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From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering
Command

To: Distribution

Subj: MONTHLY PROGRESS REPORT FOR SEPTEMBER 1995, ENGINEERING FIELD
ACTIVITY, WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS
POINT ANNEX, SAN FRANCISCO, CALIFORNIA

Encl: (1) September 1995 Monthly Progress Report

1. Enclosure (1) is forwarded for your information.
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**

SEPTEMBER 1995

**ENGINEERING FIELD ACTIVITY, WEST
NAVAL FACILITIES ENGINEERING COMMAND
HUNTERS POINT ANNEX**

1. PROGRESS DURING THE REPORT PERIOD

The following activities were accomplished during the report period:

- **CLEAN I Field Work:** Remedial investigation activities in Parcels B and C continued. Aquifer tests and limited access drilling were conducted in Parcel B. In Parcel C, aquifer tests were conducted at IR-28 and IR-58. Limited access drilling and low-flow water sampling continued in Parcel C. The field work remaining for these two parcels includes cleanout of several floor vaults, three slug tests, a third round of groundwater sampling in Parcels B and C, a round of water levels facility-wide, and DNAPL pilot studies in Parcels B, C, and D.

The field work in Parcels D and E was stopped on October 28, 1994 as a result of funding/contracting complications. Presently, work being conducted includes ongoing posting of sample locations on maps, input of the sample information and results from validated data into the chemical database, input of the boring log data into the database, and interpretation of the results. The base maps for Parcels D and E were updated to include recently surveyed boring locations.

- **CLEAN II Fieldwork:** Remaining field work in all of the parcels, which includes the remaining CTO 276 Parcels D and E fieldwork which was stopped and the site assessment sites which are being investigated under CLEAN II continued in September. All Parcel B borings and monitoring wells were completed in August and the majority of the proposed Parcel D borings were completed this month. Completion of IR-18 off site sampling waiting for access permission to cross private property. Drilling for borings proposed at Parcels C and E were started in September. In addition, all Parcel B monitoring wells under CTO 011 have been installed and the first round of groundwater sampling completed.
- The draft final Parcel A Remedial Investigation (RI) Report was distributed to the agencies and the Restoration Advisory Board (RAB) members two days early on September 20, 1995.

The responsiveness summary for the Proposed Plan for Parcel A was prepared using the transcript of the public meeting held on August 22, 1995. The transcript of this public meeting will be sent to the document repositories for inclusion in the Administrative Record. This responsiveness summary will be included as an appendix to the Parcel A Record of Decision (ROD).

The preliminary draft version of the Parcel A ROD was sent to the regulatory agencies for review and the Navy is addressing comments that were received. The draft Parcel A ROD was distributed to the regulatory agencies on October 6, 1995.

The process of transferring Parcel A from the Navy to the City of San Francisco continues on schedule with the delivery of the draft final Parcel A RI Report and the preliminary draft of the Record of Decision to the regulatory agencies during the month of September.

- The draft Phase II Air Monitoring Report was submitted to the regulatory agencies for review on September 9, 1995. This document will be submitted to the RAB members for review after regulatory agencies' comments have been addressed. It is Navy's intention to distribute the draft final version of this report along with the public summary.
- The Hunters Point Ambient Level (HPAL) report was distributed on August 17, 1995. The Navy is awaiting comments on the document and is formulating a strategy to formalize the ambient values for use in future work. The ambient levels calculated in the HPAL report were used in the Parcel A RI Report.
- At the Pickling and Plate Yard (IR-9) Removal Action Project, work continued on the removal of contaminated materials. The contractor for this project, the Navy Public Work Center (PWC), has indicated that the field work in support of the demolition of the Pickling and Plate Yard will conclude by late December 1995 or early January 1996. PWC is reviewing the results from the testing of concrete samples to determine the necessity to either decontaminate the concrete drying racks prior to offsite recycling, or to dispose of the concrete as hazardous waste. A field variance for disposal of this concrete will be prepared for agency review.
- The Navy is currently beginning work on the removal action documentation for four interim removal actions. The documentation preparation will consist of the preparation of the Engineering Evaluation/Cost Analysis (EE/CA), Action Memorandum (AM), and implementation Work Plans for the Navy's Remedial Action Contractor. Although funding is not presently available to implement all four of these removal actions, the Navy desires to have the required documentation in place for immediate use if funding becomes available. The four removal actions consists of: (1) Repair of the facilities' storm drains and removal of sediments, (2) Exploratory excavations at 34 locations, (3) Groundwater plumes in Parcels B, C, and E, and (4) Removal of contaminated soil and floating product at the waste oil ponds (IR-3) in Parcel E.
- The Ecological Risk Assessment Phase 1B final work plan and field sampling plan and draft final quality assurance project plan (QAPjP) which incorporated agency comments were issued September 27, 1995. The Navy is interfacing with representatives from US EPA to coordinate a sampling split program. The Navy foresees that field work will start in early to mid November.
- Clean out of Parcel A storm drains has been completed. The Parcel A storm water sampling analytical results are currently being evaluated and validated. The dry season

