



0038

STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 2, 1988

TO: John Whitehead, Permit Supervisor  
FROM: Brent Stettler, Reclamation Biologist *Brent*  
RE: Abatement Plan for NOV 88-26-9-1, Kaiser Coal Corporation,  
Sunnyside Mine, ACT/007/007, Folder #5, Carbon County, Utah

On May 17, 1988, Sunnyside Mine submitted a plan for abatement of NOV 88-26-9-1. The plan calls for the clearing of a culvert which had created a marshy wash below the coarse refuse toe pond (CRT pond). Vegetation is to be disturbed and earth moved in order to fill the wash and recontour slopes. Reclamation of new disturbance and the old CRT pond is scheduled to be completed by November 1988.

I was asked to review the plan from a reclamation perspective, noting the approved seed mix and reclamation methodology.

The plan implies that newly formed slopes may approach 2H : 1V. On slopes as steep as those proposed, the Division recommends that the seedbed be roughened to reduce erosion and improve water catchment for better plant establishment.

Seeding and mulching should be delayed until late fall. Reclamation success is best assured when planting immediately precedes the onset of winter.

The Sunnyside Reclamation Plan (MRP, Book I, Chapter III, page 57-61) commits to the use of a hydroseeder on steeper slopes. Seed will be applied in a water slurry. Mulch shall be applied and tacked in a separate step, according to methods described on page 61. On gently sloping or flat surfaces, a seed drill may be used.

The approved interim seed mix (Table III-49) must be used. Seed shall be hydroseeded at a rate of 22 lbs PLS/acre or drill-seeded at 15 lbs PLS/acre.

TM/as  
1369R/40