

**TECHNICAL REVIEW COMMITTEE MEETING MINUTES
NAVY INSTALLATION RESTORATION PROGRAM
NAVAL EDUCATION AND TRAINING CENTER (NETC)
NEWPORT, RHODE ISLAND**

-March 26, 1992-

**TRC ENVIRONMENTAL CONSULTANTS, INC.
CONTRACT NO. N62472-86-C-1282
TRC PROJECT NO. 6760-N81**

**Prepared by:
Mr. Robert C. Smith, P.E.
TRC-ECI Program Manager**

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Project Manager**

**Prepared for:
Mr. Franco LaGreca, P.E.
Remedial Project Manager
U. S. Navy, Northern Division**

MINUTES OF THE TWENTIETH TRC MEETING

The 20th Technical Review Committee Meeting (TRC) for the Newport Installation Restoration Program (IRP) studies was held at the Navy Education Training Center (NETC) in Newport, Rhode Island on March 26, 1992 from 10:00 am to 11:30 pm. Attachment "A" provides a list of meeting attendees. Details of the meeting appear below:

INTRODUCTION - Mr. Franco LaGreca, US Navy, Northern Division

- Meeting agenda was presented - The entire agenda for the TRC meeting is outlined below:
 - TRC Opening Remarks and Introduction
 - Remedial Investigation (RI) Technical Report Update
 - Remedial Investigation (RI) Risk Assessment Update
 - Off-Shore RI Phase Investigation
 - Status of Oil Soaked Piles Removal at MMI
 - Status of Tanks #53 and #56 (Tank Farm 5)
 - Status of the Study Area Work Plan
 - General Comments & Open Discussion
- Mr. LaGreca announced that the Naval Underwater Weapons Center (NUWC), formerly NUSC, has become a new member of the TRC.

Mr. LaGreca summarizes the Federal Facilities Agreement (FFA) signing held on Monday, March 23, 1992. The FFA is available for public review at the Newport, Middletown, and Portsmouth public libraries. The FFA will be available for public review and comments for 45 days. Comments should be addressed to Ms. Carol Keating at the USEPA Region I office. Attachment "B" provides a copy of the Notice of Public Comment Period for the FFA.

REMEDIAL INVESTIGATION REPORT UPDATE - Mr. Jim Peronto, TRC-ECI

- TRC-ECI is currently in the process of addressing USEPA and RIDEM comments on the draft Phase I RI report. Responses to the RI report comments will be forwarded to the review agencies in the near future.

During the Phase I RI, TRC-ECI collected surface soil samples from Site 09 - Old Fire Fighting Training Area. One of the samples (SS-02) was collected at a location within the fenced play area of the on-site child day care center. An EPA split sample was also collected from this sample location. Due to significant differences in the analytical results of the split samples and elevated metals concentrations detected in the EPA sample, it was decided that

the location would be resampled. Four additional surface soil samples were also collected from within the fenced area during the resampling to further address the concerns raised from the split sample analysis. The results of the follow-up sampling conducted in December 1991 showed a good correlation between the Phase I TRC-ECI sample results and the follow-up sample results. These findings, as well as the results of the additional surface soil sampling, indicate that there are not elevated levels of metals present in the surface soils within the fenced child care center area. The validation of the follow-up sample results also indicated that the data received from the laboratory was of acceptable quality.

- Although dioxin/furans are not known to have been disposed of at any of the RI sites, several of the Phase I RI samples will be analyzed for dioxins and furans. The samples planned for dioxins/furans analysis include samples collected from particular areas of concern on the sites (e.g., ash material, oily soils/waste, highly contaminated, oil/solvent burn areas) and/or samples that have levels of potential indicators of the dioxins/furans (e.g., PCBs, dibenzofuran, trichlorobenzene, trichlorophenol). Many of the Phase I RI samples were archived by the laboratory for potential dioxins/furans analysis. In addition, samples will be collected from the Tank Farms 4 and 5 oil/water separators (reported burning pits) for dioxins/furans analysis. The specific samples planned for dioxins/furans analysis were presented at a previous TRC meeting. A contract for the additional dioxin/furan sampling and analyses will be negotiated between the Navy and TRC-ECI in the near future. The dioxins/furans analysis will then be performed on the selected samples.

Question: Mr. Mike Kulbersh (CDM-FPC), EPA's oversight contractor, asked which analytical method will be used for the dioxin/furan analyses?

