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26 Mar 1996

From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering
Command
To: Distribution
Subj: MONTHLY PROGRESS REPORT FOR FEBRUARY 1996 ENGINEERING FIELD
ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS
POINT ANNEX, SAN FRANCISCO, CALIFORNIA
Encl: (1) February 1996 Monthly Progress Report (MPR)

1. Enclosure (1) is forwarded for your information. It incorporates comments provided by the US EPA on the MPR which was faxed to the BRAC Cleanup Team (BCT) members on 19 March 1996.
2. If you have any questions, please contact the undersigned at (415)244-2571.

~~Original signed by:~~

RICHARD E. POWELL
By direction of
the Commanding Officer

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POINT ANNEX, SAN FRANCISCO, CALIFORNIA

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**INSTALLATION RESTORATION PROGRAM
MONTHLY PROGRESS REPORT**

FEBRUARY 1996

**NAVAL FACILITIES ENGINEERING COMMAND
HUNTERS POINT ANNEX**

1. PROGRESS DURING THE REPORT PERIOD

The following activities were accomplished during the report period:

- **Field Work:** Remedial investigation fieldwork has been completed for Parcels B and C with the exception of (1) surveying of monitoring wells in Parcel C which is underway, and (2) potential step-out borings/wells in Parcel C, which will be selected pending on analytical results from recently complete borings.

The field work in Parcels D and E continued. Soil borings were advanced and monitoring wells were installed. Sumps and vaults are being cleaned out in preparation for the visual inspection and advancement of soil borings in Building 411 (Parcel D). Outstanding work at these parcels consists of: (1) sampling at the three formerly used defense sites (FUDS) in Parcel E (the field sampling plan for the proposed work at the three FUDS was completed and submitted to the agencies for review; and comments were received; work is on hold); and (2) surface soil samples to be collected in burn areas of Parcel E (a list of surface soil samples to be collected in the burn areas of Parcel E is currently being compiled: these soil samples will be analyzed for dioxins and furans).

Several buildings in Parcels B, C and D may pose a risk regarding inhalation of vapors due to solvents in the underlying soils. To determine the actual risk, an air sampling program was prepared to be conducted concurrently with the ongoing field work. The air sampling would be conducted inside the buildings with one set of samples taken at the breathing level of occupants and one set of air flux samples to be taken beneath the existing building floor. A total of 11 sample locations in 8 buildings in Parcels B, C, and D were sampled in February 1996. Following completion of the analytical work, the results will be evaluated as to potential risk.

- The offshore sampling supporting the Phase 1B Ecological Assessment was completed on February 14, 1996. All bioassays have been completed and chemical analyses are underway with anticipated completion by the end of March 1996.
- **Parcel A:** The process of transferring Parcel A from the Navy to the City of San Francisco continues on schedule. The last requirement for the finalization of the Parcel A Record of Decision (ROD) consists of a formal notification in the local newspaper announcing the signing of the document and its availability to the public. The notification will be published after the Navy ensures the listing of documents in the administrative record is complete.

The next step in the transfer process consists of the preparation of the Environmental Baseline Survey (EBS) and Finding of Suitability to Transfer (FOST) documentation, along with the preparation of the Environmental Impact Statement/Report (EIS/R). The scoping meeting for the preparation of the Parcel A EBS/FOST documentation will be performed in March with the Navy, agencies' reuse specialist, and Navy's contractors.

Clean out of the Parcel A storm drains has been completed. The analytical results have been evaluated. The Parcel A Storm Water Monitoring Report is being reviewed by the Navy. Distribution to the regulatory agencies is expected in March 1996.

The final item concerning Parcel A consists of the preparation of a Notice of Well Abandonment of those monitoring wells installed during the RI. The Navy prepared the Notice of Well Abandonment for Parcel A and obtained concurrence to proceed from EPA, DTSC and the City of San Francisco. Navy will prepare the scope of work for the implementation of the abandonment of monitoring wells in Parcel A.

