



WESTON WAY
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6 March 1991

Jerry Hoover
Northern Division
NAVAL FACILITIES ENGINEERING Command
Building 77L. U.S. Naval Base
Philadelphia, PA 19112-5094

Dear Jerry,

Enclosed, are the minutes from the TRC meeting held on 13 February 1991.

If you have any questions concerning this submittal, please contact me at (215) 430-7256.

Very truly yours,

ROY F. WESTON, INC.

A handwritten signature in cursive script that reads "John A. Williams, Jr.".

John A. Williams, Jr.
Senior Project Geologist
Geosciences Department

JAW/nrw

Attachments

cc: E. Neilands - NAVFAC
K. Sheedy - WESTON
R. Johnson - WESTON

MEMORANDUM

TO: Technical Review Committee (TRC) Personnel
FROM: J. Williams (Roy. F. Weston, Inc.)
DATE: 5 March 1991
PROJECT: Naval Weapons Station Earle, Colts Neck, NJ
SUBJECT: Installation Restoration Program, Phase II Remedial Investigation/Feasibility Study.

At the request of NAVFAC I am forwarding a copy of the minutes of the TRC meeting on 13 February 1991.

Should you have any question, please call Rich Johnson at (215) 430- 7315 or John Williams at (215) 430-7256.

JAW/nrw

**Minutes of the
Technical Review Committee (TRC) Meeting**

Location: NWS Earle, Colts Neck, New Jersey

Time: 13 February 1991, 10:05 a.m.

Objectives: Discuss Agenda Items (Attachment I)

Attendees: See Attachment II

Chairman: Mr. Jerry Hoover (NAVFAC)

Agenda Item 1 - **Opening Remarks and Introduction**

J.HOOVER (NAVFAC) - Mr. Hoover opened the meeting by asking all the participants to introduce themselves while he distributed the agenda (Attachment I). Mr. Hoover asked if there were any questions on the last meetings minutes.

No questions or comments were raised regarding previous minutes.

J.HOOVER - This meeting will focus on the finalization of the Remedial Investigation (RI) documents, the status of the RI field work, and the Site Investigation (SI) study. Prior to discussing the finalization of the RI documents Rich Johnson (WESTON) will brief the TRC on the status of the RI.

Agenda Item 2 - **Finalization of Remedial Investigation (RI) Documents**

- (J. HOOVER requested that this agenda item be "shelved" until last to be discussed with EPA and NJDEP, as not to take the time of the other TRC members).

Agenda Item 3 - Status of the RI Field Work

- R.JOHNSON (WESTON) - R. Johnson presented the following overhead summaries:
- Schedule of RI Field Work to Date (Attachment III)
 - Originally the RI monitoring well installation was undertaken using two drilling rigs. However due to the unseasonably warm weather and subsequent soft ground surface conditions some well locations became inaccessible to the conventional tire rigs. Therefore it became necessary complete the remainder of the wells employing the single track mounted rig available. The number of wells completed to date are shown in the overhead.
 - Schedule of RI Field Work Remaining (Attachment IV)
 - This overhead shows the schedule for completion of RI field activities. It shows the completion dates for the soil sampling, groundwater sampling, slug test and test pit activities.
 - Waste Characterization (Test Pits) has been tentatively scheduled since there are some contractual issues outstanding. NOTE: The issues have since been resolved and Test Pit activities are scheduled to commence in March, 1991.
 - Summaries of Analytical Requirements (soils, sediments, surface water and groundwater)
- G.GOEPFERT (NWS EARLE) - When will the preliminary groundwater results be available?
- G.DERUZZO (WESTON) - WESTON has a 30 day turn around time scheduled between sample collection and reporting of the results.
- J.HOOVER - Mr Hoover inquired why there were three sampling rounds proposed.
- R.JOHNSON - Three sampling rounds were proposed early on in the program to confirm initial results and check variability.

