November 5, 1984

TO: Coal File

FROM: John Whitehead, Reclamation Hydrologist JW

RE: Technical Analysis, Kaiser Steel Corporation, Sunnyside Mine, ACT/007/007, #2, Carbon County, Utah

This memo is to document the methodology used in formulating the hydrology portion of the upcoming final Kaiser Sunnyside Technical Analysis (TA).

The Kaiser mine plan was initially reviewed under contract by Simons, Li & Associates. During the review of the hydrology section of the mine plan, the contractor, with Division concurrence, relied on the Division approvals of the following drainage control plans:

--Railcut Sediment Pond and Associated Diversions
--Pasture Sediment Pond and Associated Diversions
--Old Coarse Refuse Road Pond and Associated Diversions
--Hoist House Sediment Pond and Associated Diversions
--Number Two Canyon Sediment Ponds and Associated Diversions
--Manshaft Sediment Pond and Associated Diversions
--Slurry Ponds #1 and #2 and the Associated Clear Water Pond
--Coarse Refuse Toe Sediment Pond and Associated Diversions

During review of the hydrology sections of the mine plan and identification of technical deficiencies, those areas previously not approved by the Division were primarily focused on. This entailed mainly the Sunnyside Surface Facilities area drainage control plan.

The eight areas previously identified as approved should be checked again during the mid-point reivew of the mine plan two and one-half years after permit approval. At that point, enough time will have elapsed to better evaluate operational success of these structures.

btb
cc: Mary Boucek
Tom Munson
92910-21