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ACT/007/001

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June 1, 1979

Mr. Trevor Whiteside
Valley Camp of Utah, Inc.
P.O. Box 507
Clear Creek, Utah 84517

RE: "Office of Surface Mining Compliance
Survey in the Clear Creek, Utah Area"

Dear Trevor:

The Division staff has reviewed the "Office of Surface Mining Reclamation and Enforcement Compliance Survey in the Clear Creek, Utah Area" prepared by Vaughn Hansen Associates and offers the following comments.

<u>Comment No.</u>	<u>Page</u>	<u>Comment</u>
1.	26	Valley Camp does not need to remove topsoil from beneath the proposed conveyor. Removal of topsoil would cause a severe sediment production problem. However, the disturbed areas must be revegetated.
2.	26	Topsoil must be removed from the sewage treatment plant.
3.	26	Topsoil stockpiles must drain into sediment control structures - ponds.
4.	33	Additional culverts may be required as determined by the regulatory authority, if water velocity cause undue erosion between those culverts which Valley Camp proposes.

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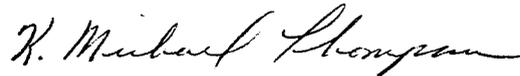
<u>Comment No.</u>	<u>Page</u>	<u>Comment</u>
5.	36	Sediment control structures are not necessarily required for all culverts. Upstream sediment control practices and downstream energy dissipators are preferred to in-channel check dams. If the in-stream check dams are used, sediment stabilization procedures such as seeding should be included in the design.
6.	39	Culvert number 7 need not be designed to pass the 100 year storm; the final regulations no longer require this. Design based on the ten year storm is sufficient.
7.	52	All earth berms should be seeded.
8.	52	Grading of the yard may be preferable to ditching to provide drainage.
9.	53	As the 25 year - 6 hour storm yields a larger peak, than the 25 year - 24 hour storm, that is more presentative of local conditions, the 25 year - 6 hour storm should be used in determining culvert size. If ditches are still to be used, the 25 year - 6 hour storm should be used to design the ditch sizing.
10.	57	The yard embankment is not included in determining the height of the sediment pond embankment.
11.	57	The use of the 25 year - 6 hour storm to design and size the spillway structure is required.
12.	57	Pond discharge requires an N.P.D.E.S. permit. Sediment disposal plans and specifications on oil and grease skimmer for dewatering devise are also required.

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13.	64	Surface and groundwater monitoring programs should address specific localized areas and regional analysis. Sampling program should include Parameters, Maganese (total), and Iron (total and dissolved).
14.	67	Seeding of disturbed areas, where possible, should be done this fall. However, the use of seedlings is strongly suggested. These should be transplanted in the spring - summer period.

I hope these comments are of some use to you in your final design.

Sincerely,



K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

KMT/te

cc: Richard B. White, Vaughn Hansen Associates