J.FREUDENBERG - Will a detailed sampling schedule be developed; for example which sites will be sampled on which dates?
(NJDEP)

P.INGRISANO - A more detailed schedule would be helpful.
(USEPA)

R.JOHNSON - Weston can provide a detailed sampling schedule. We have set a starting date, of next Wednesday (20 February,1991) for soil, sediment and surface water sampling.
NOTE: This date was subsequently moved back to 27 February, 1991 by general consent, to accommodate coordination between WESTON, EPA, and VERSAR (EPA's consultant).

D.WEEKS - Pointed out that there was an inconsistency in the well screen specifications of .010 in the RI Work Plan, and 0.20 in the Quality Assurance Project Plan (QUAPP).
(VERSAR)

R.JOHNSON - We are aware of that and will make the necessary correction in the ADDENDUM to the QUAPP. The screen size that we are using is 0.20.

P.INGRISANO - Will EPA get an addendum?

R.JOHNSON - Yes will send out a separate addendum.

J.HOOVER - We can finalize these issues in a conference call.

T.SUDNIK - How available is the RI data to the general public and to the Health Dept?
(MON.CO.HD)

R.FINI - The Navy keeps the reports on file for reference.
(NAVFAC)

SINCE THERE WERE NO OTHER COMMENTS OR ISSUES REGARDING THIS AGENDA ITEM, MR. HOOVER PROCEEDED TO THE NEXT AGENDA ITEM.

Agenda Item 4 - Federal Facility Agreement (FFA)

- J.HOOVER - Mr. Hoover moved on to F.F.A. issue.
- P.INGRISANO - EPA received authorization that Region II can sign off on FFA. The FFA will go out for public comment as soon as it is signed.
- P.MULDROW - We will be responsible for giving copies of the FAA to elected officials.
- J.HOOVER - Right now our main concern is coming up with a schedule.
- J.FREUDENBERG - Paul, is there a need for a public meeting regarding the FFA at this time?
- P.INGRISANO - It is not required at this time. However it will be necessary when it comes to the Record of Decision (ROD) stage.

Agenda Item 5 - Site Investigation (SI)

- J.HOOVER - It is important that the SI, which covers 16 other sites, get back on track. I would like to establish a date to conduct a field reconnaissance of the SI sites for all those involved. I would like to see the SI Work Plan finalized by summer.
- R.JOHNSON - An SI Work Plan has been produced in draft form. The existing QUAPP and Health And Safety Plan being used on the RI study, can be "slid" right into the SI study with minor changes in the form of an addendum.

Note : A date for 28 February, 1991 (Thursday) was set for the SI site reconnaissance.

Agenda Item 6 - Community Relations

J.HOOVER - An Installation Restoration (IR) audit was conducted at Northern Division. The auditor commended NAVFAC for their community relation. Much of the credit for the community relations at NWS EARLE goes to Mrs. Pat Muldrow.

P.MULDROW - Because of tighter security brought about by the current situations in the Middle East, I could not open the RI work to the media outside like I had initially planned. However we were able to cover the RI activities through the internal Public Affairs staff.

Note: A copy of the press release covering the RI Activities from the Station Newspaper is included.

Agenda Item 7 - Conclusions and Discussion of Next TRC Meeting

J. HOOVER - Mr. Hoover concluded the meeting by announcing that after the close of the meeting specific RI document issues would be discussed with those parties wishing to remain.

A date of 9 April 1991 was established for the next TRC meeting.

NOTE: The next TRC meeting has since been rescheduled to 2 April, 1991. A memo will be forthcoming.

At approximately 1115 hours the meeting was adjourned.

