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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & MiningACT/007/007 #2
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July 31, 1987

TO: John Whitehead, Permit Supervisor

FROM: James R. Fricke, Reclamation Hydrologist *JRF*

RE: Review of As-Built Drawings for Sunnyside Surface Facilities Pond and Coarse Refuse Toe Pond, Kaiser Coal Corporation, Sunnyside Mines, ACT/007/007, Folder #2, Carbon County, Utah

Sunnyside Surface Facilities Pond (SSF)

The operator should incorporate the as-built dimensions for all ditches, culverts, and ponds, into the October 16 and October 30, 1986 submittals for the SSF pond. Ditch dimensions, pond dimensions, and the culvert summary sheet should be modified. The October submittals should be carefully reviewed to ensure that the text is consistent with the as-built design details. The SSF pond design package should be of a compatible format for insertion into the MRP.

Several modifications to the plan should be addressed; they are as follows:

1. Topsoil was not salvaged as stated in the original submittal. Verbage is required to justify why this was not accomplished.
2. A final reclamation plan for the pond is required. The operator must also address temporary revegetation of the construction area and when this will be performed.
3. A typographical error in the October 16, 1986 submittal must be rectified. Please adjust the volume of sediment for the three-year period to reflect
 $22,512 \text{ ft}^3/\text{yr} \times 3 \text{ yr} = 67,536 \text{ ft}^3$
4. Install and depict on the appropriate drawing, a berm along the longitudinal length of the emergency spillway.

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5. The operator should ensure that the proper NPDES permits have been attained for both ponds.

Coarse Refuse Toe Pond (CRT)

The operator should modify the submittal of February 25, 1987 to reflect the as-built field disposition of the pond and associated facilities. Which borrow area was actually used? The operator intended to use a cement culvert, but installed a CMP culvert. Please modify this and other pertinent portions of the text.

On Drawing D4-0158, there is an unidentified area and culvert to the south of the pond inlet. Please label this area and supply the culvert dimensions. Will outlet protection for the culvert be required? According to ditch sections D-D and E-E, adequate headwater protection is not provided. The original submittal for this ditch requires a total depth of two feet.

A temporary revegetation plan is required for the pond and associated disturbed areas. The operator should state when the temporary revegetation plan will be accomplished.

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