STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

May 18, 1983

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

RE: Sediment Pond #3 Modification
at Valley Camp's Belina
Complex
ACT/007/001
Folder No. 3
Carbon County, Utah

Dear Mr. Whiteside:

Enclosed you will find the Division's comments on the proposed sediment pond modification. In addition the following stipulation will need to be concurred with prior to final approval:

Stipulation 5-17-83-1-EH

If soil is not used for reclamation purposes by the end of October, 1983 measures must be taken to establish a permanent topsoil stockpile.

Please provide the Division with your earliest possible completed response to facilitate an approval and eliminate potential time delays. As always, if there are any questions please contact Shannon Storrud or myself.

Sincerely,

THOMAS N. TETTING
ENGINEERING/GEOLOGIST

TNT/lm

cc: Robert Burns, Centennial Engineering, Inc.
Sarah Bransom, OSM, Denver
Everett Hooper, DOGM
Dave Lof, DOGM
Shannon Storrud, DOGM

Valley Camp Modification to Sedimentation Pond #3

I. A map must be provided depicting the following:

1. The proposed modification area boundaries including drainage area contributing to modified sedimet pond #3. Approval will be granted for this area only and not for adjacent areas and associated drainage control.

2. The area adjacent to the modification area in sufficient detail to insure adjacent drainage patterns are away from the modification area. Include locations of all ditches and berms as needed to depict these patterns.

3. All drainage basins (with topographic contours) draining to the modified pond #3. This should include the area of the old pond and the area east and upslope of modified pond.

II. Clarification of the compliance report is needed. The plan proposes two drainage patterns with one plan diverting WS #8 and the other draining this area to the pond. Which was incorporated? If WS #8 is diverted, the sizing calculations and construction details for the culvert are required [i.e. peak flow calculation and assumptions, size of culvert (36"?), inlet type exit velocity, rip-rap sizing and placement, etc.]. Additionally, any diversions and ditches used to control drainage to the pond or from undisturbed areas must have plans that comply with 817.43 and 784.22 (essentially cross-sections of the diversions).

III. The applicant must supply sizing caluclations and drainage areas draining to the existing 24" CMP under the loadout supply belt and additional areas draining to proposed 24" CMP across new pad. Velocity calculations and assumptions used in determination of riprap sizing must be included.

IV. Plans depicting the direction of drainage and ultimate means of treatment for slope west of new pad created by filling in sediment pond #3 must be provided. Additionally, plans should include the direction of drainage off this new pad. The Division recommends the pad be inclined slightly to insure drainage flows to the northeast of the proposed 24" CMP inlet or ditches be constructed to direct drainage to the sediment pond for treatment. Include sizing caluclations for any ditches proposed as part of this plan.

V. Plans for the sediment pond must include cross-sections of the embankment and pond as required under 784.16 (a)(i)(ii).

VI. Clarification of the pond outlet conditions and the existing 24" CMP which crosses Highway 96 inlet is needed. What is the headwall for the design storm at this culvert? Will this ponding condition create outlet

control flow conditions for the pond discharge culverts? If so, calculations must be submitted showing the 24 year, 25 hour event will be safely passed under these conditions. The Division recommends relocation of the pond discharge structures, if possible, to avoid this problem.

VII. As required by 827.46 (m), the combined embankment slopes must be not less than 1:5 with neither slope steeper than 1:2. Preliminary calculations by the Division show the inside slope to be 1V:1.83h and the outslope to be 1V:2.71h, therefore these slopes are not in compliance.

VIII. As required by 817.45 (s), plans for revegetation and stabilization of the pond embankment and other areas disturbed by construction must be submitted.

IX. Approval for this modification will not include approval for reclamation and pond removal. These plans will need to be included in the overall reclamation chapter (784.13 - .16) of the Mine Reclamation Plan (MRP) for review and approval at a later date. This will logically be done during the upcoming permit review for the entire area.

X. The Division recommends that anti-seep collars be designed for and placed on the discharge structures of the modified pond. Please submit plans showing the size of collars and the proposed spacing.

XI. Please provide the Division with a copy of the seed mix to be used as well as the rate of application in terms of Pure Live Seed (PLS).