



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
Ser 2283/1823/JMC

OCT 24 1994

MEMORANDUM

FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC), CERCLA
REMEDIAL ACTION PROGRAM, PORTSMOUTH NAVAL SHIPYARD, KITTERY,
MAINE

Thank you all for participating in the recent TRC meeting, your time and efforts are appreciated. Enclosed are the minutes from that September 21, 1994 Technical Review Committee (TRC) meeting. No date was set for the next TRC meeting, however once a date is scheduled an agenda will be mailed to everyone. The public workshop which had been tentatively scheduled for October 18 is currently postponed while we work with MEDEP to evaluate the Off-Shore Human Health Risk Assessment.

If anyone has any questions, comments or additions please contact me at (610) 595-0567 (extension 117).

Sincerely,

Jim Conroy

JAMES M. CONROY, PE

LT, CEC, USN

Remedial Project Manager

By direction of the Commanding Officer

Encl: TRC Meeting Minutes

Distribution:

TECHNICAL REVIEW COMMITTEE MEMBERS

Portsmouth Naval Shipyard (Code 120,121,121.5,122.4, 121.10)
EPA Region I (E. Waterman)
MEDEP (N. Beardsley)
NOAA (K. Finkelstein)
MEDMR (B. Sterl)
USFWS (K. Carr)
Onil Roy (Town of Kittery)
Phil McCarthy (Town of Kittery)
Eileen Foley (Town of Portsmouth)
Jeff Clifford (Town of Kittery)
John Nelson (NH Fish & Game)
Portsmouth Naval Shipyard (Code 910,106)
Portsmouth Medical Clinic (CDR Longstaff)
NEHAC Detachment Portsmouth (CAPT Pessoney)
NCCOSC (R. Johnston)
UNH-JEL (L. Ward)
Halliburton NUS (L. Klink)
COMSUBGRU TWO (B. Jones)
ATSDR EPA REGION I (L. House)
NEHC (C. Grosse)
Portsmouth Naval Shipyard (870)

MEETING MINUTES

**Technical Review Committee (TRC) Meeting
Portsmouth Naval Shipyard**

PURPOSE: The TRC meeting was held to present the results of the off-shore human health risk assessment and ecological media protection standards. This was done in an effort to solicit input from TRC members as to their suggestions to improve the presentations for the upcoming public workshop.

LOCATION: Portsmouth Naval Shipyard
Museum and Visitors' Center
Kittery, Maine

DATE: September 21, 1994

Prepared by: LT Jim Conroy
Remedial Project Manager

ATTENDEES:

Community/Public Representatives

Phil McCarthy, Town of Kittery

USEPA Region I

Ernest Waterman, Project Manager

Agency for Toxic Substances and Disease Registry

Louise House

Maine Department of Environmental Protection

Nancy Beardsley, Project Manager
Troy Smith, Project Geologist
Richard Heath, Project Geologist
Harrison Bispham, Project Engineer

Maine Department of Marine Resources

Brad Sterl

New Hampshire Dept of Public Health and Safety

John Dreisig

Portsmouth Naval Shipyard

Ken Plaisted, Environmental Affairs
Jim Tayon, Environmental Affairs
Fran Endyke, Environmental Affairs
Mary Anne Mascianica, Public Affairs

University of New Hampshire

Larry Ward

U.S. Navy, Regional Environmental Coordinator

Stacy Gent

Navy Environmental Health Center

Charles Grosse
David McConaughy

Naval Facilities Engineering Command, Northern Division

LT Jim Conroy, Project Manager
Mark Leipert, Technical Manager
Franco LaGreca, Installation Restoration Section
Simeon Hahn, Biological Sciences
Shannon Behr, Biological Sciences

E. Mahoney, Associates

Eileen Mahoney

**U.S. Navy, Naval Command, Control, and Oceanographic Surveillance
Center, Research and Development Division**

Bob Johnston

BACKGROUND:

The TRC meeting was held to present the results of the off-shore human health risk assessment and ecological media protection standards to the TRC members and others. This was done in an effort to solicit input from TRC members as to their suggestions to improve the presentations for the upcoming public workshop.

SUMMARY:

The meeting was opened by LT Jim Conroy at approximately 9:45 a.m. with a discussion of the agenda. After a Restoration Advisory Board update by Jim Tayon the presentation developed for the public workshop was presented followed by a discussion period.

Mr. Tayon gave a brief update on the transition of the TRC to a Restoration Advisory Board (RAB). The Selection Panel made up of the community members of the TRC, had solicited for additional community members to increase community outreach. The deadline for interest was September 26, 1994.

Lt Conroy then gave the introduction to the Off-Shore presentations. Eileen Mahoney presented the results of the Off-Shore human health risk assessment and Bob Johnston presented the Off-Shore ecological based media protection standards.

