



DEPARTMENT OF THE NAVY
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
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HUNTERS POINT
SSIC NO. 5090.3

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Ser 06CH.RM/477
June 30,2000

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Dear BCT members:

Enclosure (1) is provided for your records regarding the May 31, 2000 meeting to discuss the underground storage tanks (USTs) and above ground storage tanks (ASTs) on Hunters Point Shipyard.

Should you have any concerns with this matter, please contact the undersigned at (619) 532-0913.

Sincerely,

RICHARD G. MACH JR., P.E.
BRAC Environmental Coordinator
By direction of the Commander

Enclosure: ✓(1) Petroleum Hydrocarbon Program, Final Meeting Minutes, Hunters Point Shipyard, June 30, 2000

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**PETROLEUM HYDROCARBON PROGRAM
HUNTERS POINT SHIPYARD
MEETING MINUTES
May 31, 2000**

These minutes summarize the discussion at a meeting regarding the Hunters Point Shipyard (HPS) underground storage tank (UST) and petroleum program. The meeting was held on May 31, 2000, at the Tetra Tech EM Inc. (TtEMI) office in San Francisco, California. The Navy, California Regional Water Quality Control Board (RWQCB), The IT Group (IT), and TtEMI attended the meeting. A list of attendees is included at the end of these minutes. These minutes discuss the key points, decisions, and action items agreed to in the meeting.

An agenda was not distributed prior to the meeting. The Navy proposed the following agenda:

- Parcel B Corrective Action Plan (CAP)
- Free Product at HPS
- Parcels C, D, and E Combined CAP
- Upcoming Aboveground Storage Tank (AST) and UST Removals

The group agreed to the agenda.

PARCEL B CAP

The group concurred that because total petroleum hydrocarbon (TPH) constituents, including benzene, toluene, ethylbenzene, and total xylenes, were evaluated under the Installation Restoration (IR) program activities at Parcel B and are subject to the Record of Decision (ROD), additional risk evaluation is not necessary for these constituents under the petroleum program or CAP.

The group discussed the topic of how much residual TPH could exist in the soil before the nonaqueous-phase liquid (NAPL) would become mobile (the saturation value). The RWQCB stated that a value between 3,000 and 4,000 milligrams per kilogram (mg/kg) for the sum of TPH-gasoline (TPH-g), TPH-diesel (TPH-d), and TPH-motor oil (TPH-mo) would be acceptable to represent a saturation value. The RWQCB acknowledged that the saturation value might actually be higher; however, because of the uncertainty of obtaining representative samples, the RWQCB recommends using the lower values. The Navy and the RWQCB agreed to use a TPH saturation value of 3,500 mg/kg as the cleanup value for all soils within Parcel B.

The Navy proposed to excavate soils where TPH concentrations are above 3,500 mg/kg. The Navy said it would provide a closure report indicating soil areas between 0 and 10 feet below ground surface (bgs) where TPH concentrations are greater than 100 mg/kg for TPH-g, 1,000 mg/kg for TPH-d, and 1,000 mg/kg for TPH-mo. The RWQCB agreed to the Navy's proposal and also recommended that the Navy develop an aesthetic cleanup value for soils between 0 and 2 feet bgs.

The Navy and RWQCB discussed several alternatives to address the TPH contaminated groundwater at Parcel B. The Navy has sample data between 1994 and 1999, which indicates substantial natural attenuation is maintaining the plumes in a stable manner and diminishing the

groundwater concentrations. The Navy proposed obtaining one more round of groundwater samples and demonstrating that natural attenuation is remediating the TPH in groundwater and recommending that natural attenuation without monitoring be selected as the remedial alternative. The RWQCB agreed to the Navy's proposal.

The group discussed the RWQCB Leaking Underground Fuel Tank (LUFT) Database. The RWQCB indicated that the database is not current with respect to HPS USTs and pipelines.

Action Items

- RWQCB will provide the Navy and TtEMI with a template to be completed to update the LUFT database. TtEMI will complete data input into the LUFT database.
- The Navy will collect and analyze groundwater samples from wells located within and around TPH-affected groundwater areas. The samples will be analyzed by the U.S. Environmental Protection Agency (EPA) Methods 8015, 8021, and 8270 (short list for polynuclear aromatic hydrocarbons [PAH]). This data will be incorporated into the draft CAP to evaluate how the TPH concentrations changed over time.
- The Navy will address the identified Parcel B TPH data gap by installing one monitoring well (former well was destroyed during Parcel B remedial action) near Pier C; results from the first sampling event will be included in the draft CAP.
- The Navy will submit the draft Parcel B CAP to the RWQCB by late July 2000. The Navy will review TtEMI's draft submittal on July 14, 2000.

