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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 29, 1985

CERTIFIED RETURN RECEIPT REQUESTED
P-396-996-975

Mr. Trevor Whiteside
Chief Engineer
Valley Camp of Utah
Belina Mine Complex
Scofield Route
Helper, Utah 84526

Dear Mr. Whiteside:

Re: Abatement Plans for Notice of Violation #N85-2-3-2, Utah No. 2
Loadout, Belina Complex, ACT/007/001, #3 and 7, Carbon County,
Utah

The Division's Technical Staff has reviewed the March 27th and April 15, 1985 submittals from Valley Camp addressing the violation #N85-2-3-2, 1 of 2 and 2 of 2. Based on the plans submitted, Valley Camp proposes to construct drainages ditches along the outslope of the coal stockpile to convey runoff to sediment ponds # 1 and 2. Valley Camp also proposes to reconstruct the diversion ditch on the inslope of the haul road, across from the truck scale. This ditch will direct runoff water through the culvert beneath the haul road to the sediment pond. This concept is acceptable to the Division.

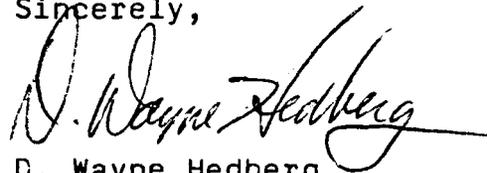
The Division's review shows errors in Valley Camp's peak flow calculations for the four areas contributing to the diversion ditches. Using the SCS curve number technique for determination of peak flow, the Division estimates a peak for area 1 of 1.33 cfs; for areas 2 and 3, 2.61 cfs; and for area 4, 0.21 cfs. The discrepancy in peak flow estimates is attributed to the methodology of peak flow determination used by Valley Camp. The SCS technique requires the use of a site specific rainfall distribution rather than the application of a uniform distribution of rainfall over a 24 hour period.

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An evaluation of the proposed ditch configuration (see typical ditch referenced on drawing A) shows that a typical ditch would be feathered to daylight at the upper end and attain a design flow of 1.02 feet at the outlet end. The ditch configurations purposed by Valley Camp have been determined to be capable of handling the peak flows estimated by the Division. Based on this evaluation the Division hereby approves the diversion reconstruction designs proposed by Valley Camp to abate violation N85-2-3-2.

If you have any questions please call me or Tom Suchoski of the Division staff.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

TJS:jvb
cc: R. Hagen
A. Klein
L. Braxton
J. Helfrich
S. Pruitt
T. Suchoski
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