

PRICE RIVER COAL COMPANY

P.O. BOX 629 HELPER, UTAH 84526 (801) 472-3411

October 27, 1981

CERTIFIED MAIL - Return Receipt Requested

Mr. Steven R. McNeal  
Public Health Engineer  
Division of Waste Water  
Utah Department of Health  
P. O. Box 2500  
Salt Lake City, Utah 84110

OCT 28 1981  
U.S. MAIL  
U.S. DEPT. OF MINING

Re: Storm Drain System for Finished Crandall Canyon Facility  
and Proposed Pond for Upper Topsoil Pile

Dear Steven:

Per your request, we are enclosing for your review, some drainage control design details, including our proposed oil separator. I have also included a map of our final site configuration showing the new pond we will build for the topsoil pile and approximate locations of storm drain discharge points and design calculations for proposed Pond 016.

Pond 016 is to be of small berm-like structure for collecting any potential sedimentation from the adjacent topsoil pile. The maximum area drained to proposed Pond 016 will be 1.05 acres. The pond will have a capacity of 3,763 ft.<sup>3</sup> at the discharge pipe flow line. The capacity is based on a combination of sediment storage capacity and retention without discharge of the 10 year/24 hour theoretical event. Discharge of any event up to the 25 year/24 hour event will be through an 18" diameter CMP. Since we do not anticipate any oil generation from the topsoil pile, we see no need for an oil skimmer. The top width of the berm will be a minimum of 8'.

Other drainage from the finished site will be storm runoff from paved areas. We do not expect that effluent limitation of our NPDES Permit will be exceeded by such a system. To assure that the oil and grease limitation is met, an oil separator will be installed to collect drainage around and from our maintenance shop; the only source of potential oil generation. I hope that you can make the necessary changes of points 014 and 015 from ponds to storm discharge.

Please contact me if you have any further informational needs in these matters.

Sincerely,

*Robert L. Wiley*  
Robert L. Wiley  
Environmental Engineer

RLW:ga

Enclosure (Map, Drainage Details, Design Calculations)

cc: ~~Cally Keefen, ROOM~~ (w/o enclosure)

