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NSWC WHITE OAK
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MEMORANDUM

Date: August 2, 1989
To: Capt. R. W. Moore, TRC Chairman
From: A. K. Pace, Malcolm Pirnie, Inc. *AKP*
Re: Meeting Minutes
TRC Meeting #2
NSWC Remedial Investigation

The Technical Review Committee (TRC) Meeting #2 was held at the Naval Surface Warfare Center (NSWC) on July 26, 1989 at 1:00 p.m. The objective of this meeting was discussion of the draft Work Plan, Quality Assurance Project Plan (QAPP), and Health and Safety Plan.

The meeting was attended by the following TRC members:

<u>NAME</u>	<u>ORGANIZATION</u>
Capt. R. W. Moore, USN	Deputy Commander, Officer in Charge, NSWC - White Oak Lab
Mr. Edward Hammerberg	Maryland Dept of the Environment Hazardous Waste Program
Mr. Drew Lausch	EPA Region III Superfund
Ms. Victoria Greenfield	Prince George's County Dept of Environmental Resources
Capt. Philip M. Palmer USN Retired	Hillandale Citizens Association Representative
Ms. Lydia Chang	NAVFAC - Chesapeake Division

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The TRC representative from Montgomery County, Mr. James A. Caldwell, was not in attendance.

The meeting was also attended by the following:

<u>NAME</u>	<u>ORGANIZATION</u>
Mr. Frank Peters	NAVFAC - Chesapeake Division
Mr. David Turner	EPA Region III RCRA Corrective Actions
Mr. E. J. Olenginski, Jr.	NSWC - White Oak Environmental Protection Manager
CDR M. T. Hadbavny	NSWC, Director of Public Works
Lt. Joseph Pollard	NSWC, Public Works Officer
Ms. R. Diane Palermo	NSWC, Director, Public Affairs
Ms. Carol Frankenfield	NSWC, Environmental Office
Mr. Thomas J. Fisher	Malcolm Pirnie, Inc.
Mr. Anthony K. Pace	Malcolm Pirnie, Inc.

At 1:20 p.m., the meeting was called to order by Capt. Moore, TRC Chairman. Capt. Moore requested, by motion, approval of the last TRC Meeting's minutes. Mr. Ed Hammerberg requested that his organization be listed as Hazardous Waste Program instead of Hazardous Waste Enforcement Division as listed originally. This change was noted. All members approved the minutes as revised.

A request by Capt. Moore for Mr. Lausch's signature on the TRC charter followed. Mr. Lausch indicated that he should not sign the charter at that moment but rather take the signature page back to EPA Region III for a superior to sign it. This was approved by the members and once signed, the TRC charter and signature page will be sent back to NSWC - White Oak. The TRC charter and signature page will be subsequently copied and forwarded to all TRC members for their files.

Capt. Moore officially welcomed all TRC members and other attendees to NSWC - White Oak and presented a brief personal history on his military assignments and background.

At Capt. Moore's request, the TRC opted for an informal meeting rather than a formal meeting style at this time. Capt. Moore turned the meeting over to Mr. Fisher.

Mr. Fisher briefly described the Remedial Investigation/Feasibility Study process and that the previous Confirmation Study report had been given to all TRC members at the first TRC meeting. He stated that two companion documents would be used to support the field activities described in the Work Plan. These two documents, the Quality Assurance Project Plan and Health and Safety Plan, were then opened up for comment and discussion. The two plans were not amended by the TRC.

OK

Mr. Anthony Pace described, in a site by site format from the Work Plan, the field activities to be accomplished during this remedial investigation. This discussion included soil gas surveys, ground penetrating radar surveys, well installation, and environmental sampling. During this time, the TRC voted to include an additional monitoring well at Site 8 of the fence line that separates the residential area and the facility property. *next to*

problems with the work plan

Mr. Fisher concluded the discussion on the work to be accomplished in the remedial investigation by discussing the project schedule and a tentative date for the next TRC meeting. The schedule called for a field activities completion date of February 1990 but Mr. Fisher stated that this date may be shortened by a month or so assuming that all field work and analytical work went as planned with no significant delays.