Eileen Mahoney's presentation centered around (1) the impacts to human health based on the results of off-shore sampling of biota, water and sediment, (2) identifying those media needing remediation to be protective of human health and (3) providing a basis for risk based media protection standards.

Bob Johnston's presentation provided an overview of the procedures used to establish ecological based media protection standards for the estuary. The ecological risk framework used as a basis to evaluate the estuary was presented followed by the exposure and effects screening procedures and the methodology used to establish media protection levels.

DISCUSSION:

Following the presentations all persons present were asked for comments.

Richard Heath (MEDEP) felt Bob Johnston's presentation was too technical for a public workshop.

Stacy Gent (Navy REC) thought actual contaminant levels should be compared to FDA levels.

Ernest Waterman (EPA) thought there was much missing content:

- the ecological effects were not coming across loud enough
- what does exceedance mean?
- what is being done about the problem?
- where are the contaminants coming from? (The shipyard could acknowledge its part in lead from DRMO but no known source has been identified for others).
- FDA levels need to be explained by an authority.
- concerned about using FDA for comparison.
- suggested an additional presenter to set the stage and to finish with where we go from here.

Nancy Beardsley (MEDEP) did not think that it was appropriate to discuss contributions of contaminants from other parties because not enough information exists to prove who might be at fault. Also, comparing risk assessment results to FDA levels is incorrect because of the different procedures used to develop them (like comparing apples and oranges). Recommended further breakdown in the risk numbers (actual numbers versus statement of exceedance) and let Maine/N.H. answer the safe to eat question.

Nancy Beardsley also stated that the Maine Bureau of Health staff was reviewing the risk assessment to address any potential need for a health advisory and would participate in the public workshop. These efforts would be coordinated with New Hampshire health officials.

Louise House (ATSDR) was concerned about the differences in the procedures used by various agencies to perform risk assessments and that comparing levels developed by FDA might not be appropriate.

John Dreisig (NHDPHS) commented that the existing shell fish ban should be mentioned, including the lobster advisory in Upper Great Bay. John also was concerned about using FDA levels for risk comparison purposes because FDA assumes consuming fish from various sources, not all contaminated. FDA levels are set for interstate commerce purposes. Also, arsenic appears to be naturally occurring and should be explained.

Brad Sterl (Maine DMR) answered the question raised about the reason for the shell fish ban (fecal coliform). He also stated that citizens are concerned with accumulation of contaminants over time and they want to know if certain areas containing higher levels could be designated. Also, we should explain that the river is getting cleaner because of better environmental controls than in the past (industries, erosion, run-off, agriculture, sewage treatment, etc.).

Phil McCarthy (Kittery) suggested that the presentation should emphasize that what was presented was part of a continuing process (here is where we are now and these are the next steps). You want people to leave the presentation with a comfort level to know that everything is being looked at and that we're still working. Also, if eating the fish is the main issue of the workshop then perhaps start with the FDA comparison and then the results of the risk assessment followed by explaining what the next step would be. He also questioned if a change in terminology to allowable versus acceptable might be more understandable.

Ernest Waterman (EPA) suggested not using the FDA levels for risk comparison but explain that the state public health personnel were evaluating the information and would make recommendations. Even though arsenic may be naturally occurring it still contributes to total risk and must be kept in the risk assessment.

Eileen Mahoney stated that the FDA levels were valuable to present to the public to put the concentrations in perspective and the FDA levels are law.

Simeon Hahn (NORTHDIV) recommended that Eileen's presentation be before Bob's and that Bob's address the general health of the biota in the estuary. Suggested developing a fact sheet on arsenic. Also questioned the risk assessment methodologies and felt that a health agency would consider additional factors or use other assumptions as a basis for a health advisory. (Ernest Waterman responded that the methodology may be conservative in some areas but that may compensate for uncertainty in other areas resulting in an a risk value appropriate to use.)

Harrison Bispham (MEDEP) recommended not changing the presentations very much and questioned whether enough information was available to evaluate cleanup alternatives.

Franco LaGreca (NORTHDIV) thought that Bob Johnston's presentation was too technical and that the public would not be satisfied (what happens next, what will be done about the higher levels, what is the big picture??)

Charles Grosse (NEHC) suggested that perhaps the incremental risk associated with contaminants be determined.

Troy Smith (MEDEP) considered performing a risk assessment for the control stations to compare to the risk around the shipyard.

The meeting ended by setting October 18 (20 as a backup) as the date for the public workshop. Subsequently the workshop has been postponed approximately a month to allow Maine health officials time to review the information and make a decision on the necessity for a health advisory. The postponement will allow the State of Maine Bureau of Health to make a more definitive statement but they were also willing to be present at the meeting if it were held on the 18th.