- **RI Reports:** The Draft Parcel B RI Report was delivered to the regulatory agencies on January 31, 1996 for review. A meeting to discuss the agencies' preliminary comments or questions is scheduled for March 6, 1996 with written comments due on March 18, 1996. The alternative HHRA approach preferred by the agencies was prepared and delivered as an addendum on February 29, 1996. After evaluation of both approaches, the results will be incorporated in the draft final Parcel B RI report, along with an HHRA based on the agencies' approach. Progress is ongoing in the preparation of the Parcels D, C, and E RI reports.
- **Air Monitoring:** The Navy received EPA's comments on the draft Phase II Air Monitoring Report. The Navy is currently addressing the agencies' comments and evaluating the need for building specific air sampling. Included with the responses to comments will be the proposed building specific air sampling locations to complete the RI fieldwork. The draft final is expected to be submitted in March, 1996.
- **Background Levels:** The Navy received a letter dated October 2, 1995 from the Department of Toxic Substances Control (Department) on the Hunters Point Ambient Level (HPAL) Report. The Navy is preparing its response to this letter and expects to deliver it in March.
- **Removal Actions:**

Pickling and Plate Yard (IR-9): This removal action is being conducted by Public Works Center San Francisco Bay (Public Works). A roof over the containment vault was constructed in February. Outstanding work includes asphalt patching in selected areas at the Pickling and Plate Yard. Some rain delays occurred. The new estimated completion date for this removal action is by the end of March 1996. Public Works is in the process of preparing a revised schedule. The Navy has started the preparation of the preliminary draft Construction Summary Report.

Exploratory Excavations: This work is being performed by PRC Environmental Management Inc. (PRC). PRC prepared and submitted a revised EE/CA for the exploratory excavation removal action on February 8, 1996. PRC incorporated into the final version of

the EE/CA the comments received verbally during the February 21, 1996 BCT meeting. The Draft Final Exploratory Excavation Engineering Evaluation/Cost Analysis (EE/CA) was distributed to the regulatory agencies for review on February 29, 1996.

Groundwater Plumes: This work is being performed by PRC. During the February 7, 1996 meeting, the BCT agreed to pursue the Parcel E groundwater removal action and stop work on the Parcels B and C groundwater plume EE/CAs. Work performed in preparing the Parcels B and C groundwater plume EE/CAs will be folded into the Parcels B and C Feasibility Study. PRC began revising the Parcel E EE/CA to incorporate comments received during the January 30 and February 7 meetings. PRC will screen all IR-01/21 groundwater data using Bays and Estuary guidance from the Regional Water Quality Control Board.

Removal of Contaminated Soils and Floating Product at IR-3: This work is being performed by PRC and Levine-Fricke. The Navy decided to incorporate the IR-3 treatability studies, thermal and chemical enhanced product removal and ex-situ biodegradation, which were considered under CTO 196, into the IR-3 removal action as potential alternative technologies. A scoping meeting was conducted with the Navy, agencies, PRC and Levine-Fricke on February 21, 1996 to summarize the nature and extent of contamination at IR-03 and review the alternatives currently under evaluation in the EE/CA. PRC and Levine-Fricke started incorporating comments received from the agencies into the draft EE/CA. A sample of the IR-03 floating product was collected from monitoring well IR03MW370A and analyzed for viscosity and distillation properties to aid in the consideration of potential treatment alternatives.

Proposed Repair of the Storm Drains and Removal of Sediments: This work is being performed by PRC and IT Corporation. The field work was conducted in mid-January 1996 for this removal to determine storm drain system reaches with potential for infiltration of contaminated groundwater. PRC began analyzing the results from the data collected in January. The sampling results will be incorporated into the EE/CA, which the Navy will be reviewing in March.

Sandblast Removal: This work was performed by Battelle. A summary report and a technical transfer document was submitted to the agencies in January, 1996.

Tank Farm (IR-6) Removal: This work is being performed by Navy's public Works Center. The Navy submitted to the agencies for review the Draft EE/CA in early December. Agency comments were provided in January. The Draft Final EE/CA will be submitted in March.

