



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 1  
1 CONGRESS STREET, SUITE 1100  
BOSTON, MASSACHUSETTS 02114-2023

January 10, 2002

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: Round 13 Groundwater Monitoring Report for the Defense Reutilization and Marketing Office at the Naval Submarine Base New London in Groton, CT

Dear Mr. Evans:

EPA reviewed the *Round 13 Groundwater Monitoring Report for Defense Reutilization and Marketing Office*, dated December 2001, with particular attention to conformance with the Groundwater Monitoring Plan [1], the execution of the sampling round, the completeness of the documentation, and any indications of unexpected trends in contaminant concentrations. The report provides a brief overview of the site, a description of field activities involved in the thirteenth round of monitoring, and results of sampling and analysis from sampling performed in September 2001. Detailed comments are provided in Attachment A.

The Groundwater Monitoring Report (GMR) provides a complete record of data collected in Round 13; water levels (Appendix C), field parameters (Appendix E), and the laboratory data sheets (Appendix G) are included. However, calibration sheets are not present for equipment/probes used to measure dissolved oxygen, oxidation reduction potential or salinity.

Detections of contaminants in exceedance of monitoring criteria continue to be sporadic. No exceedances of the primary monitoring criteria were found. It should be noted that a few parameters (bis(2-ethylhexyl)phthalate) and copper) were detected at higher levels and / or frequencies than has been observed in recent rounds. A brief summary and discussion of exceedances follows:

- ▶ Bis(2-ethylhexyl)phthalate exceeded the secondary criterion (5.9 µg/L) in six wells: 6MW1S (130 µg/L), 6MW2S (21 mg/L), 6MW2D (53 µg/L), 6MW10D (45 µg/L), 6MW11S (66 µg/L) and 6MW11D (76 µg/L).
- ▶ Copper exceeded the secondary criterion (2.4 µg/L) in eight wells: 6MW1S (9.8 µg/L), 6MW6S (4.8 J µg/L), 6MW6S-Field Duplicate (4 J µg/L), 6MW6D (3.2 J µg/L), 6MW9S

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(7.7 µg/L), 6MW10S (3.3 J µg/L), 6MW10D (5.5 J µg/L), 6MW11S (5.4 µg/L) and 6MW11D (9.5 µg/L).

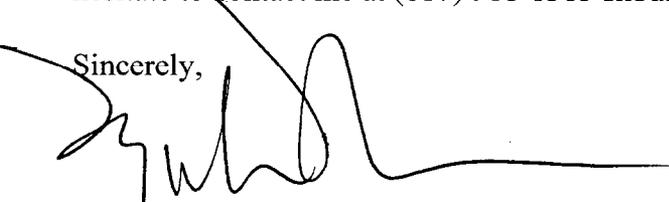
- ▶ Silver exceeded the secondary criterion (1.9 µg/L) in one well: 6MW11D (2.5 J µg/L).
- ▶ Zinc exceeded the secondary monitoring criterion (81 µg/L) in three wells: 6MW9S (133 µg/L), 6MW10D (278 ug/L) and 6MW11S (81.2 µg/L).

The VOC cis-1,2-dichloroethene was detected in 5 wells at concentrations close to the method reporting limit. There are no monitoring criteria established for this chemical.

Barium was also detected in all of the wells at various concentrations. There are no monitoring criteria established for this chemical.

I look forward to working with you and the Connecticut Department of Environmental Protection to complete the remedial action at the Defense Reutilization and Marketing Office. Please do not hesitate to contact me at (617) 918-1385 should you have any questions.

Sincerely,



Kymberlee Keckler, Remedial Project Manager  
Federal Facilities Superfund Section

Attachment

cc: Mark Lewis, CTDEP, Hartford, CT  
Dick Conant, NSBNL, Groton, CT  
Jennifer Stump, Gannett Fleming, Harrisburg, PA

## ATTACHMENT A

<u>Page</u>	<u>Comment</u>
Appendix D	Calibration sheets are not present for equipment/probes used to measure dissolved oxygen, oxidation reduction potential or salinity. Please include the appropriate calibration sheets or indicate the methods used if instruments were not used for the measurements in the annual report.
Appendix E	The groundwater sample log sheets indicate that some wells differed in the sample volumes collected for metals and SVOC analyses. The chain of custodies provided in Appendix F do not always agree with the volumes indicated on the sample log sheets. Please clarify the discrepancies and explain why some wells differed in the sample volume collected. This explanation should be included in the annual report.

### REFERENCE

Brown and Root Environmental, *Groundwater Monitoring Plan for Defense Reutilization and Marketing Office, Naval Submarine Base, New London, Groton, Connecticut*, February 1998.