

October 25, 1996

Mr. Lee Dunbar  
DEP/Water Management Division  
Aquatic Toxicity  
79 Elm Street  
Hartford, CT 06106

302  
Re: ~~Fourth~~ Quarter ATMR

Dear Mr. Dunbar:

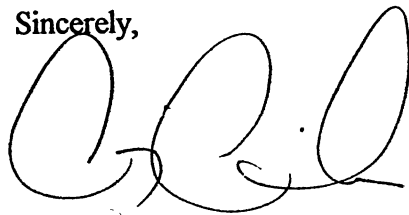
Enclosed is the third quarter Aquatic Toxicity Monitoring Report (ATMR) report for the AlliedSignal Stratford Army Engine Plant (SAEP) Discharge Serial Numbers (DSN) 007 and 008. The facility is located at 550 Main Street, Stratford, CT. The facility's National Pollution Discharge Elimination System (NPDES) permit number is CT0002984.

the DSN 008 sample passed with a 100 percent survival rate for both species. The DSN 007 sample failed with an acute survival rate of 30 percent for the test species Mysidopsis bahia; however, Cyprinodon variegatus had a 100 percent survival rate in the DSN 007 sample. As with past failures, review of the chemistry results for the third quarter ATMR sample indicated no obvious toxicant that could be causing the mortality. A comparison of the chemistry results of the failed assay with the past three years of assays that passed show no changes that could indicate a specific parameter that could be responsible for the recent test failures.

As stated in SAEP's August 13, 1996 letter, both the second quarter ATMR and the mandatory retest failed the ATMR. Based upon these past failures, a Toxicity Identification Evaluation (TIE) was initiated (using M. bahia only, with CT DEP concurrence) to determine the source of the toxicity. Samples for this TIE were collected on August 13, 20, and 27 and on September 4, 1996. The sample collection, analysis and report for this TIE has recently been completed by New England Bioassay, Inc. of Manchester, Connecticut. As discussed in a recent telephone conversation with Mr. R. Keith Knauerhase of my staff, a copy of this TIE along with an analysis of the potential source and cause of the toxicity and a description of planned corrective measures (source controls, additional treatment, etc.) will be sent to you no later than November 15.

Please do not hesitate to contact either myself at (203)385-3741 or R. Keith Knauerhase at (203)385-5124 if you have any questions regarding this information.

Sincerely,



Craig Cunningham

Team Leader

Enclosures:

347-7686