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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 15, 1997

Chuck Semborski, Environmental Supervisor
PacifiCorp
P.O. Box 310
Huntington, Utah 84528

RE: Deficiencies in New Drawings Volume 4, PacifiCorp, Deer Creek Mine, ACT/015/018-97B, File #2, Emery County, Utah

Dear Mr. Semborski:

Attached is a list of deficiencies identified by Jim Smith in the hydrology section of your submittal. If you could resubmit these changes with the requisite number of copies by April 30, 1997 we can approve this amendment.

If you have any questions please call me or Jim Smith.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Joseph C. Helfrich'.

Joseph C. Helfrich
Permit Supervisor

tt
Enclosure
cc:

Appendix A:

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Wilberg/Cottonwood Mines UT-0022896 is mis-identified as UT-0023604, and Trail Mountain Mine UTG040003 is mis-identified as UTG040009;

Maps:

- The USFS Special Use Area at Des-Bee-Dove is no longer shown on maps HM-1, -4, and -5. (Is it no longer part of the permitted area?)
- Because of the small size, much of the text is difficult to read against the complexity or color of other drawing components or background, especially on HM-1 and HM-5;
- A "star" symbol that is not explained in the Legend appears at several locations along Cottonwood Creek on maps HM-1 and HM-5;
- The "arrow" symbol on HM-2 and HM-3 is not explained in the Legend;
- In-mine drill holes shown on the old HM-2 and HM-3 are not on the new HM-2 and HM-3;
- There are no names identifying mains and entries on HM-2, -3, and -5;

Map HM-1 East Mountain Property - Hydrology Data Map:

- Springs along Cottonwood Creek, some of which have been monitored in the past and on which there are water rights, were shown on the old HM-1 but are not on this new HM-1 (but they are shown on HM-5);
- TM-3, a piezometer located in Straight Canyon, and T-19, a surface monitoring point in Straight Canyon, are both listed in Appendix A but not shown on HM-1 (but they are shown on HM-5);

Map HM-2 East Mountain Property Blind Canyon Coal Seam In-mine Water Monitoring Locations:

- Old Des-Bee-Dove Blind Canyon seam workings in Section 11, T17S, R 7E that are shown on the old HM-2 are not on this new HM-2;

Map HM-3 East Mountain Property Hiawatha Coal Seam In-mine Water Monitoring Locations

- The Johnson Mine workings shown on the old HM-3 are not on this new HM-3;

Map HM-5 Spring Map - East & Trail Mtns. With 5 Year Mine Plan 1996-2000 and 1995 Subsidence Zones:

- Surface geology isn't shown, making it difficult to correlate amount (and effects) of subsidence with stratigraphy and outcrops or surface material;
- No subsidence is shown for the Trail Mountain area (was there any?);
- The Legend doesn't indicate which hatching pattern represents which coal seam;
- Mining is projected outside the permit area in the North Rilda Area;
- The location of T-19 is within the map coverage but T-19 is not marked.