Comments provided by the group and the decision made by Maine Bureau of Health will be taken into account in revising the presentation. Your comments and concerns provided us invaluable insight for improving our presentation and we appreciate your time and effort.

TECHNICAL REVIEW COMMITTEE/RESTORATION ADVISORY BOARD MEETING
 PORTSMOUTH NAVAL SHIPYARD MUSEUM AND VISITORS' CENTER
 21 SEPTEMBER 1994

	NAME	AFFILIATION	ADDRESS	PHONE	FAX
1	LT Jim Conroy	NORTHDIV	10 Industrial Hwy MSC 82 Lester PA 19113-2890	(215) 575-0567	(0555)
2	Simon Hahn	NORTHDIV	" "	" " EXT 190	"
3	SHANNON BEHR	NORTHNAUFACENGCOM	"	" EXT 183	"
4	Mark Leipert	NORTHDIV	"	(610) 595-0567 Ext 146	"
5	Robert K Johnston	NCCOSC	27 Tarzwell Dr Narragansett RI	(401) 295-5462	
6	Fran Endlyke	PWS		207-438-3832	
7	James Hulse	ATSDR	USEPA/ATSDR/RegT 60 Westview Lexington MA 02173	617-860-4619	617-860-4397
8	Eileen Mahoney	Mahoney Assoc	7939 Winston Rd Philadelphia PA 19118	215-242-4388	215-248-5750
9	KENNETH W. PLASTED	ANS	CODE 121 BLDG. 439, Box 100, CODE DIEB	(207) 438-3830	
10	Stacy GENT	CONSUMER 2	GRUTON, CT 06349-5100	(203) 449-3075/2084	FAX: 4699/2229
11	David McCoroughy	NEHC	2510 Walmer Ave Norfolk Va. 23513-2617	(804) 444-7575	
12	Charles W Grosse	NEHC	2510 Walmer Ave Norfolk Va. 23513-2617	(804) 444-7575	
13	John Dreisig	NH DPHS	6 Hazen Drive Concord, NH 03301	(603) 271-4664	
14	Joy Smith	ME DEP	State House Station #17 Augusta, ME 04333	207-287-2651	
15	Richard Heath	Maine DEP	Same	207-287-2651	
16	Nancy Beardley	Maine DEP	State House Station 17 Augusta, ME 04333	207 287 2651	

Invited Personnel to Attend
20 September Piscataqua Field Trip (noted with '*')
21 September 1994 TRC Meeting
Portsmouth Naval Shipyard Museum and Visitors' Center
Technical Review Committee Meeting

* Nancy Beardsley. Maine DEP
Wendv Bernays. Risk Assessment consultant for State of Maine
* Shannon Behr. NORDIV
* Harrison Bispham. Maine DEP
* David Burdick. UNH JEL
Kenneth Carr. USFW
Jeff Clifford. Underwood Engineering
* Jim Conroy. NORTENAVFACENGCOM
* Avangelos Dimitriades. State of Maine Toxicologist
* John Dresig. NH Dept. of Public Health
* Ken Finkelstein. NOAA
Eileen Foley. Mayor City of Portsmouth
Stacy Gent. COMSUBGRU TWO
* Charles Grosse. Naval Environmental Health Clinic (NEHC-HQ)
Simeon Hahn. NORTENAVFACENGCOM
* Rich Heath. DEP
Louise House. EPA ATSDR
* Heidi Hoven. UNH Jackson Estuarine Laboratory
Mark Hyland. Maine DEP
* Robert Johnston. NCCOSC (Navy)
Leo Kay. EPA
Linda Klink. Halliburton NUS Corp.
* Rich Langan, UNH Jackson Estuarine Laboratory
* Franco LaGreca, NORDIV
* Mark Leipert. NORTENAVFACENGCOM
Eileen Mahoney. Mahoney and Assoc.
Phil McCarthy. Town of Kittery
* Dave F. McConaughy, NEHC-HQ
* Ken Munney. USFWS
* John Nelson. NH Fish and Game
* Dennis Pinski. NH Dept. of Public Health
* Gerald Pesch. U.S. EPA
Onil Roy. Traub Academy
* Fred Short. UNH
Troy Smith. Maine DEP
* John Sowles. State of Maine Biologist
Brad Sterl. Maine DMR
* Patti Tyler. US EPA
Hal Walker. U.S. EPA
* Larry Ward. UNH
Ernest Waterman. U.S. EPA

POC: Jim Tayon Ext. 3832 (long range pager (From touch-tone phone): Step 1: 1-800-666-7890; Step 2: 564-0620; Step 3: Enter your phone number.)

