



TETRA TECH NUS, INC.

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C-NAVY-12-99-1405W

December 14, 1999

Project Numbers 7397, 5278

Mr. James Shafer
Remedial Project Manager
Northern Division, Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop 82
Lester, Pennsylvania 19113

Reference: CLEAN Contract No. N62472-90-D-1298
Contract Task Order Nos. 0269, 0218

Subject: Transmittal of Meeting Notes
Background Soil Investigation Approach and Marine Ecological Risk Reference Stations,
Old Firefighting Training Area, Naval Station - Newport, Newport Rhode Island

Dear Mr. Shafer:

Attached are summaries of two meetings held on December 8, 1999 at Naval Station Newport, in Newport Rhode Island for Site 09 (OFFTA).

A summary of the morning session is presented as Attachment A. This session was held to discuss the approach for site background soil investigation. A summary of the afternoon session is presented as Attachment B. This session was held to discuss proposals to address reference data needs for the offshore portions of the site.

If you have any questions regarding this material, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Stephen S. Parker', with a long horizontal flourish extending to the right.

Stephen S. Parker
Project Manager

- c: M. Griffin, NETC (7)
K. Keckler, USEPA (3)
P. Kulpa, RIDEM (4)
J. Stump, Gannett Fleming (2)
K. Finkelstein, NOAA (1)
D. Egan, TAG (1)
J. Trepanowski/G. Glenn, B&RE (1)
File 7397-3.2, 5278-3.2

ATTACHMENT A
MEETING SUMMARY
OFFTA SITE BACKGROUND SOIL INVESTIGATION APPROACH
DECEMBER 8, 1999, NAVAL STATION NEWPORT

Meeting Attendees:

Jim Shafer, U.S. Navy Northern Division RPM
Dave Barclift, U.S. Navy Northern Division
Todd Bober, U.S. Navy Northern Division
Melissa Griffin, Naval Station Newport
Shannon Behr, Naval Station Newport
Diane Baxter, Tetra Tech NUS, Inc.
Jim Forreli, Tetra Tech NUS, Inc.
Kymberlee Keckler, U.S. EPA RPM
Jennifer Stump, Gannet Fleming
Paul Kulpa, Rhode Island Department of Environmental Management RPM
Rich Gottlieb, Rhode Island Department of Environmental Management

Meeting convened at 10:00 a.m.

The purpose of the meeting was to present the proposed onshore background soil sampling project approach including the following topics:

- proposed sampling methods,
- proposed sample locations based on land use research findings,
- proposed data manipulation methods, and
- use of the data.

A summary of the discussion follows.

Jim Forreli gave a presentation on the land use research findings and the recommended sampling locations.

Rhode Island Department of Environmental Management (RIDEM) remediation regulations for background determination require background samples to be collected from areas having the same soil characteristics as the contaminated site. Coasters Harbor Island has been the site of Navy activity since the 1880s and most of the island soil areas have been previously disturbed or impacted by imported fill. According to the U.S. Department of Agriculture (USDA) Soil Survey of Rhode Island, soils on Coasters Harbor Island, including the OFFTA Site, are classified mostly as Udorthents-Urban land complex (UD). Sites for buildings, paved roads, and parking lots are classified as Urban land (Ur). Udorthents-urban land complex areas consist of soils that have been disturbed by cutting and filling, and building and pavement areas. Since the available soil mapping indicates that the same soil type found at the OFFTA Site exists across Coasters Harbor Island, it is assumed that suitable background sample sites will be located on the island, outside of areas impacted by the site activities.

Based on current land use and accessibility ten areas on Coasters Harbor Island were identified for investigation as potential background sample locations for the OFFTA background study. Available historical information, maps, and aerial photographs were reviewed to determine prior land uses and activities at the ten areas. Based on the research two areas, Areas C and D, (Dewey Field) have been identified as potential sample areas, and two additional areas, Areas H and I (officer's quarters area), have been identified as alternate sample areas. Proposed sample locations for Areas C (20 locations), D (6 locations), I (4 locations), and H (7 locations) were shown in an exhibit.

MEETING SUMMARY
OFFTA SITE BACKGROUND SOIL INVESTIGATION APPROACH
DECEMBER 8, 1999, NAVAL STATION NEWPORT
PAGE 2 of 2

Soil samples will be collected using direct push technology. It is anticipated that a total of 20 locations will be sampled at the 0-2 feet depth interval (surface soil sample) and the 4-6 feet depth interval (subsurface soil sample). It is proposed that all the samples be collected from Areas C and D.

