



Environmental Consulting • Operations Management • Analytical/Toxicology Laboratories

Stover & Associates, Inc.

Stover Biometric Laboratories, Inc.

June 25, 1997

Mr. Dan Ward
IMR Corporation
5026 E. Admiral Pl.
Tulsa, OK 74115-8408

Re: Results of toxicity evaluation of test materials Aqua-Treat 318™ and Aqua-Aid

Dear Dan,

Toxicity testing of the wastewater treatment compound Aqua-Treat 318™ provided by IMR was completed June 4, 1997. The 7-day chronic toxicity tests were performed to determine the potential toxicity of the test material to the standard freshwater toxicity test organisms, *Ceriodaphnia dubia* and *Pimephales promelas*. The tests were conducted as a tool to determine the NOEC (No Observed Effect Concentration) and LOEC (Lowest Observed Effect Concentration) values for survival, growth, and reproduction of the test organisms. The tests were conducted in accordance with the methods described in EPA/600/4-91-002, "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms". The toxicity test results indicated NOEC values of >500 mg/L for *C. dubia* survival and reproduction as well as *P. promelas* survival and growth. Aqua-Treat 318™ did not induce any toxicity to either species at the highest concentration of 500 mg/L.

I have attached the statistical data for you review. If you have any questions, please do not hesitate to contact either Dr. Doug Fort or me at (405) 743-1435, (405) 743-1489 (fax), or djfort2@aol.com (e-mail).

Sincerely,

Micheal Copenhaver
Project Scientist
THE STOVE GROUP

Attachments