Museum phones: Ext. 3550/2565

12/20/94

Jim Conroy	NORTH DIV	(215) 595-0567
JIM TAYO	PNS	207 438 3832
John Soudes	DEP	(207) 287-3901
Fred Short	UNH	603 862-2175
Patricia Tyler	EPA	617-860-4342
Fran Endyke	PNS	207 438 3832
Ken WUNNY	USFWS	603 275-1411
Stacy GENT	COMSUBERU 2	(203) 449-3075/2084
Harrison Bispham	MA DEP	207-287-2651
KENNETH W. PLIMSTED	PNS	207-438-3830
Larry Ward	UNH	603-862-2175
Franco A. La Greca	NORTH DIV	(610) 595-0567
Mark Lepier	NORTH DIV	(610) 595-0567
Richard Heath	Maine DEP	207 287-2651
SHANNON BEHR	NORTH DIV	(610) 595-0567 X103
Nancy Beardstey	ME DEP	207 287 2651

⊕ Points of interest for the tug tour.

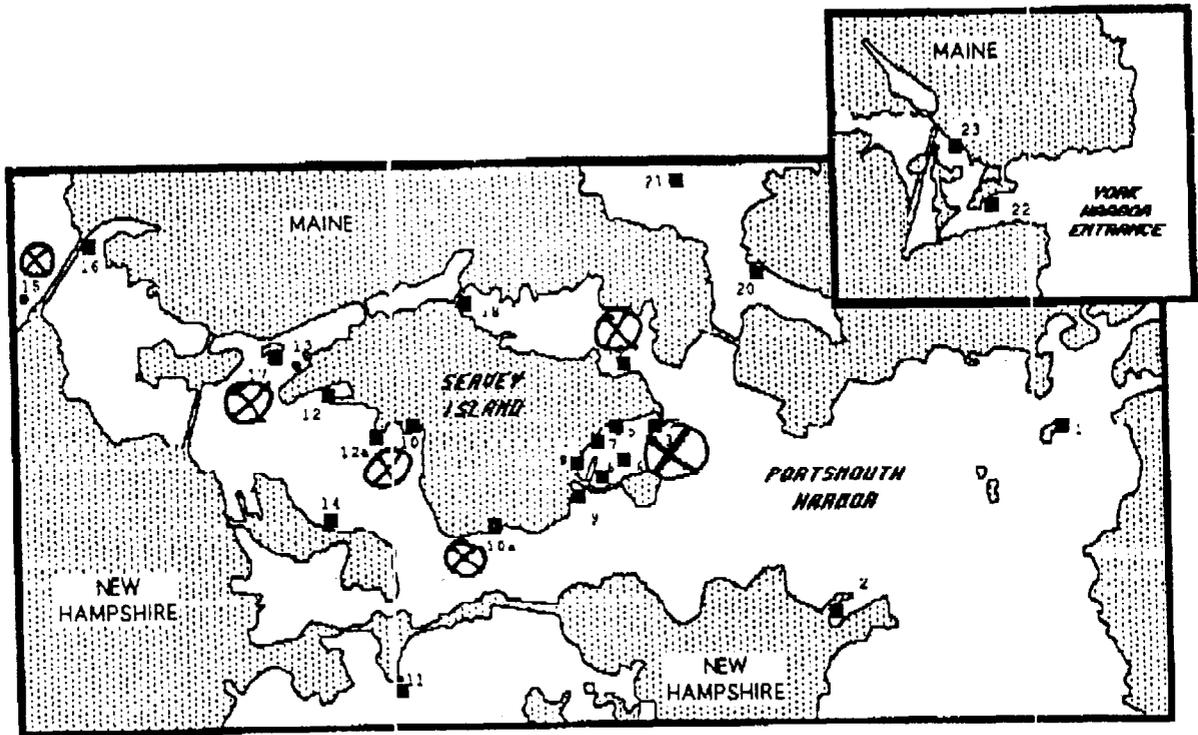
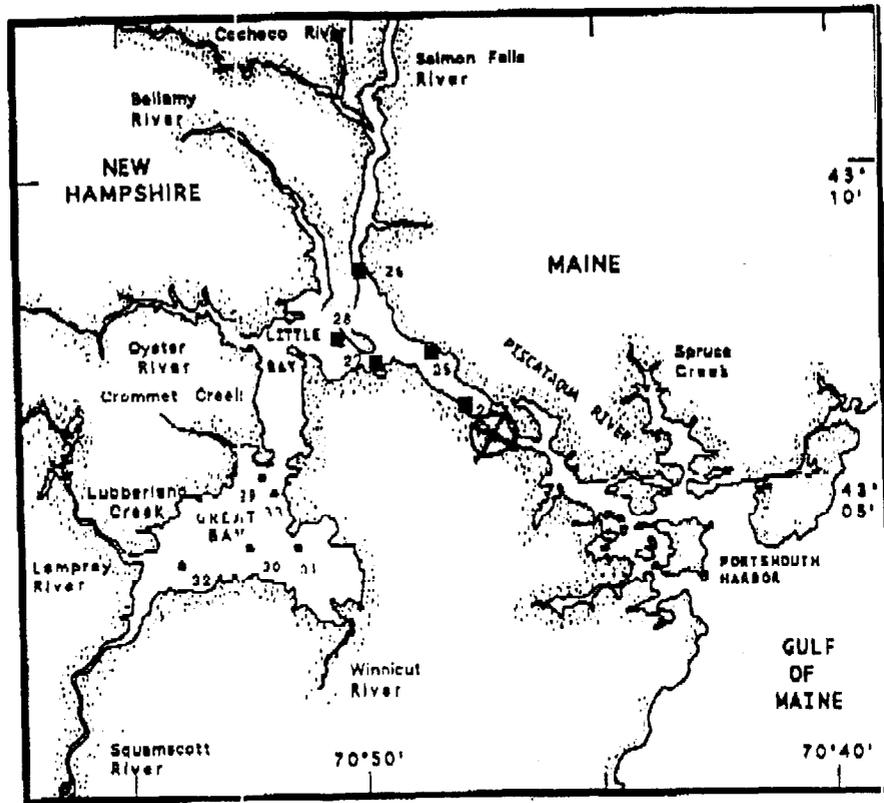


