DEPARTMENT OF THE NAVY
NORTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
10 INDUSTRIAL HIGHWAY
MAIL STOP, #82
LESTER, PA 19113-2090

IN REPLY REFER TO
5090
Code 1823/FE

04 JAN 2000

Ms. Meghan Cassidy
U.S. Environmental Protection Agency
Region I (Mail Code HBT)
1 Congress Street
Suite 1100
Boston, MA 02114-2023

Mr. Iver McLeod
Maine Department of Environmental Protection
State House Station 17
Augusta, ME 04333-0017

Dear Ms. Cassidy/Mr. McLeod:

SUBJECT: INTERIM OFFSHORE MONITORING PLAN FOR THE INSTALLATION RESTORATION PROGRAM AT PORTSMOUTH NAVAL SHIPYARD, KITTERY, ME

As stated in the last paragraph of Section 5.1.1, Sediment Sample Collection, of the Interim Offshore Monitoring Plan for Operable Unit 4 (October 1999) "porewater samples will be extracted from sediment by a pressurized extraction device." The porewater extraction procedure is covered under TAMU SOP F10.9, Extraction and Storage of Porewater Samples submitted to the EPA and MEDEP on July 22, 1999. However, following centrifugation of the porewater samples as specified in SOP F10.9:

- Porewater samples for toxicity testing will be frozen as suggested in Section 11.2 of ASTM E1391-94[1] and supported by two additional attached articles (Carr *et al.* 1996[2] and Carr and Chapman 1995[3]) to limit the change in porewater toxicity, and

- Porewater samples for trace level metals analysis will be centrifuged a second time and then filtered through a 0.2 um pore size membrane filter. As suggested in Section 11.3 of ASTM E1391-94[1] the use of a 0.2 um pore size membrane filter has produced results that were more comparable for dissolved metals and organic carbon.

Enclosed are copies of ASTM E1392-94, *Standard Guide for Collection, Storage, Characterization, and Manipulation of Sediments for Toxicological Testing; Comparison of Methods for Conducting Marine and Estuarine Sediment Porewater Toxicity Tests-Extraction, Storage,*

SUBJECT: POREWATER EXTRACTION AND HANDLING METHODS FOR THE INSTALLATION RESTORATION PROGRAM AT PORTSMOUTH NAVAL SHIPYARD, KITTERY, ME

and Handling Techniques; and Sediment Quality Assessment Studies of Tampa Bay for your information and use.

If additional information is required please contact me at (610) 595-0567 x-159.

For the Community Restoration Advisory Board (RAB) members; if you have any comments or questions on these issues, they can be provided to the Navy at a RAB meeting, by calling the Public Affairs Office at (207) 438-1140 or by writing to:

Portsmouth Naval Shipyard
Code 106.3R Bldg 44
Attn Marty Raymond
Portsmouth, NH 03804-5000

Sincerely,

Frederick J. Evans
Remedial Project Manager
By Direction of the
Commanding Officer

Copy to:

NOAA (K. Finkelstein)	USFWS (K. Munney)	MEDMR (D. Card)
NHFG (C. McBane)	Mr. Doug Bogen	Mr. Jeff Clifford
Ms. Michele Dionne	Ms. Eileen Foley	Ms. Mary Marshall
Mr. Phil McCarthy	Mr. Jack McKenna	Ms. Mary Menconi
Mr. Onil Roy	Ms. Johanna Lyons	Dr. Roger Wells
Ms. Carolyn Lepage	PNS Code 100PAO	COMSUBGRU TWO (R. Jones)
PNS (Code 106.3R)	TtNUS (L. Klink, D. Cohen)	

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[1] *American Society of Testing and Materials* (ASTM 1994) Standard Guide for Collection, Storage, Characterization, and Manipulation of Sediments for Toxicological Testing. ASTM document designation E 1391-94. ASTM, Philadelphia.

[2] Carr RS, Long ED, Windom HL, Chapman DC, Thursby G, Sloane GM, Wolfe DA. Sediment Quality Assessment Studies of Tampa Bay, Florida. Environmental Toxicology and Chemistry 15: 1218-1231.

[3] Carr RS, Chapman DC. Comparision of Methods for Conducting Marine and Estuarine Sediment Porewater Toxicity Tests - Extractions, Storage, and Handling Techniques. Archives of Environmental Contamination and Toxicology 28:69-77 (1995).