



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

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

July 15, 1993

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

RE: Phase II Remedial Investigation (RI) Work Plan for the Naval Submarine Base New London (NSBNL) - Quality Assurance Manual for Southwest Laboratory of Oklahoma, Inc., July 22, 1992

Dear Mr. Miu:

Per your June 10, 1993 request, EPA's Office of Quality Assurance has reviewed the above referenced document and offers the following recommendations:

General Comments

The Manual should include a listing of all analytical methods for which the laboratory has capability to perform. Not all analytical procedures required for investigations conducted at NSBNL are contained in the Manual. For example, reference or procedures for TCLP determinations needs to be provided in addition to procedures for the determination of salinity, and cation exchange capacity.

Specific Comments

- Page 2-2 to 2-3, Section 2.3, Aqueous Samples

For volatile samples the text should indicate that pH should be adjusted to <2 with HCl and that pH must be confirmed by use of a third vial for which the sample pH will be tested with pH paper.

For total dissolved solids the text should indicate that samples will be filtered in the field through a 0.45 micron filter immediately after collection. The filtered sample should then be preserved immediately after filtration with nitric acid to pH <2.

*Reb July 21, 93.*



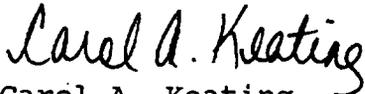
- Page 2-2 to 2-3, Section 2.4, Replicate/Duplicate Sampling

For VOA soil and sediment samples, the text should state that when a 4 oz. sample container is used, it must be made of borosilicate glass and the manufacturer/supplier should be identified. Otherwise, two 40 ml. vials should be used.

Also, the text should indicate that sediment samples must contain >30% solids to be acceptable for analysis.

Should you have any questions or comments with regard to the above, please feel free to contact Paul Marchessault at (617) 573-5793.

Sincerely,



Carol A. Keating  
Remedial Project Manager  
Federal Facilities Superfund Section

cc: William Mansfield, NSBNL  
Charles Porfert, EPA ESD  
Adam Sullivan, CTDEP