Mr. David Turner discussed the RCRA aspects of the White Oak facility. He stated that the RCRA Corrective Action reports will be folded into the RCRA Part B permit requirements. He would plan a Visual Site Inspection at a later date. He would also incorporate work performed to date on the seven sites under the IRP program but that additional Solid Waste Management Units (SWMUs) may be included, some within the 7 sites under investigation under CERCLA. The HSWA order may be issued in conjunction with the state permit sometime in FY90. The relationship between CERCLA and RCRA is still unclear. *Facilities*

Wavy's view

Sp. out

The questions and answers are summarized as follows:

- Q. Mr. Palmer asked what type of clothing would be worn by personnel during the field work and would it be alarming to the community?
- A. Mr. Fisher replied that only colored coverall-type clothes would be worn during the field activities which should not alarm anyone. Established protocols and OSHA guidelines prescribe the types of clothing to be worn but no "moon" suits with respiratory protection are anticipated.

Q. Capt. Moore asked what was on the outside of the facility at Site 2?

A. Mr. Olenginski stated that area was wooded but that there were some apartments being constructed.

Q. Capt. Moore asked if respiratory protection would be used at Site 2 if high gas readings were measured during the soil gas survey?

working }
A. Mr. Fisher replied that since only 1/4" holes that were 3 feet deep would be installed and measured, there was little chance that the organic concentrations would be so elevated that respirators would be required.

Q. Mr. Hammerberg asked if Petrix would be used for soil gas testing?

A. Mr. Fisher stated that since only target volatile compounds were identified and to be measured, direct reading HNu/OVA type instrumentation would be adequate to measure the shallow soil.

Q. Mr. Lausch asked about possible erosion of the landfill at Site 2 and if any seeping liquid was noticed from it during the rainy season?

A. Mr. Olenginski stated that ^{there} ~~were~~ was some erosion but no liquid had been seen seeping from the landfill. There is significant vegetation on the slope of the landfill and major erosion is not expected. Mr. Fisher added that no discolored leachate was present during our initial studies but that during the rainy season more erosion is possible.

*no
leachate
or no
leachate*

Q. Mr. Hammerberg asked if any electromagnetics had been performed at Site 4?

A. Mr. Fisher replied that some conductivity work was done during the Confirmation Study but it did not give an accurate location of the burial sites. Mr. Pace added that ground penetrating radar (GPR) surveys were to be performed at Sites 4 and 8 to hopefully locate these burial sites and pits.

Q. Mr. Hammerberg asked about interferences from power lines during the GPR survey at Site 4?

- A. Mr. Fisher responded that according to the GPR subcontractor, if the GPR is performed perpendicular to the power lines, the interference can be removed from the GPR data set. According to the manufacturer, at 100 ft or so from the power lines, no interference should be detected.
- Q. Mr. Hammerberg asked if there was underground burial of explosives at Site 7?
- A. Mr. Olenginski responded that no explosives were buried at the site, they were just burned on the surface.
- Q. Capt. Moore asked if anyone had a problem with installing a monitoring well ~~on~~ the fence line between the residential area and Site 8? *next to*
- A. All TRC members thought that a well should be installed there and that it was a good idea to see if any contamination was migrating that direction.
- Q. Mr. Lausch asked if the residences around Site 8 were on public water supplies or on private wells?
- A. Mr. Palmer responded that there may be some wells in the area but that all homes were on public water supply for their drinking water.
- Q. Mr. Hammerberg asked why only one small area in Site 9 was receiving a soil gas survey?
- A. Mr. Pace responded that, due to personnel interviews and old records, this area appears to have been the area where several leaching wells and drain field for the industrial wastewater were located.
- Some* Q. Capt. Moore asked what was located outside the facility at the locations where Paint Branch Creek entered and exited the facility?
- A. Mr. Olenginski stated that park land was located where the creek entered the facility and Harry Diamond Laboratory was located where the Paint Branch Creek departed the facility.
- Q. Mr. Palmer asked what the public meeting was for?

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- A. Mr. Fisher responded that the public meeting is designed to report to the local community and any other interested parties the results of the field activities and the analytical results of the samples collected. Capt. Moore stated that the Public meeting would be held at NSWC-White Oak.