Sediment Removal at Dry dock 4: This work is being performed by Mare Island Shipyard (MINS). The agencies provided comments on the EE/CA submitted by MINS two months ago. Navy will be submitting new schedules for this removal action. Additional sampling was conducted in February to perform the modified WET tests for bay water exposure. The Draft Final EE/CA will include information based on the February testing.

- Ecological Risk Assessment Phase 1B: The draft Preliminary Assessment (PA) Parcel F Report will be submitted for agency review in early March. See Field Work for progress on the ecological sampling effort.

- **Radiation Issues:** (1) The Navy is preparing a response to the DHS comments received on the draft Parcel B and E Subsurface Radiation Investigation Report. The EPA has evaluated the response to comments and accepted the report in January, 1996. (2) The low-level radioactive waste storage bin in building 130 was manually ventilated to reduce the radon gas concentration. This is an ongoing monthly activity. (3) The Navy is preparing an abbreviated feasibility study to evaluate the alternatives, costs, public perception, and other factors associated with the removal of radium dials in the landfill. This issue becomes problematic because of the presence of organic and inorganic contamination in the landfill. (4) The Draft Phase III Radiation Investigation Work Plan was submitted February 20, 1996 for regulatory review. (5) The Navy received comments from the Department of Health Services, the Department, and EPA on the draft OU-I Intertidal Sampling and Analysis Plan Work Plan. The Navy is preparing a response to the comments received. (6) An internal Navy meeting was held in January to discuss the screening and disposal of IDW drums. (7) The cesium spill area behind Building 364 (cesium absorbed into the asphalt in the parking lot) was removed in February by ATG. The contaminated material was sent off site for proper disposal.
- **Community Relations:** The draft CRP was submitted to the agencies for review on February 14, 1996. At the request of the EPA, four additional questionnaires are being distributed to community members for inclusion in the draft final CRP. The additional input should allow input from those unavailable earlier, as well as reflect the recently elected City of San Francisco administration. EPA requested an extension of the review period. A new schedule will be prepared.
- **Environmental Baseline Survey (EBS):** The draft basewide EBS was submitted to the agencies for review on February 29, 1996.

2. REPORTS SUBMITTED AND MEETINGS

Meetings

- The BCT met on February 1, 1996 to discuss the scoping for the site-specific environmental baseline survey and finding of suitability to lease for Buildings 272 and 284.
- The BCT/remedial project manager meetings took place on February 6, and February 21, 1996, to discuss the documentation for the removal actions being conducted by PRC.
- A RAB meeting was held on February 22, 1996.
- The BCT/RPMs met on February 29, 1996 to promote partnering between the agencies and the Navy

Submittals

- Draft revised Community Relations Plan was submitted to the agencies for review on February 14, 1996

- Draft Phase III Radiation Investigation Field Work Plan was submitted to the agencies on February 20, 1996
- Draft Basewide Environmental Baseline Survey was submitted to the agencies for review on February 29, 1996.
- Final Exploratory Excavation EE/CA was submitted to the agencies for review on February 29, 1996.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

- **Background Levels:** The Navy is in the process of preparing a position paper generally agreeing with the Department's position on ambient levels at HPA. The Navy is making minor revisions and is expected to submit the letter to the Department in March, 1996.
- **Offsite Access for RI Work:** The Navy is continuing to attempt to gain access to the offsite property adjacent to IR-18 in Parcel B. Subsurface contamination along Navy's facility boundary appears to extend northwest onto adjacent private property. A discussion is underway between Navy's counsel and the property owner. The Parcel B RI report reported what information was available at the time of its preparation. If additional work is required it will be reported in later documents. Resolution is expected late March.
- **Waste Management:** The revised schedule for this additional work and subsequent disposal is currently being prepared by EFA WEST and RASO.
- **PCB Occurrences:** EPA expressed some concern regarding the widespread occurrence of polychlorinated biphenyls (PCB) at low levels site wide. The Navy is reviewing a response that evaluates locations with PCB concentrations that exceed 1 mg/kg to determine an appropriate response action. This document is being reviewed by the Navy and will be subsequently be distributed to the agencies.
- **Risk Assessment:** The draft HHRA based on a 2,500 sq. ft. grid size was submitted to the agencies for review on February 29, 1996.