All samples will be analyzed for target analyte list (TAL) metals.

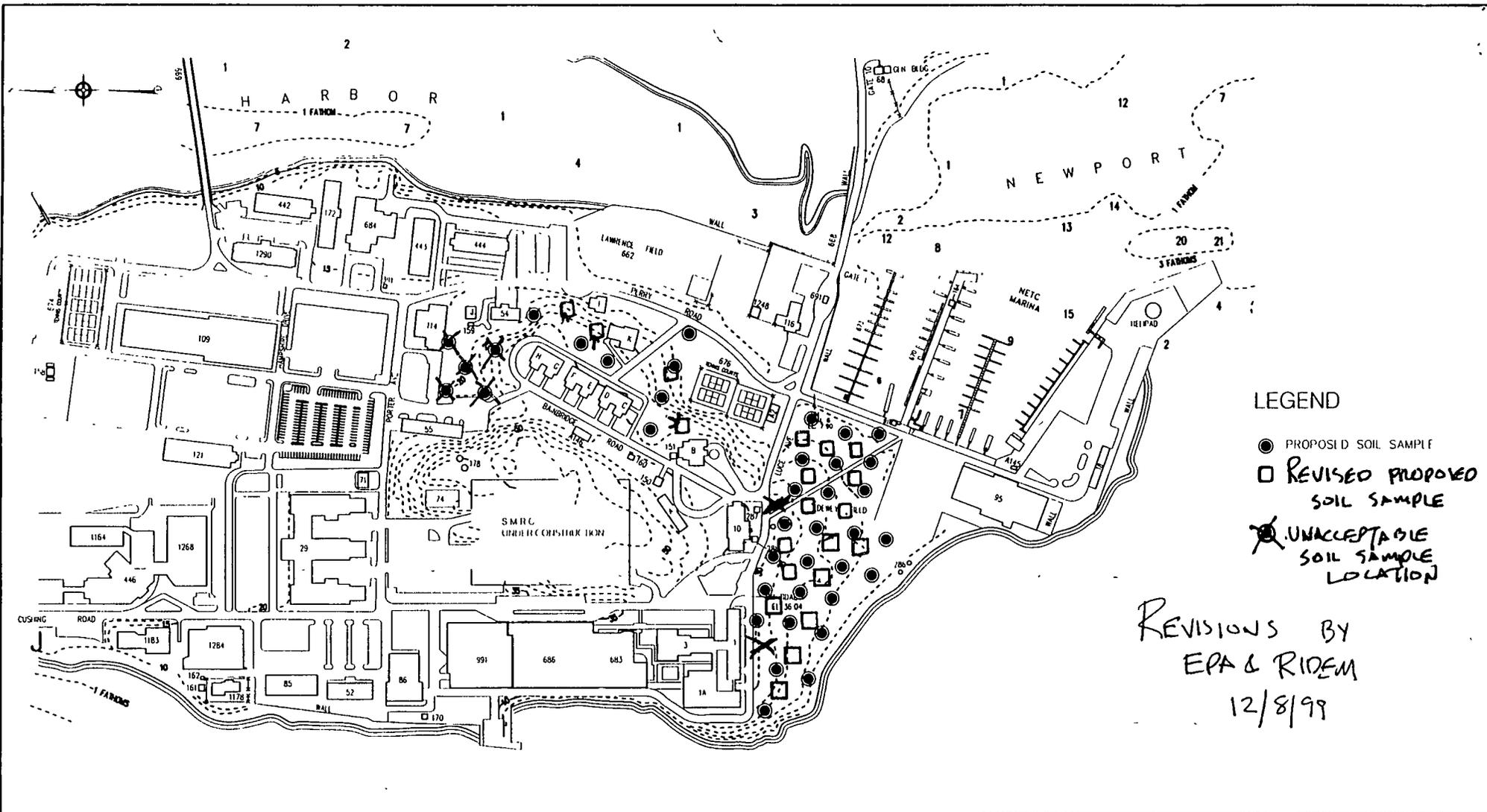
The data will be reviewed for determination of appropriate statistical analysis to determine the representative background concentrations in accordance with Navy guidance (Procedural Guidance for Statistically Analyzing Environmental background Data, September 1998 and Handbook for Statistical Analysis of Environmental Data, July 1999) [TtNUS will distribute copies to EPA, RIDEM, Gannet Fleming and NSN).