Mr. Lausch stated that it may take 2 weeks to get his written comments on the three plans to Mr. Turner for his review.

A deadline for receipt of written comments on the plans was established at August 17, 1989 to ensure they were addressed in the plans. All present agreed to telephone any problems they discovered while reviewing the plans prior to submitting their written comments. A start date of 1 Sept was approved by the TRC for initiation of field activities. It was agreed that if comments were not received by the mid-August date, the contractor was to initiate field activities as described in the plans under the assumption that everyone is in agreement with the plan of action.

The meeting was then adjourned by Capt. Moore at 2:45 p.m.

A site tour immediately followed the meeting.

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c: All in Attendance

bc: T. A. Ritter, PAR
R. F. Bonner, Jr., NEW
T. J. Fisher, NEW
✓ A. K. Pace, NEW

File: White Oak II, File 15

DI: JTM3.AKP

TRC MEETING #2 (JULY 26, 1989) AGENDA

- I. Introduction by Captain Richard W. Moore
- II. TRC Meeting #1 Summary
- III. Brief Overview of RI Study Field Activities - Site by Site
- IV. Quality Assurance Project Plan (QAPP) Overview
- V. Health and Safety Plan Overview
- VI. Schedule for RI Activities - Completion Dates and Milestones
- VII. Tentative Date for TRC Meeting #3
- VIII. Tour of RI Sites
- IX. Adjourn

I. INTRODUCTION BY CAPT MOORE

Capt Moore calls the TRC meeting to order.

II. MARCH 16, 1989 TRC MEETING SUMMARY

1. Capt Landrum: Introduction to NSWC
Navy IRP Overview - IAS
Confirmation Study
Remedial Actions
2. Malcolm Pirnie: Descriptions of the 7 Sites (Location & History)
Verification Phase Activities: Sampling Program
Data Evaluation
Verification Phase Analytical Results/Findings
3. Malcolm Pirnie: Proposed Activities for the Remedial Investigation
 - GPR
 - Soil Gas Surveys
 - Well Installations
 - Sampling ProgramTentative Schedule with Milestones
TRC Schedule Options
4. Question and Answer Session
5. Capt Landrum: TRC Charter
TRC Meeting Logistics

III. OVERVIEW OF RI STUDY FIELD ACTIVITIES

Site by Site Discussion to include ground penetrating radar surveys, soil gas surveys, monitoring well/piezometer installations, and environmental sampling.

IV. QUALITY ASSURANCE PROJECT PLAN (QAPP)

The QAPP is designed to detail the desired data quality goals necessary to provide accurate, precise, and reliable measurements. The QAPP assures that all field, sampling and analytical procedures are conducted within acceptable limits to provide the desired level of data quality. Data quality goals are directly dependent on several key factors including the project team's organization, sampling and sample custody procedures, analytical procedures, calibration procedures, preventative maintenance, data analysis and reporting requirements, and auditing procedures. All these procedures assure that data generated during the RI are of the highest quality and comply with the overall quality objectives of the project.

V. HEALTH AND SAFETY PLAN

The Site Safety and Health Plan has been developed to protect the health and welfare of investigation personnel, NSWC personnel and the surrounding community during the performance of field investigation activities at, and in the immediate vicinity of NSWC. Safety, health, and emergency response procedures are outlined for preventing accidents and protecting personnel from injury and occupational illness. Included in this plan are the assignment of responsibilities, personnel protection requirements, safe work practices and emergency response procedures.

VI. SCHEDULE FOR RI ACTIVITIES

Attached schedule includes field activities and tentative TRC meetings.