4. REPORTS AND ACTIVITIES FOR MARCH 1996

Documents Scheduled for March 1996 Submittal

- Parcel A Storm Drain Monitoring report
- Draft Final IR-6 Tank Farm EE/CA
- Draft Response to agencies review of IR-2 Intertidal Radiation Sampling Protocol
- Draft Final Facility-Wide Groundwater Monitoring Plan

- Response to agencies' comments on the Draft Final Subsurface Radiation Investigation in Parcels B and E Report
- Draft Parcel E Technical Memorandum on Parcel E Radium Dial Cleanup
- Response to the Department's letter of September 23, 1995 regarding HPALs
- Draft Parcel E IR1/21 Groundwater Removal Action EE/CA
- Draft Final Phase 2 Air Sampling Report

Activities Planned for March 1996

- **Field Investigations:** Continue with the implementation of the RI field work for all Parcels. Tasks include drilling, surveying, monitoring well installation, sump clean out and others.
- **Removal actions:** Finish the removal action at the Pickling and Plate Yard (IR-09).
- **Meetings:** Attend the scheduled meeting for Parcel B to receive early comments on the remedial investigation report. Attend BCT/RPM meetings. Attend RAB meeting.
- **Radiation Issues:** Prepare the screening of NRDL sites. Continue the radiation-related waste management activities.
- **Technical Memoranda/Position Papers:** Prepare Navy's response regarding HPAL issues. Continue the preparation of the filtered/unfiltered/slow purge groundwater sampling report.
- **RI Reports:** Continue the preparation of the Parcel C, D and E RI reports.
- **BCT Activities:** Prepare for the monthly BCT/RPM meeting.
- **CRP Activities:** Prepare poster session for RAB meeting.

5. KEY PERSONNEL CHANGES

None.

6. PERCENTAGE OF PROJECT COMPLETION

To better provide information regarding the project activities, this section will be reorganized in the next monthly progress report. This reorganization will consist of restructuring the listing of activities based tasks such as report preparation, fieldwork, and associated activities and their status.

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

PARCEL B

RI Work (Excluding Site Assessment Sites)

- RI Sampling 100%
- RI Lab Analysis/Data Validation 94%
- RI Data Management/Interpretation 93%

RI Work at Site Assessment Sites

- RI Sampling 100%
- RI Lab Analysis/Data Validation 70%
- RI Data Management/Interpretation 70%

RI Work (Including Site Assessment Sites)

- Draft RI Report 100%
- Draft Final RI Report 0%

PARCEL C/DRY DOCK NO. 4

RI Work (Excluding Site Assessment Sites)

- RI Sampling 96%
- RI Lab Analysis/Data Validation 96%
- RI Data Management/Interpretation 94%

RI Work at Site Assessment Sites

- RI Sampling 60%
- RI Lab Analysis/Data Validation 20%
- RI Data Management/Interpretation 5%

RI Work (Including Site Assessment Sites)

- Draft RI Report 10%

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE**

- Draft Final RI Report 0%

TREATABILITY STUDIES/REMOVAL ACTIONS**Parcel E**

- Draft IR-3 Treatability Study work plan for:
 - (1) Chemically and Thermally Enhanced Recovery 100%
 - (2) Bioremediation 100%
- Draft Final IR-3 Treatability Study Work Plan for:
 - (1) Chemically and Thermally Enhanced Recovery 100%
 - (2) Bioremediation 100%
- Draft Radium Removal Treatability Study for IR-2 0%
- Draft Final Radium Removal Treatability Study for IR-2 0%

Removal Actions**Pickling & Plate Yard, IR-9**

- Implementation of Removal Action at Pickling and Plate Yard, IR-9 95%
- Draft Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 10%
- Draft Final Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 2%

Soil at IR-6, Tank Farm

- Implementation of Removal Action of Soil and Free Product in Soil at IR-6 20%
- Draft Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 0%
- Draft Final Summary Report of Removal Action of Soil and Free Product in Soil at IR-6 0%
- Soil Sampling for Bioremediation Bench Scale Study 100%