Figure 1. Map of PNS Ecological Risk Assessment sampling stations in Portsmouth Harbor, the Great Bay Estuary, and York River, ME (Johnston et al. 1993). Squares indicate where mussel samples were collected along transects.

Post-It™ brand fax transmittal memo 7671		# of pages > 1	
To	Jim Toyon	From	Fred Short
Co.	US NAVY	Co.	JEL/UNH
Dept.	PNS	Phone #	603 657 8359
Fax #	207 438-1535	Fax #	603 657-8359

PORTSMOUTH NAVAL
SHIPYARD

OFF-SHORE INVESTIGATIONS:
HUMAN HEALTH &
ECOLOGICAL PROTECTION

ENVIRONMENTAL RESTORATION

✦ RISK ASSESSMENT

- Evaluate effects of all chemicals present

✦ RISK MANAGEMENT

- Decisions made regarding responsibility and cleanup for chemicals present

ENVIRONMENTAL RESTORATION

✦ FACILITY ASSESSMENT

✦ FACILITY INVESTIGATION

- Human Health Risk Assessment**
- Ecological Risk Assessment**
- Media Protection Standards**

✦ REMEDY SELECTION

✦ REMEDY DESIGN AND IMPLEMENTATION

PNS RISK SYNTHESIS DOCUMENT

- **PURPOSE**

- Present Overview of the PNS Estuarine Ecological Risk Assessment
- Summarize Important Findings

- **TARGET AUDIENCE**

- Semi-informed *re* Ecorisk
- Understandable by Base Commander

- **TARGET LENGTH**

- 30 Pages of Meat
- References Individual PI Reports for Detail

- **SCHEDULE**

- Draft: 30 September 1994
- Draft Final: 31 December 1994

- **FORMAT**

- Following ERA Framework
- Focus on Risk Characterization
- Minimize Detailed Descriptions of Data Generating Exercises

OUTLINE

- **PREFACE**
- **TABLE OF CONTENTS**
- **EXECUTIVE SUMMARY**
- **INTRODUCTION (?)**
- **PROBLEM FORMULATION**
 - **Rehash Phase I Chapters 2 and 4**
 - **Finalize Conceptual Model as Appropriate**
- **ANALYSIS**
 - **Broadly Describe Analysis Activities, Heavily Referencing PI Reports**
 - **Summarize Major Findings Relative to Problem Formulation**

OUTLINE (cont.)

• RISK CHARACTERIZATION

➤ Risk Integration

» Point estimation procedures

- Spatial statistical comparisons
- Risk quotients
- Media protection approach

» Distributional analyses

- Exposure distributions and effects benchmarks
- Exposure distributions and exposure-response models
- Exposure distributions and species effects distributions (e.g. WQC)

» Assessment of observed vs predicted

» Multiple stressor analyses (optional)

- Toxic unit normalization
- Toxic equivalency analysis

➤ Uncertainty

» Addressed qualitatively



SCREENING

**SELECTED
STRESSORS**



OUTLINE (cont.)

- **RISK CHARACTERIZATION (CONT.)**
 - **Ecological Risk Summary**
 - » Sources, stressors, strengths
 - » Spatial patterns of exposures
 - » Spatial patterns of effects
 - » Evidence of risks
 - » Evidence of causality
 - » Scenario analysis (suggestions only)
 - **Interpretation of Significance**
 - » Nature and magnitude of effects
 - » Spatial extent and patterns of risk
 - » Recovery potential
- **REFERENCES**
- **APPENDICES (as appropriate)**

⊕ Points of interest for the tug tour.