VII. TENTATIVE DATE FOR TRC MEETING #3

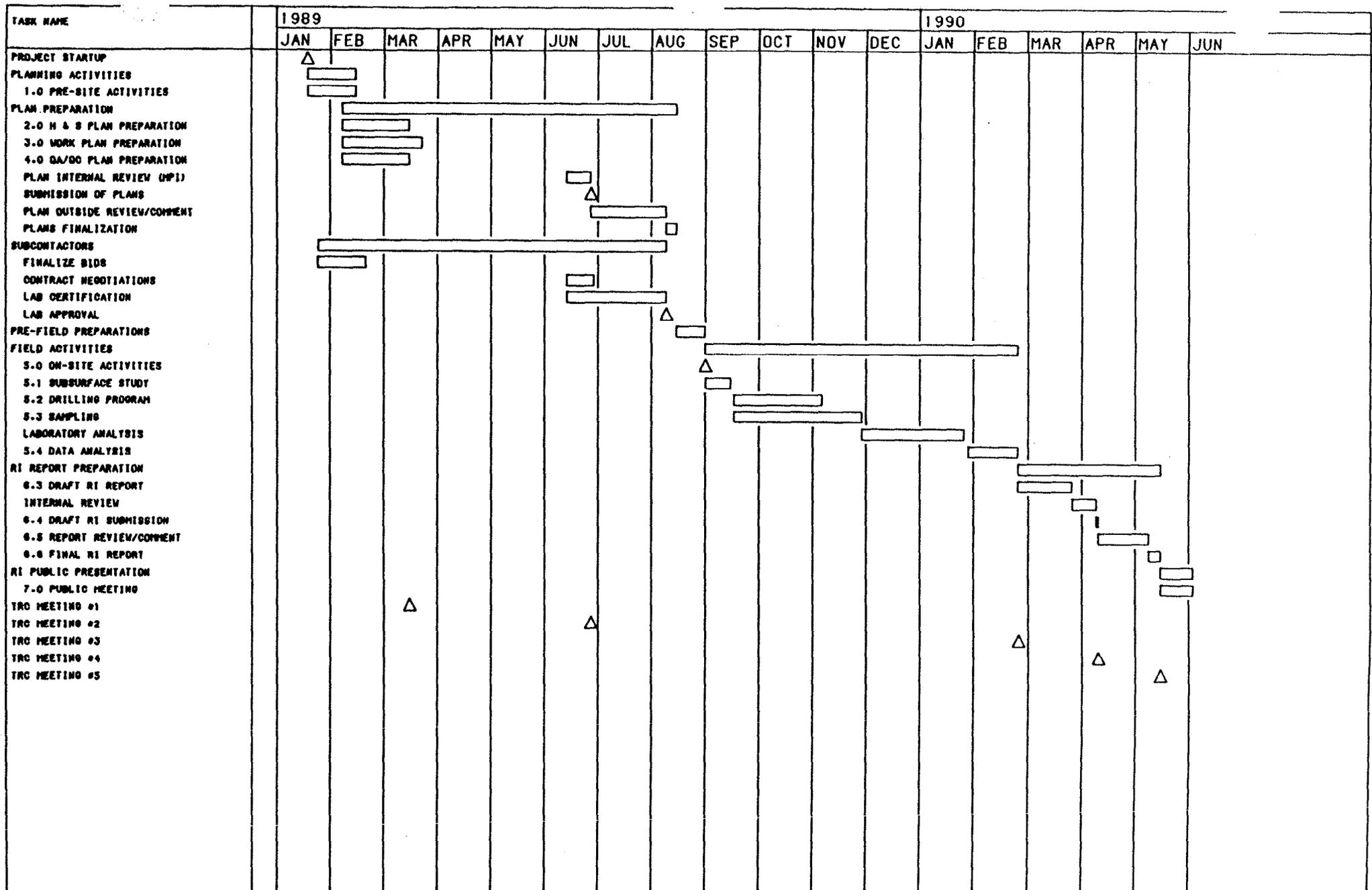
Establish a tentative date for the third TRC meeting.

VIII. TOUR OF RI SITES

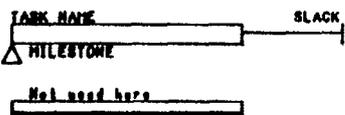
A visit by TRC members to the RI sites is scheduled for 2:15 pm.

IX. ADJOURN

Adjournment of meeting will take place after tour of sites is completed, and if there are no further items to discuss.



LEGEND



WHITE OAK REMEDIAL INVESTIGATION SCHEDULE

FIGURE 3-2