

January 15, 1997

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

Re: Fourth Quarter ATMR

Dear Mr. Dunbar:

Enclosed is the 1996 fourth quarter (samples collected December 18 and 19, 1996) Aquatic Toxicity Monitoring Report (ATMR) for the AlliedSignal Stratford Army Plant's (AlliedSignal) Discharge Serial Numbers (DSN) 007 and 008. The facility is located at 550 Main Street, Stratford, Connecticut. The National Pollution Discharge Elimination System Permit Number for the facility is CT0002984.

For the fourth quarter, both DSN 007 and 008 passed all the aquatic toxicity tests with 100 percent survival rates. During the second and third quarter of 1996, DSN 007 intermittently failed the quarterly ATMRs and subsequent retests for *Mysidopsis bahia*. Based upon these failures, a Toxic Identification Evaluation (TIE) was performed to determine the cause of the toxicity from DSN 007 (details of this TIE can be found in the SAEP November 15, 1996 letter addressed to you). As a result of the TIE, several remedial actions were performed and additional investigations were proposed. These actions and investigations included:

- Redesign of the scrap yard located in the drainage area served by DSN 007, including the installation of an oil/water separator to pre-treat water prior to discharge to the oil abatement plant for further treatment;
- Enhancement of chemical treatment of effluent at the oil abatement plant prior to discharge, including adjustments in treatment chemical flow rates;
- Redesign and up-grade of certain catch basins within the drainage area for DSN 007 to increase total suspended solid (TSS) removal capabilities;
- Discharge of boiler blowdown water to the sanitary sewer rather than through DSN 007, as requested as a condition of NPDES permit renewal; and
- Investigation of the need to clean pump house sumps.

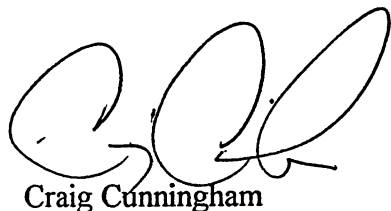
A complete description of these additional investigations/remedial actions can be found in the November 15, 1996 letter described above.

Lee Dunbar
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To date, SAEP has enhanced treatment of effluent at the oil abatement plant prior to discharge. SAEP is in the process of completing the construction of the new scrap yard and oil/water separator (construction of this project was initiated in November, 1996). SAEP has prepared new designs for specific catch basins and has completed designs to direct boiler blow down to the sanitary sewer. Construction of these two projects should be completed by the end of the first quarter of 1997. Based upon these recent Aquatic Toxicity results, it appears that the remedial actions proposed in November to reduce toxicity at DSN 007 are effective. SAEP will carefully review ATMRs for the next two quarters to ensure that these remedial actions continue to reduce toxicity at DSN 007.

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,

A handwritten signature in black ink, appearing to read 'C. Cunningham', with a stylized flourish at the end.

Craig Cunningham

Team Leader

Enclosure