGM (7/15/92) as updated materials to be placed in Volume 9 - Hydrology

DATE AGENCY COMMENT

APPLICANT'S RESPONSE

Section. Additional hydrology and PHC information was submitted 3/30/93 as Volumes 9, 9A and 9B. This material addresses all previously identified deficiencies and, when approved, will replace Volume 9 of the currently approved MRP.

MINE PLAN INFORMATION

Mine DEER CREEK MINE County EMERY
 Permit ID ACT/015/018 () New (✓) Revision ID RILDA EXTENSION
 Permittee PACIFICORP
 Address 201 SOUTH MAIN STREET, SUITE 2100, SLC., UT. 84140-0021
 Official & Title J. BRETT HARVEY, VICE PRESIDENT - FUEL RESOURCES

Proposed Operations

Federal Lease(s) U-7653, U-47977, SL-050862, U-06039 & STATE LEASE AL2259

() Surface (✓) U/A Mining Method(s) LONGWALL

Coal Seam(s) to be Mined:

Seam Name	Coal Thickness(es)	Seam Depth(es)
<u>BLIND CANYON</u>	<u>5-16'</u>	<u>0-2150'</u>
<u>HIAWATHA</u>	<u>5-14.5'</u>	<u>0-2250'</u>

Surface Ownership (Acres)	Existing Permitted Area	Proposed Add'l Permitted Area	Total Mine Permitted Area
Federal	<u>8,494.72</u>	<u>1,451.60</u>	<u>9,946.32</u>
Non-Federal	<u>6,417.05</u>	<u>640.00</u>	<u>7,057.05</u>
Coal Ownership			
Federal Lease(s)	<u>13,826.20</u>	<u>1,451.60</u>	<u>15,277.80</u>
Unleased Federal	<u>0</u>	<u>0</u>	<u>0</u>
Non-Federal	<u>850.00</u>	<u>640.00</u>	<u>1,490.00</u>
TOTAL Acres	<u>14,676.20</u>	<u>2,091.60</u>	<u>16,767.80</u>
Disturbed Acres	<u>93.29</u>	<u>0</u>	<u>93.29</u>
Mineable Coal (Tons)			
Federal	<u>93,900,000</u>	<u>32,170,000</u>	<u>126,070,000</u>
Non-Federal	<u>-0-</u>	<u>4,800,000</u>	<u>4,800,000</u>
TOTAL Tons	<u>93,900,000</u>	<u>36,970,000</u>	<u>130,870,000</u>
Years Remaining	<u>11</u>	<u>6</u>	<u>17</u>
Ave Annual Prod	<u>3,500,000</u>		Year Mining Ends <u>2009</u>

• Attach Legal Description of Leased Federal Coal within Proposed Permit Area

* * SOUTHERN PORTION OF U-06039 ONLY.

ACT/015/018 #2

MINING PLAN INFORMATION

Mine DEER CREEK MINE County EMERY
 Permit ID ACT/015/018 () New (✓) Revision to ANDA EXTENSION
 Permittee PACIFICORP
 Address 201 SOUTH MAIN STREET, SUITE 2100, SLC., UT. 84140-0021
 Official & Title J. BRETT HARVEY, VICE PRESIDENT - FUEL RESOURCES

Proposed Operations

Federal Lease(s) U-7653, U-47977, SL-050862, U-06039 & STATE LEASE M/209 **

() Surface (✓) U/G Mining Method(s) LONGWALL

Coal Seam(s) to be Mined:

SEAM NAME	Coal Thickness(es)	Seam Depth(s)
<u>BLIND CANYON</u>	<u>5-16'</u>	<u>0-2150'</u>
<u>HIWATERA</u>	<u>5-14.5'</u>	<u>0-2260'</u>

Surface Ownership (Acres)	Existing Permitted Area	Proposed Add'l Permitted Area	Total Mine Permitted Area
Federal	<u>8,494.72</u>	<u>1,451.60</u>	<u>9,946.32</u>
Non-Federal	<u>6,417.05</u>	<u>640.00</u>	<u>7,057.05</u>
Coal Ownership			
Federal Lease(s)	<u>13,826.20</u>	<u>1,451.60</u>	<u>15,277.80</u>
Unleased Federal	<u>0</u>	<u>0</u>	<u>0</u>
Non-Federal	<u>850.00</u>	<u>640.00</u>	<u>1,490.00</u>
TOTAL acres	<u>14,676.20</u>	<u>2,091.60</u>	<u>16,767.80</u>
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Ave Annual Prod	<u>3,500,000</u>		Year Mining Ends <u>2009</u>

Attach Legal Description of Leased Federal Coal within Proposed Permit Area

** SOUTHERN PORTION of U-06039 only.