



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

N00129.AR.000319
NSB NEW LONDON
5090.3a

March 7, 1995

Mark Evans, Remedial Project Manager
U.S. Department of the Navy
Naval Facilities Engineering Command
Northern Division
10 Industrial Highway
Code 1823, Mail Stop 82
Lester, PA 19113-2090

Re: Sediment testing in the Thames River

Dear Mr. Evans:

As discussed at our meeting on January 30, 1995, I am writing to you concerning the forthcoming ecological sampling in the Thames River. In my letter to you dated December 22, 1994, EPA recommend a minimum of six sample locations for the amphipod toxicity tests with *Ampelisca abdita* and *Leptocheirus plumulosus*. Upon further investigation, EPA now recommends fourteen sample locations.

Five sample locations are similar to the stations used by Charles Menzie in his memorandum to Matt Cochran dated November 9, 1994. They are as follows: T3SD4 (East shore at DRMO); T3SD3 (East shore at stream outlet); T4SD2 (Pier line at Lower Base); T3SD1 (East shore off Goss Cove); and inside Goss Cove at 8SW/SD3. Since T1SD2 exhibited chlordane contamination, a sample near Cow Point may be a more suitable upgradient location. Also, we would prefer a sample near Bailey Point as a downgradient location instead of T2SD1.

Owing to several potential source areas along the western boundary of the Naval Submarine Base, EPA recommends that seven additional samples be taken in the Thames River near Pier 33, Berth 16, the Fuel and Power Plant Oil tanks, Hazardous Materials Storage near Building 31, the Waste Oil Pit near Building 79, Solvent Storage Area near Building 316, and the Central Paint Accumulation Area near Building 174.

As discussed during our conference call on March 1, 1995, such toxicity tests should be accompanied by sediment chemistry and grain size analysis. Total organic carbon should be included in the analyte list so that bioavailability can be estimated.



I look forward to working with you to identify more precise sample locations. Please do not hesitate to contact me at (617) 573-5777 or Patti Tyler at (617) 860-4342 should you have any questions or wish to arrange a meeting.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kimberlee Keckler', written over a horizontal line.

Kimberlee Keckler, Remedial Project Manager
Federal Facilities Superfund Section

cc: Mark Lewis, CT DEP, Hartford, CT
Andy Stackpole, NSBNL, Groton, CT
Dan Winograd, USEPA, Boston, MA
Patti Tyler, USEPA, Boston, MA
David Guest, USEPA, Boston, MA
Phil Colaruso, USEPA, Boston, MA
Dale Weiss, TRC, Lowell, MA
Corey Rich, HNUS, Pittsburgh, PA
Ken Finkelstein, NOAA, Boston, MA