FREE PRODUCT

The Navy indicated that free product removal activities will be initiated on June 5, 2000, consisting of hand-bailing monitoring wells that contain free product. The results of the bailing effort will be used to determine the applicability and efficiency of further free product removal, particularly regarding the identification of future removal technologies. The Navy stated that the effectiveness of free product removal would be evaluated in July 2000 and monitoring would continue through the dry season in November 2000.

The Navy clarified that the recovered free product from areas with known chlorinated compounds will be stored in separate drums for disposal.

The RWQCB concurred with the Navy's proposal and strategies to address free product at HPS.

PARCELS C, D, AND E COMBINED CAP

The Navy proposed that the strategies discussed for petroleum cleanup at Parcel B should not be applied to the CAPs for Parcels C, D, and E. The Navy will continue to evaluate cleanup levels based on the ongoing regional approaches for inclusion in the Parcels C, D, and E CAP. The RWQCB concurred with the Navy's proposal.

UPCOMING AST AND UST REMOVALS

IT distributed a schedule for the upcoming fieldwork. This schedule includes a walk through of all buildings on HPS to ensure all ASTs and USTs have been identified followed by their removal. The RWQCB said it only had minor comments on the work plan. The current workplan addresses all of the known ASTs and USTs. If additional tanks are found during the building survey, an addendum to the workplan will be provided to address their closure.

The Navy proposed that if Building 439, where two USTs are proposed for closure, is to be demolished, the tanks should be sealed rather than filled with sand. Sealing the tanks would make it easier to demolish the building. **FOLLOW-UP – The City has not provided their building demolition plan as promised so the tanks will be closed in place per the workplan.**

The group discussed the overexcavation of soil associated with small tank spills or leaks. The Navy and the RWQCB agreed that the decision to overexcavate would be based on field screening tools, visual cues, and soil sample results. It was also agreed that, if necessary, overexcavation would continue to a maximum of 250 cubic yards per tank site. **FOLLOW-UP – During the BCT meeting on June 8, 2000, it was agreed that any RCRA tanks would be addressed under the CERCLA program and that the BCT would need to either approve the confirmation that there is no remaining CERCLA contamination remains after the tank closures or excavation activities. If significant CERCLA contamination is detected, these sites will be evaluated under the CERCLA program. A copy of the revised workplan will be provided to the BCT in late-June 2000. The BCT agreed to allow the RWQCB to continue to lead this effort as the BCT reviews the workplan.**

The group discussed the analytical methods that would be used for confirmation sampling. The group decided that samples at petroleum sites would be analyzed under EPA Methods 8015, 8021, and 8270 (short list for PAHs), except for gasoline sites, which will not be analyzed by EPA Method 8270. The group decided that for nonpetroleum sites (general process tank sites), the samples would be analyzed based on the contents previously held in the tanks and would generally include analyses by EPA Methods 8240, 8270, metals, pH, reactivity, corrosiveness, and ignitability.

ACTION ITEM SUMMARY

| Action | Responsible Party | Date Due | Date Accomplished | Notes |
|--|---------------------|------------------|-------------------|-------|
| Parcel B. Submit Parcel B CAP | Richard Mach (Navy) | July 31, 2000 | | |
| Parcel D. Determine Building 439 demolition status | Richard Mach (Navy) | June 16, 2000 | June 16, 2000 | |
| Basewide. Provide LUFT database template | Brad Job (RWQCB) | To be determined | | |
| Basewide. Update LUFT database template | Richard Mach (Navy) | To be determined | | |
| Basewide. Initiate free product removal | Richard Mach (Navy) | 06-05-00 | 06-05-00 | |

LIST OF ATTENDEES

| Organization | Name | Telephone Number | E-Mail Address |
|--------------------|-------------------|------------------|------------------------------------|
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| | Jose Payne | (619) 532-0961 | PayneJE@efdswnavfac.navy.mil |
| | William Radzevich | (650) 244-2555 | RadzevichWA@efawestnavfac.navy.mil |
| RWQCB | Brad Job | (510) 622-2400 | lbj@rb2.swrcb.ca.gov |
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