0002

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 12, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Reclamation Hydrologist TM

RE: **Federal NOV 89-02-370-006, TV2, Kaiser Coal Company, Horse Canyon Mine, ACT/007/013-90A, Folder #5, Carbon County, Utah**

Synopsis

Plans were received in Division offices January 25, 1990, addressing NOV #89-02-370-006, TV2. This response deals with redesigning five sediment pond embankments and installation of a spillway on an existing pond.

Analysis

Pond #2 as shown on the attached calculations demonstrates a capacity of .219 acre-feet. The 24-inch half-round culvert spillway as proposed is more than adequate to handle the .961 cfs from 1 acre. Therefore, approving the pond with a single non-erodible spillway is an appropriate response to address the concerns spelled out in NOV #89-02-370-006, 1 of 2. The pond is sufficiently sized to contain the 25-year, 24-hour storm event based on total containment of the peak storm event. This spillway configuration meets the requirements of our new rules R614-301-742.223.1 and federal rules (30 CFR 817.46[c][2][ii][A]).

The embankment widths as addressed in Table II on page 6 of Kaiser Steel Company's response are adequate to address the requirements of UMC 817.46(1) and the new rules, which are not specific regarding top embankment width. Therefore, this response is adequate to address the concerns spelled out in NOV #89-02-370-006, 2 of 2.

As a result of reconstruction of sediment pond embankments, the operator now needs to address the amount of soil material needed to reconstruct these embankments, where this material will be taken from, and any pertinent soil tests performed on this material if necessary.

Recommendations

This amendment be approved when the operator demonstrates that the soil material needed to enlarge these sediment pond embankments is appropriate for its intended use. If the operator plans on using sediment pond waste, specific soil tests must be performed on this material. The operator must contact the Division's Soil Scientist, Henry Sauer, to have any plans for moving soil material approved.

The operator must be aware of his timeframe regarding abatement and request the appropriate extensions for abatement through the Office of Surface Mining in Albuquerque, New Mexico.

djh
AT46/33-34