The EPA and RIDEM representatives agreed with the sampling program with the following changes/requirements:

1. Samples will be collected from Areas C,D, H, and I as follows:
 - Areas C&D: sixteen samples
 - Area H: two samples
 - Area I: two samples
2. Samples will not be collected from locations within 100 feet of the roadway.
3. The five northern most potential sample locations in Area H will not be used due to the proximity of the greenhouse.
4. EPA and RIDEM representatives marked revised potential sample locations on the proposed sample location figure (attached).

RIDEM representatives agreed that if the data indicates that the results for Areas H and I samples are statistically dissimilar from the results for Areas C and D samples, the sixteen samples from Areas C and D would be sufficient for the background statistical analysis and no additional sampling would be required.

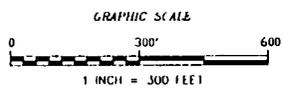
A-3



- LEGEND**
- PROPOSED SOIL SAMPLE
 - REVISED PROPOSED SOIL SAMPLE
 - ⊗ UNACCEPTABLE SOIL SAMPLE LOCATION

REVISIONS BY
EPA & RIDEM
12/8/99

NOTES:



| | | | |
|-------------------------------------|-------------|----------|------------------------------------|
| PROPOSED SAMPLE LOCATIONS | | FIGURE B | |
| OFFTA BACKGROUND SOIL INVESTIGATION | | | |
| NAVAL STATION NEWPORT - NEWPORT, RI | | | |
| DRAWN BY | R G DEWSNAP | REV | 0 |
| CHECKED BY | J FORRELLI | DATE | 07 DEC 99 |
| SCALE | 1" = 300 | FILE NO | \\DMS\5278\0551\SAMP LOCATIONS.DWG |

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**ATTACHMENT B
MEETING SUMMARY
OFF-SHORE REFERENCE DATA NEEDS AND PROPOSED RESOLUTIONS**

In attendance were:

- D. Barclift, Northdiv
- S. Behr, NSN
- R. Gottlieb, RIDEM
- M. Griffin, NSN
- K. Keckler, USEPA
- P. Kulpa, RIDEM
- S. Parker, Tetra Tech NUS, Inc.
- B. Richardson, RIDEM
- J. Shafer, Northdiv
- J. Stump, Ganett Fleming
- T. Bober, Northdiv
- G. Tracey, SAIC

Note: The meeting is documented in this abbreviated format because many of the discussions were fragmented, and consisted of brainstorming about where each avenue would take the project. Substantive decisions were made as described below.

This meeting was called to discuss proposals for collection of additional reference data for the offshore portions of Site 09 (OFFTA). This additional reference data was determined to be necessary since RIDEM did not concur with the use of the offshore reference station described in the Marine Ecological Risk Assessment Report (Station 23).

The meeting convened at 12:30. Tetra Tech NUS, Inc. and SAIC introduced a proposal to collect additional reference data at locations near the site and north of Jamestown Island, as well as two other locations. This proposal had been prepared based on the conversation held at a conference call November 4, 1999. This proposal was briefly discussed, with SAIC answering questions about selection of the stations and use of the data.

RIDEM stated that they are currently working on a secondary proposal. They requested that the Navy consider their proposal for a remedial action that will be based on their review of the ERA and the existing reference stations at Jamestown Island (JCC and JPC stations). RIDEM stated that they will evaluate the potential outcomes of using those stations instead of Station 23, and determine an action that would reduce risk to a level acceptable to the State. RIDEM stated that they feel it is not worth collecting additional reference data when a data set already exists. RIDEM also stated that it was their hope that if the Navy could agree to the proposal, the action could be fit into the remedial action scheduled for McAllister, saving additional mobilization fees.

There were extensive discussions about the reference data that is currently available for Jamestown. Data from the ecological risk assessment reports for McAllister and Derecktor were extracted from the reports and discussed, and a reference assessment provided on June 1, 1999 was evaluated as well. RIDEM requested copies of the GIS project for NSN that was developed by Tetra Tech NUS, Inc., and the Navy agreed to provide this as soon as it could be duplicated.

There was also some discussion about how this approach would fit into the CERCLA process. Actions would have to be supported by risk, and would have to follow one of the various paths offered by the CERCLA process. In addition, habitats of significance that are present in the Coasters Harbor would need to be considered and protected.

The Navy stated that they will welcome the RIDEM proposal. They also stated that the Navy and EPA will review it to determine if it can be supported by the risk evaluations performed, and to see if the action could be implemented in concert with the requirements of CERCLA. All parties agreed that it would be best to not collect additional reference data if it is not necessary. RIDEM agreed to provide an update on the development of the proposal within the next few days.

The meeting adjourned at 3:00 PM.