**Issues and Items Discussed
after the TRC Meeting
Regarding the RI Documentation and other RI Activities**

- J. HOOVER - The RI Work Plan has been completed and distributed. Anyone needing a copy let me know.
- R. JOHNSON - WESTON has prepared an Addendum to the QUAPP. Some issues (i.e., detection limits for pesticide/PCB) need to be resolved.
- P. INGRISANO - EPA has to approve the Brosman Short Form. A. Jackson is presently reviewing. We would like our comments responded to " item by item in the Addendum.
- R. JOHNSON - Additional items addressed in the Addendum are as follows:
- 1). Decon water is being drummed. (Disposition of the waste water will be dependant upon the analytical results).
 - 2). Based on the historical water quality results of the existing wells, we made a judgement call. In the past it was accepted that the water purged from these wells would not need to be containerized. EPA presented the issue that some BNA were present in a couple of the analytical results.
- P. INGRISANO - Asked why we were not containerizing all drill cuttings.
- J. WILLIAMS - Responded that all drill cuttings are being handled consistent with the procedures documented in the QUAPP. Any cutting which exhibits signs of contamination (i.e., odor, organic vapors, discoloration) will obviously be containerized.
- R. JOHNSON - Results will be provided for both organic and inorganic analysis for CLP water.
- J.FREUDENBERG - Detection limits for pesticide/PCB need to be resolved. DEP suggested that we contact either J. Monroe or L. Zeider at 292-8427.

The issues regarding well development and turbidity-free endpoint was presented. J. Williams and L. Welkom are to discuss this issue and determine what is a sufficient volume of discharge to satisfy development criteria.

A conference call was arranged to discuss QUAPP issues. The call was scheduled for 11 a.m., 14 February, 1991 with EPA, NAVFAC, and WESTON.

On a related issue, EPA is to identify any problems with the Brosman Short Forms during the conference call. WESTON is to address Heartland data validation issues.

WESTON to distribute updated portions of the Health and Safety Plan.

WESTON and NJDEP established the well development criteria. A summary of those criteria follows:

- 1). Achieve a consecutive three-point statistical deviation of +/- 5 - 10% for the indicated parameters (pH, specific conductance, temperature), or;
- 2). Achieve turbidity-free and/or sediment-free discharge.

ATTACHMENT I

AGENDA FOR TRC MEETING
FEBRUARY 13, 1991
NAVAL WEAPONS STATION (NWS)
EARLE, NEW JERSEY

TRC Opening Remarks and Introduction

- * Introductions
- * Comments on previous meeting minutes

Jerry Hoover
NORTHNAVFACENGCOM

Finalization of Remedial Investigation (RI) Documents

- * Remedial Investigation Work Plan
- * Quality Assurance Project Plan
- * Health and Safety Plan

Open for Discussion
Rich Johnson
WESTON

Status of RI Field Work

- * RI Field Work completed to date
- * Schedule for remaining RI Field Work
- * Question and Answer Period

Presentation by
Rich Johnson &
John Williams
WESTON

Federal Facility Agreement (FFA)

Open for Discussion
Paul Ingrisano
EPA Region II

Site Investigation

- * Establish Date for Site Visit

Open for Discussion
Jerry Hoover
NORTHNAVFACENGCOM

Community Relations

Pat Muldrow
NWS Earle

Conclusion and Discussion of Next Meeting

ATTACHMENT II

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Name _____

Title _____

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Telephone Number _____

ATTACHMENT III
COLTS NECK/NWS EARLE
PROGRESS REPORT
AS OF 2/11/91

| WELL NUMBER | DATE |
|--------------------|-------------|
| MW 11-4 | 1-14-91 |
| MW 11-5 | 1-15-91 |
| MW 26-4 | 1-15-91 |
| MW 19-4 | 1-15-91 |
| MW 19-5 | 1-16-91 |
| MW 10-4 | 1-17-91 |
| MW 10-7 | 1-17-91 |
| MW 10-5 | 1-17-91 |
| MW 5-5 | 1-18-91 |
| MW 5-6 | 1-22-91 |
| MW 5-7 | 1-23-91 |
| MW 2-5 | 1-24-91 |
| MW 2-6 | 1-24-91 |
| MW 2-7 | 1-25-91 |
| MW 3-7 | 1-29-91 |
| MW 3-4 | 1-30-91 |
| MW 3-5 | 2-05-91 |
| MW 4-4 | 2-08-91 |
| MW 3-6 | 2-11-91 |
| MW 10-6 | |
| MW 5-8 | |
| MW 19-6 | |
| MW 4-5 | |
| MW 4-6* | |
| MW 7-4 | |
| MW 7-5 | |

