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Boulder City, County Health Dept.

August 25, 1975

Mr. Charles Fountain  
c/o A. M. Kinney  
333 West Hampden Avenue  
Englewood, Colorado 80110

Re: Holding Pond Requirements for the Allied  
Chemical Company, Boulder County

Dear Mr. Fountain:

As per our recent telephone conversation on our requirements for the design of a wastewater equalization-holding pond for the Allied Chemical plant prior to discharge to the City of Boulder's sewer, you should consider the following items:

1. The pond shall be totally sealed so that there is zero seepage loss from the pond. This will require installation of an impervious liner in the pond.
2. The pond shall be located out of, or protection provided, from the 100 year flood plain.
3. Should there be deposition of solids in the pond, provision shall be made to either physically remove the solids from the pond bottom or resuspend the solids prior to discharge to the sewer.
4. The sizing and detention time provided by the pond will be dependent upon the nature of the wastewater stream; however, a minimum freeboard of 2 ft. should be provided.
5. Should there be an organic demand exerted by the wastewater, while being held in the pond, mechanical aeration will be needed to keep the wastewater fresh and eliminate any odor problems.

We hope this information will assist you in the design of this facility.

Very truly yours,

BOR DIRECTOR, WATER QUALITY CONTROL DIVISION

*D. E. Lang*  
Derald E. Lang, P.E.  
District Engineer

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Mr. Charles Fountain  
August 25, 1975  
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cc: City of Boulder  
Attn: Mr. Doug Smith

Director  
Boulder City-County Health Department  
Attn: Mr. Donald Marmande, Director  
Division of Environmental Health