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NWS EARLE  
5090.3a**Minutes TRC Meeting February 16, 1989**

The meeting was called to order by Steve Vukelich, US Navy at 10:10 AM.

Mr Vukelich presented a recap of activities that have occurred since the December TRC meeting. These activities included the site tour for interested TRC members. The Report of Current Situation and Draft Plan of Action, a project definition report prepared by Roy F. Weston was sent out and received during the week of February 6. Of the 29 sites identified in the Initial Assessment Study 11 of the sites are considered in the report. The report was a description of the philosophy behind the proposed site investigations and is not a final work plan.

Mr Vukelich provided a narrative schedule of the events associated with the Remedial Investigation plans. These were:

April 14, 1989 - Work plan will be delivered.

May 15, 1989 - Comments on the Work Plan are to be received by the Navy.

The May TRC meeting is Scheduled for May 11.

The Work Plan final report is due in June.

Field work is scheduled to begin in August.

The schedule for the 16 sites is as follows:

The contract will be let in March.

Draft work plans for the 16 sites are to be submitted in July.

Mr. Tamm (ROY F. WESTON) was introduced to provide a recap of the sites, wastes disposed and the description of the proposed activities that plan on the sites.

Mr Tamm provided an overview of the remedial investigation feasibility study goals and the current plans to eliminate the identified data gaps. (The overhead transparencies are attached to these minutes.) The eleven sites were examined individually. Comments on the sites included:

Site 4: There is a need to identify the trench burning areas on the site. The soil borings are intended to provide stratigraphic data to help determine the reason for the springs and chemical information to determine if the leachate from the site is present in the springs.

Site 5: The Landfill had an DEP approved cover. Discussion concerning site specific recommendations was initiated by Donald Fulton, Versar, Inc. (EPA). Mr Fulton relayed Ms Karas's (EPA) view that the work plan be postponed until the Navy receives the comments. Frank Franca, NJDEP, stated that at least two weeks were needed for review.

Site 7 Frances Donahue (Middletown Township) questioned

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whether there was a concern over the scrap metal indicated on the site map. John Boyer expressed concerns over the underground storage tanks present on the site. The Concerns should be addressed through the historical aerial photographs review.

Mr Franca proposed several general comments on the Weston project definition report. The first was that future reports should be assembled by site rather than topic. The second comment proposed that the TRC committee meet on a monthly basis. Mr Matthaey expressed concern that timely notification of participants could be a problem. Discussion followed informally with suggestions that the format of the Lakehurst TRC meetings be followed. This format included previous meeting minutes and proposed agenda being received prior to the TRC meeting. In addition a contractor progress report would be made available to the TRC members. Discussion followed as to the content and possible agenda for the meetings. Community input was sought. Middletown's consultant has recommended that future meetings not be attended due to their consideration that the sites are relatively unimportant.

Mr Vukelich proposed that the third wednesday of the month be set aside for the TRC meetings. The next TRC meeting was agreed after discussion to be held March 22,1989 at NWS Earle. At this meeting the comments on the report of current situation and Draft Plan of Action would be discussed.

The community representative of Howell and Wall township inquired if any site was of great importance. The John Boyer of the DEP said that site 19 will have to be cleaned up.

Discussion as to the binding nature of agreement made in the TRC meeting was initiated by Mr Matthaey ( US NAVY). The concern expressed was that the lack of the DEP's signature on the previous agreement to examine eleven sites has facilitated the request for examination of the previously discounted 16 sites. The result is that the Navy is no further to resolving the hazardous waste problems on the sites than they were at the conclusion of the confirmation study. F. Franca stated that decisions made by the DEP in writing will be honored. EPA suggested that the provisions of SARA under which the sites will be covered ~~has specific provisions that will resolve issues concerning which sites are to be investigated.~~ includes A

SPECIFIC PROCESS TO WHICH THE SITES ARE TO BE INVESTIGATED.

J. Tubello reiterated that the TRC meeting will be held 3/22 at 10 AM. The navy will notify the community. At this meeting future TRC meeting dates shall be set. Minutes of the current TRC meeting shall be distributed to the potential participants.