* Renumbered from previous number MW 4-7

ATTACHMENT IV

**SCHEDULE FOR PHASE III COMPLETION OF
THE RI FIELD ACTIVITY
NWS EARLE (UPDATED 3/06/91)**

| | | |
|-----------------------------------|-------------|-------------|
| MONITOR WELL INSTALLATION | JANUARY 14 | FEBRUARY 28 |
| SOIL/SEDIMENT SAMPLING | FEBRUARY 27 | MARCH 6 |
| GROUNDWATER SAMPLING (ROUND 1) | MARCH 11 | MARCH 25 |
| SLUG TESTS | MARCH 25 | MARCH 29 |
| TEST PITS (TENTATIVE) | MARCH 18 | MARCH 22 |
| ELEVATION SURVEY (TENTATIVE) | MARCH 25 | APRIL 25 |

**(RI) SOIL/SEDIMENT AND SURFACE WATER
SAMPLING SCHEDULE
NWS EARLE, FEBRUARY - MARCH 1991**

| <u>EPA Split Samples</u> | <u>Site Number</u> | <u>Proposed Date</u> |
|--------------------------|--------------------|--------------------------------|
| No Splits | Site 26 | 27 February 1991 |
| Splits for RAS Lab | Site 19 | 28 February - 01 March 1991 |
| Splits for RAS Lab | Site 20 | 04 March 1991 |
| Splits for RAS Lab | Site 22 | 04 March 1991 |
| Splits for SAS Lab | Site 2 | 05 March 1991 |
| Splits for SAS Lab | Site 11 | 05 March 1991 |
| Split 1 of 2 Sites | Site 4 | 06 March 1991 |
| Split 1 of 2 Sites | Site 10 | 06 March 1991 |

(RI) GROUNDWATER
SAMPLING SCHEDULE
NWS EARLE,
MARCH 1991

| SITE NUMBER | PROPOSED DATE* |
|--------------------|-----------------------|
| SITE 26 | MARCH 11, 1991 |
| SITE 10 | MARCH 12, 1991 |
| SITE 10,2 | MARCH 13, 1991 |
| SITE 2,11 | MARCH 14, 1991 |
| SITE 11 | MARCH 15, 1991 |
| SITE 4 | MARCH 18, 1991 |
| SITE 19 | MARCH 19, 1991 |
| SITE 3 | MARCH 20, 1991 |
| SITE 3,5 | MARCH 21, 1991 |
| SITE 5,7 | MARCH 22, 1991 |
| SITE 7 | MARCH 25, 1991 |

* This schedule is contingent upon site accessibility. Flexibility within this schedule of +/- 1 to 2 days must be allowed to account for the efficiency of the sampling crew.

The U.S. EPA and the Navy agree to coordinate

Naval Weapons Station Earle, Colts Neck — The U.S. Environmental Protection Agency (EPA) and the Department of the Navy have signed an Federal Facilities Agreement (FFA) to coordinate cleanup activities for the Naval Weapons Station Earle National Priorities List (NPL) site in Colts Neck, New Jersey. The Earle site is on EPA's list of hazardous waste sites targeted for cleanup under EPA's Superfund program. This agreement, which will be available for public comment, outlines the environmental process to be used in making a decision on the cleanup of the site. Though not an actual signatory to the agreement, the State of New Jersey is participating in the technical review process.

