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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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August 14, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Tom Munson, Sr. Reclamation Hydrologist *TM*

RE: Terrace Gravel Characterization, Cottonwood/Wilberg Waste Rock, Utah Power and Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90A, Folder #2, Emery County, Utah

Synopsis

It was requested that Utah Power and Light Company add the Terrace Gravels adjacent to the waste pile to figures showing the configuration of the Waste Pile, as well as discuss the impacts to ground water in the text of the Permit Application Package.

Analysis

Based on field investigation and the presence of limited ground water and the nature of soil permeabilities, it is apparent that any ground water which infiltrates the pile will not flow into the terrace gravels, but will flow in a down gradient direction following the natural topography. Therefore, the information submitted verifies the assumption that ground water quality and quantity will not be affected by the waste pile.

Synopsis

This material should be approved and inserted into the Permit Application Package.

djh
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