F. Franca suggested that the Navy provide a specific time schedule for site activities. This activity schedule should extend one year forward.

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F. Franca inquired as to the status of the underground storage tank (UST) program on Earle. The Navy responded that they have recently received the regulations and are in the planning stage currently.

J. Tubello stated that updates would be made at the TRC meeting.

F. Franca suggested the potential for leakage from USTs could possibly account for some of the contamination found on the eleven sites.

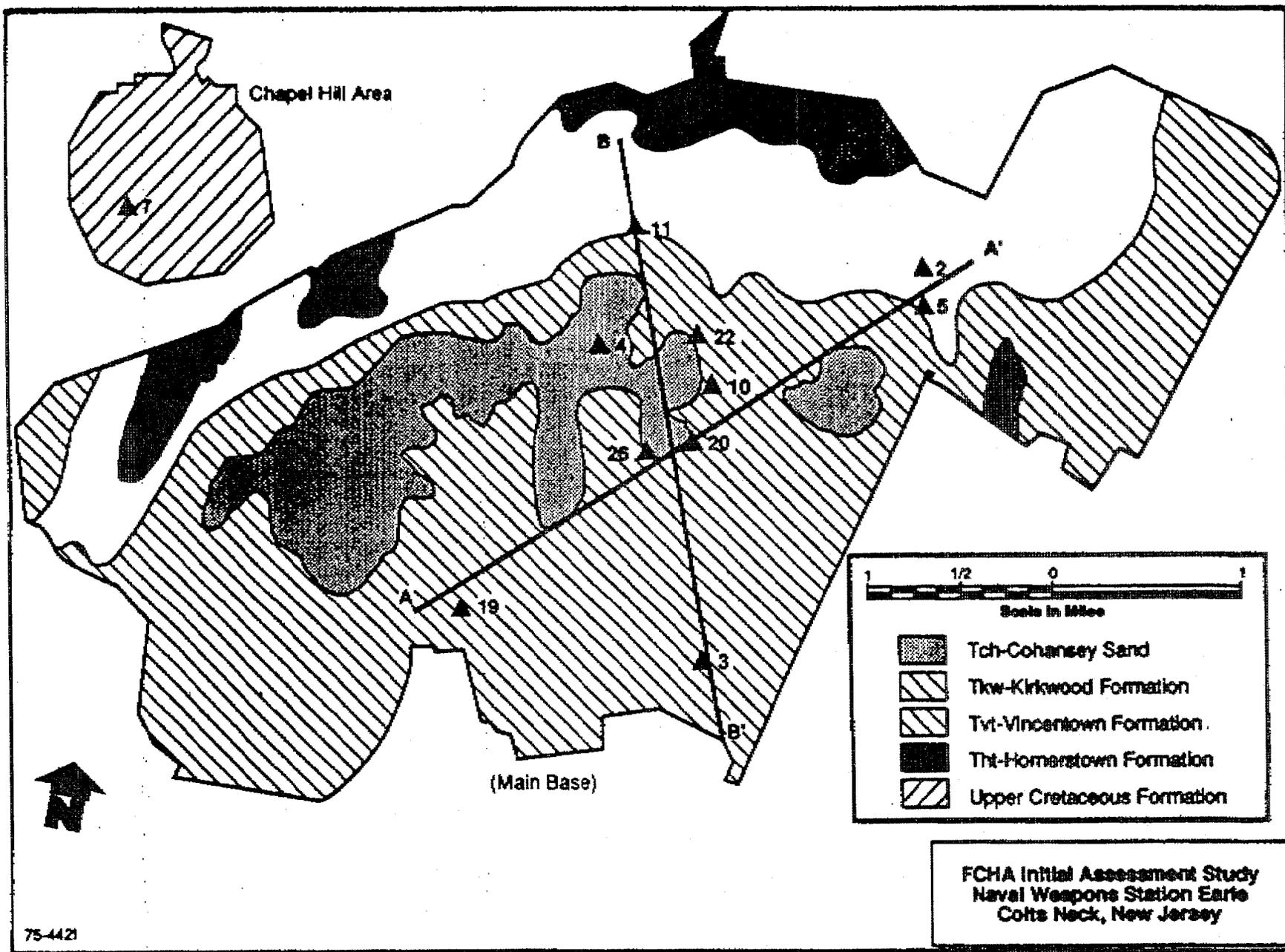
Mr Franca inquired as to the status of the interagency agreement. Mr Vukelich replied that the agreement will follow the Lakehurst document which is currently being produced. There is no anticipated date for the document at present.

