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

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July 10, 1997

TO: File

THRU: Daron Haddock, Permit Supervisor *DORH*

FROM: Jess Kelley, Reclamation Specialist *JK*

RE: 1996 Annual Report, PacifiCorp, Des-Bee-Dove Mine, ACT/015/017, Folder #2, Emery County, Utah

SUMMARY:

The permittee submitted the 1996 Annual Report for Division approval on May 1, 1997.

TECHNICAL ANALYSIS:

This writer examined 3 sections of the Annual Report to determine whether or not they contained adequate information: 1) subsidence monitoring data, 2) certified sediment pond inspections, and 3) updated mine maps.

● Subsidence Monitoring Data

The subsidence monitoring program for this mine is done in conjunction with that of the Deer Creek Mine and the Cottonwood/Wilberg Mine, since all 3 are located adjacent to each other on East Mountain. Subsidence is measured by aerial photogrammetric survey methods and observed by annual helicopter reconnaissance flights. Raw subsidence data are included on a 4.5-inch floppy disc which accompanies the Annual Report. Also included in the Annual report are an underground workings map, a subsidence isogram, and 2 isogonal subsidence profiles for each area in which mining took place and where subsidence was monitored during 1996.

Mining ceased at this site in 1987. Subsidence appears to have stabilized, with little or none having occurred in 1996.



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- Certified Sediment Pond Inspections

There is 1 sediment pond at this site. It was inspected on December 13, 1996 by John Christensen, a professional engineer licensed and registered in the state of Utah. A certified inspection report is found in the Annual Report. This inspection revealed no evidence of instability, structural weakness, or other hazardous conditions.

- Updated Mine Maps

The Annual Report includes 2 maps of the underground workings. These maps are designated *Beehive and Little Dove Mine Workings* (#CU-230E) and *Deseret Mine Workings* (#CU-229E).

RECOMMENDATION:

It is recommended that the subsidence monitoring data, the certified sediment pond inspection reports, and the current mine maps be accepted by the Division as satisfying the respective regulatory requirements for the Annual Report.

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