Response: Mr. Jim Peronto (TRC-ECI) stated that the dioxins/furans analysis will be performed according to the Modified Method 8280. As requested by TRC-ECI, Ms. Carol Keating (US EPA Region I) stated that she had discussions with the EPA Lexington laboratory concerning dioxin/furan analysis methods and that the laboratory is forwarding information on the preferred method modifications. Upon receipt, the information on the preferred dioxin/furan analyses method will be sent to TRC-ECI for review.

Question: Mr. Jeff Crawford (RIDEM) inquired whether the RIDEM Phase I RI comments are currently being responded to by the Navy.

Response: Mr. Jim Peronto (TRC-ECI) stated that a comment response letter which specifically addresses each of the draft Phase I RI report comments is currently being prepared by TRC-ECI and the Navy. The comment response letter will be forwarded to all of the commentors when completed.

RI RISK ASSESSMENT UPDATE - Mr. Jim Peronto, TRC-ECI

TRC-ECI will be developing an Ecological Risk Assessment Work Plan for the five RI sites. The associated ecological assessment field work will potentially be conducted in conjunction with the Phase II RI field work.

Question: Mr. Jeff Crawford (RIDEM) inquired whether information pertaining to the non-NPL site, Site 02 - Melville North Landfill, will also be presented in Phase II Work Plan.

Response: Mr. Jim Peronto (TRC-ECI) stated that all future reports will be presented on a site-by-site basis. Mr. Franco LaGreca (US Navy) stated that since the Melville North Landfill site is not covered under the FFA (it was not owned by the Navy at the time the NETC was placed on the NPL), information pertaining to this site will be reported in documents completely separate from the RI sites.

OFF-SHORE PHASE I RI INVESTIGATION - Mr. Jim Peronto, TRC-ECI

- The off-shore biota and sediment sampling planned under the Phase I RI has been delayed due to evaluate the status of EPA-approved biota and sediment analytical procedures and resolution of EPA/RIDEM concerns regarding the planned scope for this work.
- The Navy and TRC-ECI has been working with Battelle Ocean Sciences of Duxbury, Massachusetts to develop a refined off-shore sampling and analysis work plan. Battelle has conducted a large scale programs within Narragansett Bay and is very familiar with marine sampling and analytical methods.

An off-shore sampling work plan which will address major EPA and RIDEM concerns will be completed in the near future. The sampling is planned for this summer (1992).

Question: Mr. Jeff Crawford (RIDEM) asked if biota sampling will also be conducted within the brooks adjacent to Tank Farms 4 and 5?

Response: Mr. Jim Peronto (TRC-ECI) stated that biota sampling is only planned along the shoreline of Site 01 - McAllister Point Landfill, Site 02 - Melville North Landfill, and Site 09 - Fire Fighting Training Area.

Question: Ms. Carol Keating (USEPA Region I) asked if the Ecological Risk Assessment Work Plan, Off-shore Sampling Work Plan, and Phase II RI Work Plan will be presented as separate documents?

Response: Mr. Jim Peronto (TRC-ECI) stated that the work plans will be presented as separate documents. Although work plans may include information on the associated activities presented in the other work plans.

Mr. Robert K. Johnston, US Navy NCCOSC stated that they have developed a QA/QC plan for marine sampling under the US Navy Portsmouth project in New Hampshire. Mr. Johnston generally discussed the work that was developed under this project concerning marine sampling QA/QC. Mr. Johnston also stated that an extensive marine data base is available from the US Navy NCBC Davisville, Rhode Island project which will be available to compare to the data collected at the NETC, Newport.

Mr. Jim Peronto stated that TRC-ECI had received a copy of the Portsmouth QA/QC Plan and provided a copy of the plan to Battelle for review and use in developing the NETC off-shore investigation plans.

- Ms. Carol Keating (USEPA Region I) stated that the EPA has been reviewing the Portsmouth QA/QC plan.

Question: Ms. Carol Keating (USEPA Region I) asked when the off-shore sampling Work Plan will be available for review by the EPA?

Response: Mr. Franco LaGreca (US Navy NORTHDIV) stated that the completion date of the Work Plan is dependant upon when the contract for this activity is negotiated with TRC-ECI. A contract negotiation date has not been scheduled for this work. The off-shore work plan will be submitted to the EPA and RIDEM when it is completed. The off-shore sampling work plan will consider all prior EPA and RIDEM comments on the planned off-shore investigations. The Phase I off-shore sampling will be conducted prior to finalizing the work plan. However, the details of the planned sampling an analysis will be presented to the EPA and RIDEM at a meeting held just prior to beginning the sampling activities. The off-shore investigations are tentatively planned for early Summer 1992.

