



0024

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 19, 1984

Mr. Rob Wiley
Environmental Engineer
Price River Coal Company
P. O. Box 629
Helper, Utah 84526

RE: Abatement Plans for NOV
N84-2-2-7, #2 of 7
Castle Gate Prep. Plant
ACT/007/004, #7
Carbon County, Utah

Dear Mr. Wiley:

Thank you for your response letter dated May 21, 1984 regarding our previous review of Price River Coal Company's abatement response to NOV N84-2-2-7, #2 of 7. While fully respecting your opinion regarding the use of road surfaces to achieve design requirements for drainage ditches, it is the Division's position that drainage ditches should achieve design depths and widths without encroaching onto roadways.

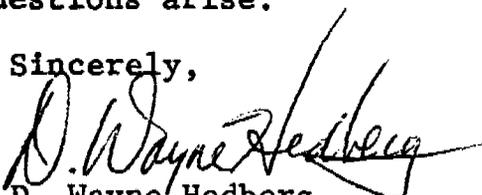
The proposed configuration for Ditch A or B at the Castle Gate Prep. Plant appears to be of adequate size to pass the runoff from a 10-year, 24-hour rainfall event. Please note that the calculation sheets contained in your response appear to be in error. Using the inputs and dimensions in your submittal, the actual capacity of the ditch configuration proposed appears to be 7.9 cfs rather than the 21.5 cfs noted. The 7.9 cfs capacity is still in excess of the calculated peak runoff submitted by Price River Coal Company of 5.6 cfs.

In calculating the normal depth and corresponding velocity, it appears that at a flow rate of 5.6 cfs, a velocity of 2.4 feet per second will be achieved. This is below erosive velocities and should not necessitate riprap.

Page Two
Mr. Rob Wiley
June 19, 1984

The Division hereby approves the proposed cross section contained in the May 21, 1984 submittal. The proposed configuration must be implemented no later than August 31, 1984. Please call John Whitehead or myself should questions arise.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

DWH/jw:btb

cc: Allen Klein, OSM, Denver
Robert Hagen, OSM, Albuquerque
Sandy Pruitt, DOGM
John Whitehead, DOGM
Joe Helfrich, DOGM

92940-1 & 2