

**MEETING MINUTES
RWQCB'S COMMENTS ON IMPLEMENTATION WORK PLAN
INTERIM REMOVAL ACTION FOR LEAD AND ACIDIC SOILS
INTERMEDIATE MAINTENANCE FACILITY (IMF) SITE
NAVAL AIR STATION, ALAMEDA, CA**

September 2, 1993

Attendees:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE</u>
Shin-Roei Lee	Regional Water Quality Control Board	(510) 286-0699
James Nusrala	Regional Water Quality Control Board	(510) 286-0301
Marcelo Pascua	U.S. Navy, Western Div. (WESTDIV)	(415) 244-2522
Gary Munekawa	WESTDIV	(415) 244-2524
George Kikugawa	WESTDIV	(415) 244-2559
Duane Balch	PRC Environmental Management, Inc.	(916) 852-8300
Ken Leung	Montgomery Watson	(510) 975-3460

AGENDA ITEMS:

This meeting was conducted to discuss the Navy's responses to the RWQCB's comments on the Implementation Work Plan for the Interim Removal Action (IRA) for lead and acid soils at the Intermediate Maintenance Facility (IMF) Site at NAS Alameda. The RWQCB's comments were received in a letter to the Navy dated August 17, 1993. The Navy's responses were submitted to the RWQCB on August 30, 1993. During the meeting, the following items were discussed and resolved:

1. **Extent of Excavation.** RWQCB would like the entire zone of contaminated soils with lead concentrations above 100 parts per million (ppm), even below the groundwater table (anticipated between 3 feet to 7 feet below ground surface (bgs)) to be removed. The Navy would like to remove contaminated soils in the vadose zone at and in the vicinity of boring B-7, which contains elevated levels of lead and low pH.

As described in the Implementation Work Plan, the excavation will be performed in using a phased approach. At the completion of each phase, screening soil samples will be collected for pH and lead analyses. The purposes of the screening pH and lead analyses is to evaluate whether the next phase of excavation is necessary. The first phase of the excavation will be conducted within a 10-foot by 10-foot area centered from boring B-7.

As discussed in our meeting, RWQCB and the Navy agreed that the first phase of the excavation will begin within a 5-foot by 5-foot area at boring B-7, and then expand to a 10-foot by 10-foot boundary. The excavation depth of the first 5-foot by 5-foot area will be to 5 feet if groundwater is encountered at depth shallower than 5 feet bgs, or approximately 0.5 foot above the groundwater table if groundwater is encountered at depth deeper than 5 feet bgs. The excavation depth of the remaining area within the 10-foot by 10-foot boundary will be approximately 0.5 foot above the groundwater table. At the completion of the first phase excavation, screening soil samples will be collected for pH

and lead analyses. One of the screening soil samples will be collected at the excavation floor near boring B-7. Analytical results of this soil sample will be used to evaluate the residual concentration of lead and pH level in the remaining soil. Results of the screening analyses will be discussed with RWQCB and California Department of Toxic Substance Control (DTSC) to finalize the extent of subsequent phases of excavation.

2. **RWQCB would like to backfill the excavation area with clean soil. However, the Navy does not plan to backfill the excavation area with clean soil due to potential contamination of clean backfill by the existing site conditions which could lead to future remediation of the clean backfill.**

During the meeting, the RWQCB agreed that the excavation area would not be backfilled with clean soil provided that a high density polyethylene (HDPE) sheet be used to cover the excavation floor and temporary fencing be installed around the excavation area to restrict access to the area. WESTDIV agreed on this approach, provided it is acceptable to NAS Alameda. WESTDIV is currently discussing this approach with NAS Alameda.

3. **RWQCB requested that in addition to pH and lead, the final confirmation soil samples shall be analyzed for volatile organic compounds, semi-volatile organic compounds, a full suite of metals, pH, and total petroleum hydrocarbons (TPHs) for both gasoline and diesel.**

As discussed in the Implementation Work Plan, TPHs, pH, and lead analyses will be performed on the final confirmation soil samples. During the meeting, the RWQCB and the Navy agreed that up to 10 percent of the final confirmation soil samples will also be analyzed for volatile organic compounds, semi-volatile organic compounds, and a full suite of metals. The actual number and selection of the final confirmation soil samples that will be analyzed for these additional chemical parameters will be determined at the completion of the excavation.

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TELECOPIER COVER MEMORANDUM

To: Gary Munekawa - WestDiv.

From: Kenneth Leung

Date: September 10, 1993

RE: _____

Number of pages, including cover memo: 3

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NOTE: Per your request, a copy of the minutes has been facsimiled to

RWOCB and DTSC

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