STATUS OF OIL SOAKED PILES REMOVAL AT MMI - Mr. Franco LaGreca, US Navy, Northern Division

The Navy is proceeding to remove the oil soaked piles located on Site 02, the Melville North Landfill (or the Melville Marine Industries (MMI) property). The removal work will be advertised at the end of this month for 30 days. The job is expected to be awarded in mid-June.

STATUS OF TANKS #53 & #56 (TANK FARM 5) - Mr. Franco LaGreca, US Navy, Northern Division

Cleaning operations within Tanks 53 and 56 has been completed by OH Materials under contract to the Navy. The Navy has been working with the RIDEM to develop a complete tank closure plan in accordance with regulatory requirements.

- The RIDEM (RCRA) will be taking the lead on dealing with the contaminated soil around the tanks. Additional borings and a soil gas survey will be conducted around each of the tanks. The results of the additional work will determine the scope of the soil cleanup activities.

The USEPA (CERCLA) will be taking the lead on the ground water contamination. The Navy, EPA, and RIDEM are currently working on the selection of an Interim Remedial

Measure (IRM) to treat the contaminated ground water in the vicinity of the two former used oil tanks.

- All of the Tank Farm Five wells will be resampled in May to evaluate the ground water contaminant plume migration and to determine if any changes have occurred in the previously observed ground water contaminant levels since the last sampling round in 1990.

Question: Mr. Jeff Crawford (RIDEM) stated that the Navy should also look into cleaning out the associated pipe lines located throughout the tank farm.

Response: Mr. Franco LaGreca (US Navy) stated that the Navy would evaluate cleaning out the fuel lines on the tank farm.

Question: Mr. Mike Kulbersh (CDM FPC) asks what analyses are planned for the Tank Farm 5 ground water resampling.

Response: Mr. Jim Peronto (TRC-ECI) states that the ground water samples will be analyzed for TCL VOCs, TCL BNAs, TCL pesticides/PCBs, metals (unfiltered and filtered), BOD, COD, and TSS. The actual sample analyses will be defined in final negotiations (TRC-ECI and US Navy Northern Division) for this work. This information will be provided to the EPA and RIDEM prior to the sampling effort.

STATUS OF THE STUDY AREA WORK PLAN - Mr. Franco LaGreca, US Navy, Northern Division

- As part of the FFA, the Navy will be looking into six (6) additional sites as Study Areas. The Navy has contracted with TRC-ECI to develop a Work Plan to conduct initial site inspections of the six sites. The study areas are the Coddington Cove Rubble Fill Area, Tank Farms 1, 2, and 3, the NUSC Disposal Area, and the Gould Island Electroplating Shop. The site inspection are being conducted to determine if the sites need to be brought into the RI phase or can be considered as sites requiring no further action.

Overview of Study Area Sites - Mr. Jim Peronto, TRC-ECI

Study Area 04 - Coddington Cove Rubble Fill Area

The Coddington Cove Rubble Fill Area occupies approximately six to eight acres southeast of Building No. 47 adjacent to the Coddington Highway. The site is located in the central portion of the NETC east of Coddington Cove. Currently, the site is a vacant open area.

- Available information indicates that the area was used for disposal of concrete, asphalt, slate, wood, and brush from approximately 1978 to 1982. The 1983 Initial Assessment Study (IAS) report indicated that demolition-type material was no longer being disposed of at the site. The 1983 IAS also recommended that a Confirmation Study was not necessary for the site.

Study Area 08 - NUSC Disposal Area

The NUSC Disposal Area occupies approximately one acre or less in the northeast portion of the Naval Underwater Weapons Center (formerly NUSC). The site is located to the north of Building No. 1170 and to the south of the Wanumetonomy Golf and Country Club. The consists of open and wooded land adjacent to a small stream and near a pond.

- The site was reportedly used for the disposal of scrap lumber, tires, wire, cable, and empty cans, in the early 1970's.