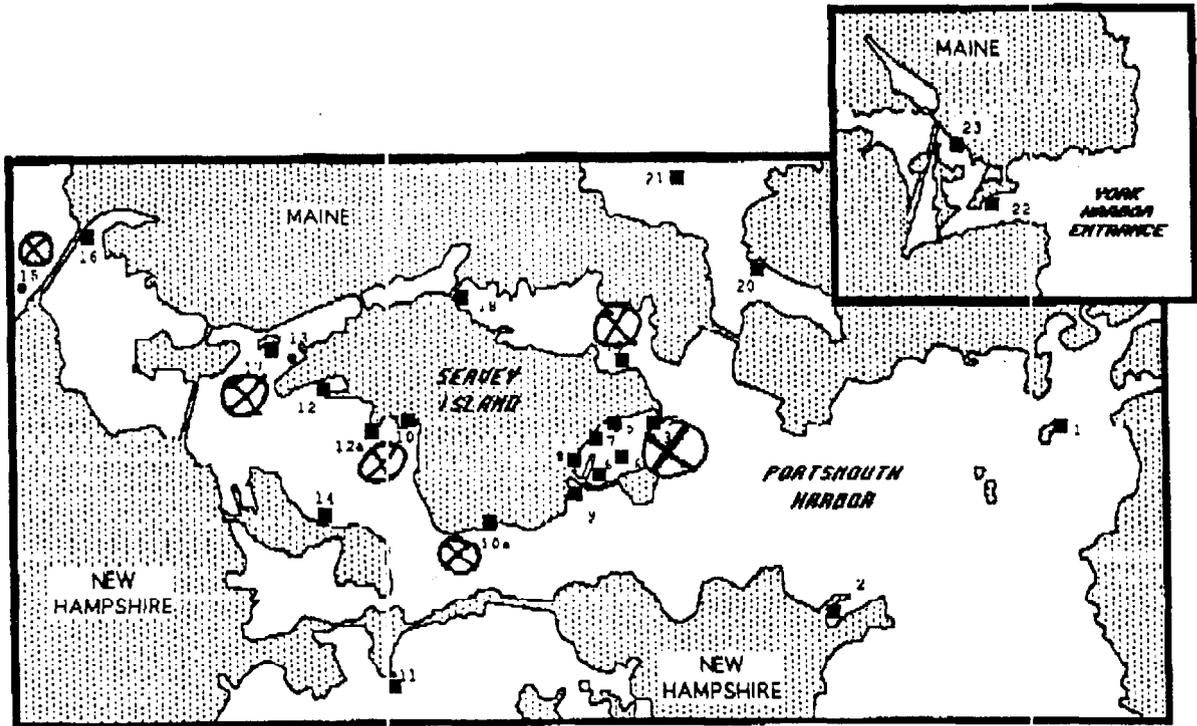
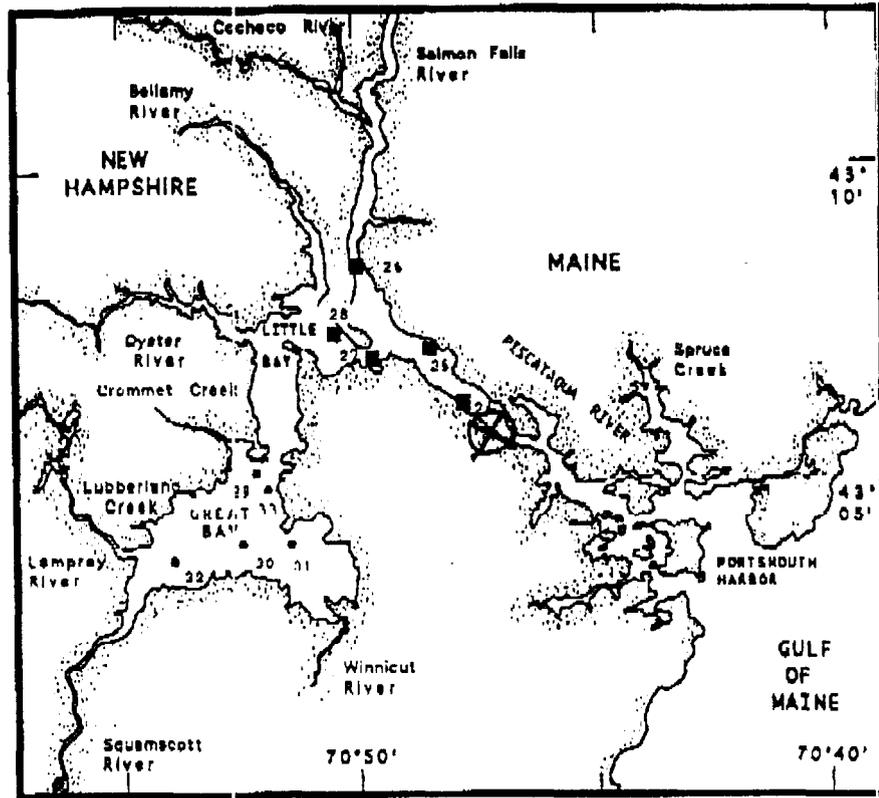


Figure 1. Map of PNS Ecological Risk Assessment sampling stations in Portsmouth Harbor, the Great Bay Estuary, and York River, ME (Johnston et al. 1993). Squares indicate where mussel samples were collected along transects.

