



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

September 12, 1984

Mr. Trevor Whiteside
Chief Engineer
Valley Camp of Utah, Inc.
Scofield Route
Helper, Utah 84526

Dear Mr. Whiteside:

RE: NOV N84-7-6-1 Abatement Measures, Belina Mine, Valley Camp of Utah, ACT/007/001, Folder No. 2, Carbon County, Utah

The Division's Technical Staff has completed a review of the abatement plans for NOV N84-7-6-1 submitted to the Division on August 28, 1984. In general the Division finds the plans to be acceptable but requires some clarification and commitments on several points.

Your discussion regarding the oversizing of Sediment Pond No. 4 is correct; it is oversized for a total containment pond. However, the total volume that you propose is not correct either. In the calculations, which you presented to Mr. Suchoski when he visited with you on September 5, 1984, you applied the 27.5 acres of disturbed area to both the runoff volume and the sediment volume calculations. While the sediment volume calculations are correct, the total area contributing to the pond, from both disturbed and undisturbed areas, must be used in the runoff volume calculations. From Figure 3-2 "Belina Mine Area - Drainage Areas" of the Golder Report, the total area draining to Sediment Pond No. 4 is approximately 36.0 acres. Using your equations, the runoff volume should be 4.47 acre-feet ((1.489 inches runoff X 36 acres)/12 inches). Combining this with the sediment volume from the disturbed area (2.75 AC-FT) yields a total volume of 7.22 acre-ft.

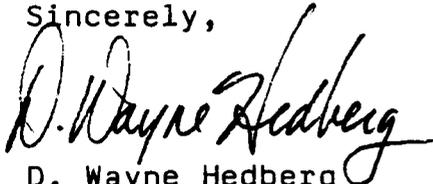
1. Valley Camp must provide a commitment to clean the pond, such that the minimum volume of combined sediment and runoff storage is 7.22 Ac-Ft.

Page 2
Mr. Trevor Whiteside
September 11, 1984

2. Valley Camp must sample the sediment removed from the pond to determine if any acid or toxic materials are contained. If no such materials are found Valley Camp may want to consider using these sediments as substitute topsoil for revegetation materials.
3. Valley Camp must provide a plan for final disposal and reclamation of the sediments removed from the pond(s) or an approved plan for proper disposal of the same (in accordance with State Health Standards and recommendations).
4. If cleanout roads are planned to remain, then consequential loss of pond volume may occur. Valley Camp must determine by calculation:
 - a. What volume of the pond will the access roads occupy?
 - b. If roads will affect adequate pond design to any degree, how will Valley Camp correct pond design?

Valley Camp must submit the required information and commitments by September 30, 1984. If you have any questions, please call, Tom Suchoski, Tom Portle or myself.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

TJS:jvb
98500-22

cc: A. Klein, OSM
R. Hagen, OSM
S. McNeal, State Health
R. Harden
J. Helfrich
T. Portle
T. Suchoski
K. Wyatt