Commenting on the FFA, EPA Regional Administrator Constantine Sidamon-Eristoff said, "I am very pleased by this agreement. Federal Facilities Agreements should be comprehensive documents that address hazardous response activities from the initial phase study right through the implementation and completion of remedial action." He also noted, "though the Navy will be performing the work, the FFA will afford EPA a strong and well-defined oversight role. The agreement ensures that the site will be cleaned up in an expedient manner and will foster interagency communication," continued Mr. Sidamon-Eristoff. "I commend the Navy for the manner in which it has handled the NWS Earle NPL Site."

The Assistant Secretary of the Navy for Installations and Environment, Jacqueline E. Schafer, who signed the agreement for the Navy, said, "This agreement is important for two reasons. First it establishes a framework for the restoration and protection of the environmental quality of NWS Earle. Second, the document is a declaration of our determination to work cooperatively to solve problems. It is not a judicial order, it won't eliminate differences in judgement, but it does provide a mechanism for resolving differences as we move forward. I'm sure the excellent working relationship that has been established among our staffs will serve to ensure steady progress."

Elevated levels of volatiles, metals and petroleum hydrocarbons have been



Tom McCann, a worker for the Weston Company, takes an initial reading off of a "Split-spoon sample." These samples are taken every five feet as the test wells are drilled and examined for contaminants. Here the sample is being tested for dangerous gases that could harm the drilling crew.

detected in stream sediments and soil samples at the station. The 11,134-acre site has been under investigation for possible contamination since 1982. Under the Defense Environmental Restoration Program (DERP), the Navy has been assessing all its facilities to determine if any are contaminated and to what degree. Potential problems at NWS Earle are associated

with past disposal practices of municipal and industrial wastes. "If we discover any imminent threat from these waste sites to human health or the environment during continuing sampling or field work, we are committed to undertake cleanup actions," said Capt. Walter M. Migrala, Jr., the station's commanding officer.

In accordance with requirements set

station cleanup activities

forth by the Navy and EPA, a community relations plan has been developed to provide a means by which public concerns and information needs can be monitored throughout the ongoing investigation. A 45-day comment period commenced February 19, 1991, in which members of the public can submit their comments concerning the study and proposed cleanup outlined in the agreement. The agreement will be available for public comment at two repositories:

Monmouth County Library
Shrewsbury Branch
Route 35
Shrewsbury, NJ 07701

Colts Neck Library
Meyers Mill Road
Colts Neck, NJ 07722

Copies can also be requested from Paul

Ingrisano, EPA Project Manager, at (212) 264-6609 or from Pat Muldrow, public affairs officer for NWS Earle, at (201) 577-2171.

The goal of the environmental review process is to define the nature and extent of contamination and evaluate remedial alternatives, and then to reach a Record of Decision which selects a remedy. EPA will have final approval of the selected remedy. The Navy will design and implement the cleanup after a Record of Decision is issued.

During the study phase, the Navy will evaluate a range of remedial alternatives.

Site Background

In late 1982, the Navy initiated an initial assessment study at NWS Earle to collect and evaluate evidence as to the existence of hazardous wastes on the property. The findings were submitted to EPA and the New Jersey Department of Envi-

ronmental Protection (DEP) in 1983, identifying 29 hazardous waste disposal sites or spills at NWS Earle which posed a potential threat to human health or the environment. On October 15, 1984, NWS Earle was recommended for the National Priorities List (NPL). Of the 29 identified sites, it was agreed that 11 had the potential for contamination of soils and groundwater. Between 1984 and 1986, the Navy conducted field work at the site to determine the existence, concentration and extent of contamination. On August 30, 1990, NWS Earle was given final listing on the NPL.

Federal agencies are required to enter into interagency agreements with EPA prior to undertaking any remedial actions at federally-owned facilities on the NPL. Pursuant to the President's Executive Order 12580, the Navy was designated as the lead agency for this site, acting on behalf of the Secretary of Defense.



Tom McCann, takes careful notes to document exactly where soil samples are taken from. This information is important to determine locations and amount of contamination around the station. This information is then compiled into a report which will be used as a guide to clean up contaminated areas.