Post-It™ brand fax transmittal memo 7671 # of pages > 1

To	Jim Toyon	From	Fred Short
Co.	US NAVY	Co.	JEL/UNH
Dept.	PNS	Phone #	603 659-8359
Fax #	207 428-1535	Fax #	603 659-8359

DRAFT

INVITATION

You are invited to attend a Public Information Workshop presented by the Portsmouth Naval Shipyard

When: 21 September 1994

Time: 7 p.m.

Where: Kittery Lions Hall, 117 State Road

Talks:

Visuals after talks: Several poster, video and slide sessions. Scientists will be present at several discussion tables to explain the steps in studying the river and to answer questions. Some examples of visual presentations are:

- Underwater video of lobsters and eelgrass beds
- Photographs of recent environmental studies
- Water quality
- Human health protection
- Computer study of river currents

For more information, please call or write:

Public Affairs Office
Ms. Mary Anne Mascianica
Portsmouth Naval Shipyard
Portsmouth, NH 03804-5000
(207) 438-1140
FAX 438-1266

Map on reverse side

DRAFT

Agenda for Public Workshop
Tuesday, January 25, 1994
Lions Hall, Kittery, Maine
7:00 PM Start

Wed, Sep 21

Topic: Media Protection Standards

1. **Opening** (Betty)
Elizabeth Ballard, Moderator

2. **Introduction/Meeting Opening** Captain Horne 2 min. ▲
OR Ken Plaisted or CO designee

3. **Recognition of Distinguished Guests** Jim Tayon 2 min.

4. **Tonight's program** ~~Jim Tayon 5 min.~~
Conroy 2 min
 - A. { stress the difference between the 2 presentations _____
 - B. _____

5. _____ Eileen Mahoney 20 min.

6. _____ Robert Johnston 20 min.

7. **Conclusions** Jim Tayon 2 min.

8. **Open Questions** Elizabeth Ballard, moderator
Jim Tayon, Facilitator

9. **Close of Formal Meeting**

(Over)

Printed on recycled paper

DRAFT

10. Informal Poster Session

(Over)

Printed on recycled paper



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
Ser 2249/1823

SEP 16 1994

MEMORANDUM

**FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC), CERCLA
REMEDIAL ACTION PROGRAM, PORTSMOUTH NAVAL SHIPYARD, KITTERY,
MAINE**

This memorandum is to announce that the evening public workshop to discuss the Off-Shore Human Health Risk Assessment and Ecological Media Protection Standards earlier scheduled for the evening of 21 September has been rescheduled tentatively to late October early November. The rescheduling will allow the TRC members an opportunity to listen to the dry run and recommend changes at the next TRC meeting and provide the Navy additional time to incorporate the recommend changes to improve the presentation.

As announced earlier the next TRC meeting will be held on **Wednesday, September 21, 1994**. Scheduled to begin at 9:30 am in the Shipyard Museum and Visitor Center, Building 156.

If anyone has any questions please call me at (610) 595-0567 extension 166.

Sincerely,

Franco A. La Greca

FRANCO A. LA GRECA, PE
Head, Restoration Management Branch
By direction of the Commanding Officer

Distribution:

TECHNICAL REVIEW COMMITTEE MEMBERS

Portsmouth Naval Shipyard (Code 120,121,121.5,122.4, 121.10)
EPA Region I (E. Waterman)
MEDEP (N. Beardsley)
NOAA (K. Finkelstein)
MEDMR (B. Sterl)
USFWS (K. Carr)
Onil Roy (Town of Kittery)
Phil McCarthy (Town of Kittery)
Eileen Foley (Town of Portsmouth)
Jeff Clifford (Town of Kittery)
John Nelson (NH Fish & Game)
Portsmouth Naval Shipyard (Code 910,106)
Portsmouth Medical Clinic (LCDR Pellosie)
NEHAC Detachment Portsmouth (CAPT Pessoney)
NCCOSC (R. Johnston)
UNH-JEL (L. Ward)
Halliburton NUS (L. Klink)
COMSUBGRU TWO (B. Jones)
ATSDR EPA REGION I (L. House)
NEHC (C. Grosse)
NHPHS (J. Dresig)



DEPARTMENT OF THE NAVY

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

5090
Ser 2232/1823/JMC

IN REPLY REFER TO

SEP 06 1994

MEMORANDUM

**FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC), CERCLA
REMEDIAL ACTION PROGRAM, PORTSMOUTH NAVAL SHIPYARD, KITTERY,
MAINE**

This memorandum is a reminder that the next TRC meeting will be held on **Wednesday, September 21, 1994**. We will begin at 9:30 am in the Shipyard Museum and Visitor Center, Building 156. The main topic will be the conversion of the TRC to a Restoration Advisory Board (RAB).