Study Area 07 - Tank Farm One

- Tank Farm One occupies approximately 20 acres in the Melville North section of the Newport Naval Complex.
- Tank Farm One contains six 1.5 million gallon, steel, underground storage tanks (Tanks #13 to #18) and two 3 million gallon aboveground storage tanks. The tanks have reportedly been used for the storage of fuel oil, gasoline, and aviation fuel.
- The IAS and Confirmation Study conducted at the tank farm identified levels of oil and grease in the soils and BTX compounds and TPH in the ground water.
- Tank bottom sludge was reportedly disposed of in a series of shallow trenches on the tank farm.
- Currently, Tank #13 and #18 are closed and Tank #17 is being cleaned out for repairs. The remaining tanks are currently in operation. All of the tanks are periodically drained for cleaning purposes.

Study Area 10 - Tank Farm Two

- Tank Farm Two occupies approximately 60 acres immediately adjacent to Tank Farm One.
- Tank Farm Two consists of eleven 3.3 million gallon, concrete, underground storage tanks (Tanks #19 to #29) used to store diesel fuel.

Approximately 500 to 900 cubic yards of tank bottom sludge was reportedly disposed on the ground surface in the vicinity of tanks being cleaned during the 1940s to 1970s.

The tank farm is currently operational. Tanks are periodically drained for cleaning purposes.

Study Area 11 - Tank Farm Three

Tank Farm Three occupies approximately 30 acres southwest of Lawton Brook and the Reservoir along Defense Highway. Tank Farm Three is located south of Tank Farm Two and north of Tank Farm Four.

- Tank Farm Three consists of five 1.5 million gallon, concrete, underground storage tanks (Tanks #32 to #36) used to store JP-5 jet fuel and two 3 million gallon, steel, underground storage tanks (Tanks #69 and #70) used to store JP-4 jet fuel.
- The tank farm is currently operational. Tanks are periodically drained for cleaning purposes.

Study Area 17 - Gould Island Electroplating Shop

The Gould Island Electroplating Shop is located in the southwestern corner of Building 32 on Gould Island. Building 32 is presently vacant, however, the tank baths, plating tanks and degreasing tanks used in the electroplating process are still within the shop.

Available information indicates that both electroplating and degreasing operations were conducted in Building 32 during the mid-1940's.

- The disposal location of waste material generated from the electroplating and degreasing operations are unknown; however, the 1983 IAS suggests that waste materials and floor drain outfall locations were likely directed to discharge pipes leading to off-shore outfalls.
- Elevated levels of metals were detected in sediment samples collected from Narragansett Bay near a suspected pipe outfall for Building 32.

Study Area Comments and Questions

- Question: Mr. Jeff Crawford (RIDEM) asks if all of the tanks at Tank Farm Three are currently in use?

Response: Mr. Jim Peronto (TRC-ECI) stated that all of the tanks are in currently in use, but they are occasionally closed for servicing and cleaning operations.

Mr. Jeff Crawford (RIDEM) stated that his department has a confidential report concerning past sludge disposal areas at Tank Farm 1. RIDEM will provide TRC-ECI with the report for use in developing the site inspection Work Plan.

Mr. Jeff Crawford (RIDEM) suggested that a ground water divide may be located through Tank Farm 2; with ground water in the eastern portion of the site heading to the east towards a trout pond.

Mr. Franco LaGreca (US Navy) stated that under a RCRA investigation, samples were collected throughout the Gould Island Electroplating Shop for analytical testing. This information will be presented in the Study Area Work Plan and used to develop the study area investigation. The Army Corp of Engineers will also begin their environmental investigations of Gould Island within the year.

Ms. Carol Keating (USEPA) requested that tours of both the RI sites and study areas be conducted with the EPA and RIDEM so that appropriate background sample locations can be identified prior to the start of any field work.

- Mr. Robert Smith (TRC-ECI) stated that the study area investigations are being developed to include sufficient investigative work such that the sites can either be removed from any additional studies or potentially considered further under a RI.

Mr. Jim Peronto (TRC-ECI) requested that any information which either the EPA or RIDEM may have or be aware of concerning the study areas be provided to the Navy and TRC-ECI for their use in the site investigations. Any such information could prove very useful in developing the study area Work Plan.

GENERAL COMMENTS AND QUESTIONS, Mr. Franco LaGreca - US Navy, Northern Division

Question: Mr. Peter Merritt representing the Community Action Committee (CAC) (Portsmouth, RI) asked if Tank Farm One Tank 17, which was previously noted as being under repair, is leaking?

Response: Mr. Jeff Crawford (RIDEM) stated that an investigation is underway to determine if the tank is leaking and the TRC will be updated on the findings of the investigation when available.

Question: Mr. Peter Merritt (CAC, Portsmouth, RI) asked whether the Navy has a plan in place which would indicate when a release has occurred from the underground storage tanks?

