



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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June 9, 1997

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Jess Kelley, Reclamation Specialist *JK*

RE: 1996 Annual Report, Mountain Coal Company, Gordon Creek 2, 7 & 8 Mine, ACT/007/016, Folder #2, Carbon County, Utah

SUMMARY:

The permittee submitted the 1996 Annual Report for Division approval on May 2, 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

Subsidence data from all points are tabulated in the Annual Report. Subsidence is measured by conventional survey methods at 40 points. Points H, A, B, and B-1 through B-10 are over the No. 2 Mine area. Points H, I, and Sub-1 through Sub-24 are above the No. 7 Mine area. Points Sub-25 through Sub-27 are above the No. 8 Mine area.

Subsidence appears to have stabilized at all points. Only Points Sub-2, Sub-21, Sub-23 and Sub-24 showed notable subsidence between 1994 and 1996. Subsidence at these points ranged from about 1 inch at Point Sub-21 to about 3 inches at Point Sub-24. These points are near the coal outcrop where the overburden is shallowest. A visual survey of the area between monitoring points revealed no surface manifestations of subsidence.

●Certified Sediment Pond Inspections

The site has been undergoing final reclamation since the summer of 1996. Ponds #2 and #7A have been eliminated. Sweet's Canyon Pond has been retained and a new 3-cell pond--designated 2/7/8 Sediment Pond--has been installed to treat runoff from the entire area.

Both Sweet's Canyon Pond and 2/7/8 Sediment Pond were inspected on December 13, 1996 by Dan W. Guy, a licensed professional engineer registered in the state of Utah. Certified inspection reports are found in the Annual Report. These inspections revealed no evidence of instability, structural weakness, or other hazardous conditions.

●Updated Mine Maps

The Annual Report includes updated maps of the underground workings. Plate 3-3 shows the No. 2 Mine, Plate 3-5 shows the No. 7 Mine, and Plate 3-4 shows the No. 8 Mine. Since mining ceased at this site in 1993, these maps show the final extent and configuration of the mine workings. These maps have been certified by Dan W. Guy, a licensed professional engineer registered in the state of Utah.

RECOMMENDATION:

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