



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)

June 10, 1997

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Sharon Falvey, Reclamation Specialist *SKA*

RE: Annual Report, Horizon Coal Company, Horizon Mine, ACT/007/020, Folder #2, Emery County Utah.

Summary

This memo summarizes the information provided in the Horizon Mine annual report for 1996.

Analysis

The permittee has indicated that all 1996 quarterly monitoring data are on file at the Division. Some problems with the Cation Anion Balance have been identified during permitting review. The September 20, 1996 Technical Analyses recognized the error stating "The 1996 metal samples were not analyzed according to the guidelines. The samples were analyzed as total metals rather than dissolved. This occurred because sedimentation in the water made filtering difficult. The samples were not filtered but were preserved with an acid solution... In the future, samples should not be preserved if they cannot be filtered. Instead, they should be filtered immediately upon delivery to the lab, within a maximum of 2 days from obtaining the sample."

It is recommended that the inspector follow up on the sample analyses by checking the values of the Cation Anion Balance and by observing data collection methods for metals sampling. If the large differences continue filtering in the field may be a necessary requirement. Assistance from a division hydrologist should be provided if requested by the inspector.

Findings

The submittal meets the minimum requirements, to the best of this reviewers knowledge, for the annual report as it relates to water monitoring requirements.