Also, that same day we are having an evening public workshop to discuss the Off-Shore Human Health Risk Assessment and Ecological Media Protection Standards. This will begin at 7:00 pm in the Kittery Lions Hall. I would like to encourage our RAB selection panel members to come to the public meeting. This would be an excellent opportunity for you to discuss the upcoming Restoration Advisory Board after the formal presentations. I believe this would increase public interest and understanding of the transition to a RAB.

If you plan to attend the TRC meeting, please notify Mr. Jim Tayon at 207-438-3832 by September 14, 1994 to allow for security passes, seating and parking.

If anyone has any additional items that they would like to discuss at the TRC meeting please call me at (610) 595-0567 extension 117.

Sincerely,

A handwritten signature in cursive script that reads "Jim Conroy".

JAMES M. CONROY, PE
LT, CEC, USN
Remedial Project Manager
By direction of the Commanding Officer

Distribution:

TECHNICAL REVIEW COMMITTEE MEMBERS

Portsmouth Naval Shipyard (Code 120,121,121.5,122.4, 121.10)
EPA Region I (E. Waterman)
MEDEP (N. Beardsley)
NOAA (K. Finkelstein)
MEDMR (B. Sterl)
USFWS (K. Carr)
Onil Roy (Town of Kittery)
Phil McCarthy (Town of Kittery)
Eileen Foley (Town of Portsmouth)
Jeff Clifford (Town of Kittery)
John Nelson (NH Fish & Game)
Portsmouth Naval Shipyard (Code 910,106)
Portsmouth Medical Clinic (LCDR Pellosie)
NEHAC Detachment Portsmouth (CAPT Pessoney)
NCCOSC (R. Johnston)
UNH-JEL (L. Ward)
Halliburton NUS (L. Klink)
COMSUBGRU TWO (B. Jones)
ATSDR EPA REGION I (L. House)
NEHC (C. Grosse)

Copy to:
Code 1822/ML
Code 1831/SH
Code 1823
Team C



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
Ser 2231/1823/JMC
SEP 06 1994

MEMORANDUM

**FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC), CERCLA
REMEDIAL ACTION PROGRAM, PORTSMOUTH NAVAL SHIPYARD, KITTERY,
MAINE**

This memorandum is to invite you on a field trip with the purpose of observing the estuarine environment surrounding Portsmouth Naval Shipyard. We will be the guests of PNS on one of their tugboats which will take us to the mouth of the Piscataqua River, around the Shipyard and upriver. Bob Johnston and members of the off-shore ecological group will be along to discuss their investigations and studies. The boat is limited to 15 guests, the first 15 to respond.

After the boat ride we will visit the eelgrass transplant site at the end of Jamaica Island. There, UNH has been performing a study to determine the viability of constructing an estuarine habitat at PNS. We will then go to the PNS museum for wrap-up discussions.

Please meet us at the museum at 12:45 pm on September 20. The boat ride will last from 1:00 pm to around 2:30 pm. **Please RSVP to Jim Tayon at (207) 438-3832, by September 13 to allow for security arrangements.**

Our TRC meeting is the following day (Sep. 21st). Also, that evening (Sep. 21st) is the public workshop for the off-shore human health risk assessment and ecological media protection standards.

If you have any questions please call me at (610) 595-0567 extension 117.

Sincerely,

A handwritten signature in cursive script that reads "Jim Conroy".

JAMES M. CONROY, PE
LT, CEC, USN
Remedial Project Manager
By direction of the Commanding Officer

Distribution:

TECHNICAL REVIEW COMMITTEE MEMBERS

Portsmouth Naval Shipyard (Code 120,121,121.5,122.4, 121.10)
EPA Region I (E. Waterman)
EPA REGION I (P. Tyler)
MEDEP (N. Beardsley)
NOAA (K. Finkelstein)
MEDMR (B. Sterl)
USFWS (K. Carr)
Onil Roy (Town of Kittery)
Phil McCarthy (Town of Kittery)
Jeff Clifford (Town of Kittery)
Eileen Foley (Town of Portsmouth)
John Nelson (NH Fish & Game)
NCCOSC (R. Johnston)
UNH-JEL (L. Ward)

Copy to:
Code 1822/ML
Code 1831/SH
Code 1823/JC
Team C