Response: Mr. Franco LaGreca (US Navy) stated that at the currently inactive Tank Farms 4 and 5, monitoring wells located around the perimeter and within the tank farms would identify whether a release has occurred. At Tank Farms 1, 2, and 3, monitoring of individual underground storage tanks are conducted in accordance with the required State of Rhode Island regulations and requirements.

The 20th TRC meeting for the Newport Installation Restoration Program (IRP) was adjourned at 11:30 AM. The next TRC meeting is tentatively scheduled for mid-July.

ATTACHMENT A

TECHNICAL REVIEW COMMITTEE MEETING
MARCH 26, 1992
NETC NEWPORT RHODE ISLAND

NAME	ORGANIZATION	PHONE
1. FRANCO LA GRECA - RPM - NORTHERN DIVISION		[REDACTED]
2. Rachel Marino - NETC Code ADE		[REDACTED]
3. John Tagalls - NUWC code 524		[REDACTED]
4. Michael Kulbersh - EDM		[REDACTED]
5. Carol Keating	USEPA Region I	[REDACTED]
6. Jeffrey P. Crawford	RIDEM	[REDACTED]
7. Paul Kulas	RIDEM	[REDACTED]
8. Val Migliore	RIDEM WATER RESOURCES	[REDACTED]
9. FRANK O'Neill	City of Newport	[REDACTED]
10. Bob Johnston	NCCOSC / URI-GSO	[REDACTED]
11. Peter Merritt	PORTSMOUTH CAC	[REDACTED]
12. David Sanders	NETC Public Affairs	[REDACTED]
13. ROBERT V. HUMPHREYS	NETC PUBLIC WORKS	[REDACTED]
14. Thomas McMorrow	TRC-ECI	[REDACTED]
15. Mark E. Kivinsky	WATER FACENCOM	[REDACTED]
16. TODD BOBER	NORTHERN DIVISION	[REDACTED]
17. JIM PEROUTO	TRC-ECI	[REDACTED]
18. STEVE FARRICH	TRC-ECI	[REDACTED]
19. ROBERT SMITH	TRC-ECI	[REDACTED]
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ATTACHMENT B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

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

NOTICE OF PUBLIC COMMENT PERIOD

March 30, 1992

The United States Environmental Protection Agency (EPA) is providing notice of availability for public review of the Federal Facility Interagency Agreements (FFA) signed by the Navy, the State of Rhode Island, and the EPA on March 23, 1992. The comment period will open on March 30, 1992, and will close May 13, 1992. Comments may be sent to the address below.

The FFAs outline response action requirements under the Department of Defense Installation Restoration Program at the Newport, Rhode Island Naval Education and Training Center (NETC) National Priorities List (NPL) hazardous waste site and the Davisville, Rhode Island Naval Construction Battalion Center (NCBC) NPL hazardous waste site.

The Newport NETC is located on Aquidneck Island in Newport County. The NETC facilities are used for training more than one third of all officers entering the naval service each year, as well as large numbers of other personnel. Many of the associated training activities have required the use, handling, and disposal of hazardous materials.

The Davisville NCBC is located in the towns of North Kingstown and East Greenwich, Rhode Island. NCBC facilities were used mainly for construction and mobilization functions. These functions resulted in the disposal of a variety of hazardous substances at the site.

Fact sheets providing additional information about the FFAs, along with copies of the FFAs themselves, are available for public review at the following locations:

U.S. EPA Records Center, 90 Canal Street, Boston, MA (Both NCBC and NETC FFAs will be available at this location.)

North Kingstown Public Library, 100 Boone Street, N. Kingstown, RI (This location will have the NCBC FFA only.)

Newport Public Library, 300 Spring Street, Aquidneck Park, Newport, RI; Middletown Public Library, 700 West Main Road, Middletown, RI; Portsmouth Public Library, 2658 East Main Road, Portsmouth, RI (These locations will have the NETC FFA only.)

The public comment period will run from March 30 through May 13, 1992. Written comments should be mailed, postmarked no later than May 13, 1992, to:

Carol Keating
U.S. Environmental Protection Agency
Waste Management Division
JFK Federal Building (HAN-CAN1)
Boston, Massachusetts 02203
(617) 573-5764

Additional information on the documents can also be obtained from the address above. The Navy, the State of Rhode Island, and EPA will review public comments received and determine whether or not modifications to the agreement are required.

