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STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, 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

May 6, 1986

Susan D. Hasenjager  
Permitting/Environmental Consultant  
Kaiser Coal Corporation  
P.O. Box D  
Sunnyside, Utah 84539

Dear Ms. Hasenjager:

RE: Reclamation of Pinyon-Juniper Areas at the Sunnyside Mine,  
ACT/007/007, Folder #13

On March 13, 1986 we discussed the possibility of reclaiming Pinyon-Juniper vegetation type areas at the Sunnyside Mine to another type of community. Both increased forage production for wildlife and watershed protection (i.e., increased effective cover) could be positive effects of this change.

If such a change is made, establishment of pinyon and juniper seedlings may not be necessary for reclamation. Therefore, pinyon and juniper seedlings may be deleted from the test plots. If you decide not to modify your revegetation plan, it may be necessary to reinstate tree seedlings into the test plot in order to develop your revegetation techniques for the coarse refuse pile. We can discuss that at a later date.

In order to change the post mining community type, the following is needed from Kaiser:

1. Written documentation (including a map) of what pre-mining P-J areas would be reclaimed to a different type. Wildlife, aesthetic and other considerations might dictate replacement of some P-J to the area.
2. Justification, for the record, of the value of the substitution.

**FILE COPY**

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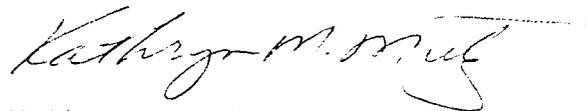
3. What vegetation type(s) or assemblage(s) of species would be substituted? Kaiser could either develop a substitute reference area, if available, or recommend/negotiate a technical standard for revegetation success.

While Kaiser Coal Co. would be responsible for submission of all necessary information, the Division will be glad to cooperate in planning for the changes and developing a reasonable technical standard if that is Kaiser's choice. We welcome the opportunity to work on alternative revegetation plans which would be enhancement for wildlife and watershed protection.

The Division is currently working with Utah International to develop technical standards for the Alton Mine. You may be interested in contacting Dean Williams (Utah International, 415-981-1515) or Steve Viert (Cedar Creek Associates, 303-493-4394) to discuss their plans. The Division is also discussing technical standards with the Office of Surface Mining. Contact with Dwight Kinsey (303-844-2616) may be helpful to you.

Since Kaiser already has a Pinyon-Juniper reference area for the existing revegetation plan, there is no urgency for developing a technical standard unless you are interested in using it for new permit submissions. In any case, please keep me informed of your plans.

Sincerely,



Kathryn M. Mutz  
Reclamation Biologist

cc: J. Whitehead  
L. Kunzler  
0528R/71-72