Mr. Franca requested that the Navy provide assurance through a written statement that all possible hazardous waste sites on NWS Earle were considered in the IAS. In particular, no sites or areas were excluded from examination due to national security reasons. The Navy provided a verbal assurance and would follow this with a letter from NESSA written in conjunction with NWS EARLE.

Mr. Franca distributed copies of the NJ department of Wildlife study of Cadmium levels in White tail deer and briefly discussed the contents of the report. The reported high levels of cadmium may suggest that transport study may be suggested. Mr Franca maintained that at present there is no need for collection of new data or for a endangerment assessment to be conducted.

Mr Tamm inquired if the DEP had investigated other off station potential sources of cadmium. Three potential sources were discussed briefly including a copper smelter located southwest of the main base, the Shrewsbury Disposal Co. former landfill, which has Cd levels in their monitor wells at levels higher than that found at the worst NWS Earle site. The third possible cadmium source is associated with the farm soil that have used cadmium contaminated super phosphate fertilizers.

The meeting was adjourned by Steve Vukelich.



75-4421

MAP OF SURFICIAL GEOLOGY AND SITE LOCATIONS

# NWS Earle Site Summary

<b>Primary Waste Type</b>	<b>Site</b>
Ordnance Demilitarization / Disposal	2, 11, 26
Landfill (includes base municipal waste)	3, 4, 5, 7, 10
Ordnance maintainance waste	19, 20, 22

# RI/FS Plan Goals

**Define volume & boundaries of waste materials**

**Define Characteristics and properties of waste**

**Define potential pathways and receptors of waste**

**Define extent and concentration in each potentially affected medium**

**Identify potentially applicable technologies for cleanup or stabilization**

**Define regulated levels and cleanup levels**

**Determine the quantitative risk of the sites at present**

**Determine the quantitative risk of the cleaned sites**

# Data Deficiencies RI/FS Sites

- poorly defined site boundaries
- upgradient wells - unexpected contamination
- poorly defined past site activities
- contamination of sample blanks
- limited regional background data for comparison of chemical results

# Chemical Data Gaps

Chemical	Site
Pentachlorophenol	5, 11
N-nitrosodiphenylamine	4, 10
Petroleum Hydrocarbons	4, 19
Methylene Chloride	appears in blanks- contaminant from lab 5, 7, 10, 19
bis(2-ethylhexyl)phthalate	4 (well offsite, upgradient)
di-n-butyl phthalate	7 (well upgradient, offsite)
Volatile Organics in soils	19
Berrillum in sediments	10, 19
Cadmium	19
Zinc	19
Chromium	19

# Elimination Facility Wide Data Gap to Meet RI/FS Goals

Definition of extent and concentration ....

Pathway - water inventory  
water sample analysis

Receptor Definition - demographic study

Update of IAS Biologic Features Survey

Define regulated levels and cleanup levels -

Search for Applicable and Relevant or Appropriate Regulation

Identification of potentially applicable technology ....

- literature examination
- Weston Field Experience
- Industry Field Experience

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Facility Wide  
 Site 2  
 Site 3  
 Site 4  
 Site 5  
 Site 7  
 Site 10  
 Site 11  
 Site 19  
 Site 22  
 Site 26

- Topographic Map
- Demographic Study
- Groundwater Use Study
- Groundwater/Surface Water Inventory
- Groundwater/Surface Water Flow Path Determination
- Additional Geologic Characterization
- Soil Boring/Soil Sampling
- Monitor Well Sampling
- New Monitor Well Installation
- Borehole Geophysical Survey
- Pump Test/Stug Test
- Porosity/Permeability Lab Test
- Historical Aerial Photo Interpretation
- Surface Water Sampling
- Electromagnetics

● Definite Activity  
 ○ Possible Activity

FIGURE 3-1 RI/FS ACTIVITY MATRIX

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