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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
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October 8, 1986

CERTIFIED RETURN RECEIPT REQUESTED
(P 402 458 651)

Mr. Doug Pearce
Mine Engineer
Kaiser Coal Corporation
Sunnyside Coal Mines
P.O. Box 10
Sunnyside, Utah 84539

Dear Mr. Pearce:

RE: Review of Coarse Refuse Toe Sediment Pond Plans, Kaiser Coal Corporation, Sunnyside Mines, ACT/007/007, Folder #3, Carbon County, Utah

Division Hydrologist Jim Fricke has completed the review of your September 10, 1986 submittal for the Coarse Refuse Toe sediment pond. Several deficiencies still exist which prevent the plan from being approved. Attached is a memo from Mr. Fricke outlining the deficiencies.

Please assure that your complete response to the deficiencies is received by October 27, 1986.

Sincerely,

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

JJW:djh
Attachment(s)
cc: J. Fricke
D. Lof
0844R/44

September 26, 1986

TO: Coal File

FROM: James R. Fricke, Reclamation Hydrologist *jr for DRF*

RE: Review of Coarse Refuse Toe Sediment Pond Plans, Kaiser Sunnyside Mines, ACT/007/007, Folder #3, Carbon County, Utah

The operator's response to the deficiency letter of July 29, 1986 is not complete. The operator did not adequately address concerns in the deficiency letter for items 16, 17, and 19. The Division requests that the operator responds to the following:

1. Item 16 requested that the slope of the 2' culvert be clarified. The culvert slope on the plan view of drawing D4-0142 appears to be 0 percent, while on the ditch section view it appears to be 14.3 percent. The ditch section view for the culvert slope determination is not of adequate scale. Please submit a culvert section view at a larger scale to determine culvert slope.

The operator commits to using grouted riprap at the culvert outlet for erosion protection. A detailed drawing must be submitted to demonstrate that adequate protection will be provided. The D₅₀ of the riprap exposure above the cement grout. The drawing should demonstrate that the grouted riprap will be keyed into the ditch bottom and sides. The length of protection should be delineated according to the culvert discharge velocity.

2. Item 17 requested that riprap sizing, installation and reclamation information be provided. As noted in item one the operator must provide riprap design specifics for all areas that will be protected by riprap. The stilling basin design criteria for the emergency spillway is adequate. However, a drawing depicting basin depth, slope and width is required. The dimensions given for the stilling basin should be denoted after installation of the riprap.

3. Item 19 requested that a plan for reclamation be submitted for the affected areas. Again this item must be addressed.
4. The operator must commit to a specific size, type and location of sediment level marker. A sediment level marker is delineated on Drawing D4-0142, however, it is confusing as to how the operator will be able to discern the 60 percent clean-out level.
5. On the plan view section of Drawing D4-0142, it appears that the emergency spillway sections B-B and C-C are reversed. Please correct the drawing. The Division finds that the Manning's n value used for grouted riprap is at the maximum range. The operator must submit justification for the use of the maximum value.

djh

cc: J. Whitehead

0798R/18