sampling was conducted on May 26, 1995. Following receipt of the data and data validation, a report will be prepared with the findings. This report is expected to be available for review in November 1995.

- Radiation issues: 1) The Navy is preparing a response to comments received on the draft Parcel B and E Subsurface Radiation Investigation Report. 2) The low level radioactive waste storage bin in building 130 was manually ventilated to reduce the radon gas concentrations. 3) the Navy is preparing the work plan for the radiation survey of former Naval Radiological Defense Laboratory (NRDL) and Formerly Used Defense (FUD) sites. Currently, the Navy is trying to contact former owners/operators of these buildings and dealing with access problems. 4) The Navy is investigating the possibility of preparing a brief position paper regarding the alternatives and costs associated with the alternatives for the removal of the radium dials in the HPA landfill. Tentatively a meeting between the Navy and the regulatory agencies is scheduled on November 7, 1995 to discuss radiation issues. 5) EFA West has submitted chemical analysis on the IDW drums to RASO for Chem NUC's review prior to resumption of work on the screening of the IDW drums for radioactivity. Once RASO & Chem NUC has received the data, a detailed schedule will be submitted to the agencies for review.

2. REPORTS SUBMITTED AND MEETINGS

Meetings

- BRAC Clean-up Team (BCT/RPM) meeting at DTSC September 14, 1995. Attended by Navy, agencies, EPA's contractor and Navy's contractor.
- Kick-off for the revision of the Community Relations Plan at DTSC, September 20, 1995. Attended by Navy, regulatory agencies, and Navy's contractor.
- Meeting at DTSC September 20, 1995 to discuss response to comments on the Ecological Risk Assessment Phase 1B QAPjP. Attended by Navy, regulatory agencies, EPA's contractor, and Navy's contractor.
- ATSDR/DHS site visit to HPA, September 21, 1995
- RAB meeting on September 27, 1995.

Submittals

- The Draft Final Parcel A Remedial Investigation Report was prepared and sent to the agencies and RAB members on September 20, 1995 for review and comment.
- The preliminary draft of the Parcel A Record of Decision was sent to the agencies for comments on September 13, 1995. Agency comments were received in late September and are currently being addressed.
- The final work plan, final field sampling plan, and draft final QAPjP for the Ecological Risk Assessment Phase 1B were submitted September 27, 1995.
- The draft Phase II Air Monitoring Report was submitted for review to the regulatory agencies September 9, 1995.
- The draft EE/CA for Dry-dock 4 drainage tunnels was submitted for review to the regulatory agencies and RAB members on September 1, 1995.
- Tank Farm (IR-6) Preliminary Draft Soil Bioremediation Treatability Testing Report was submitted for internal review on September 20, 1995.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

- The approach to calculating the background levels for metals in soils (HPALs) at HPA was agreed to by the Navy and the regulatory agencies on January 17, 1995. As a result, the technical memorandum on background levels was revised using the new protocols and submitted on August 17, 1995. After review by the regulatory agencies, Dr. Frampton with DTSC had concerns with the data set used in calculating the new HPALs and with the approach used. The Navy recalculated the HPALs using Dr. Frampton's recommended approach and is in the process of preparing a position paper summarizing the findings and proposed action to be submitted to the regulatory agencies.
- There is a possible or anticipated problem with background metals in HPA groundwater (IALs), as the agencies never approved those calculated by HLA in 1992, and have recently reiterated their concerns.
- The Navy is currently attempting 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. Presently, a discussion is underway between the Navy's counsel and the property owner. The Parcel B RI Report will report any information available at the time of its preparation. If additional work is required it will be reported in later documents.
- The San Francisco Redevelopment Agency (SFRA) has requested to the BCT to modify the current boundaries between parcels B and C, and between D and E to facilitate the City's timely marketing of clean parcels. At this time the BCT felt that boundary changes between parcels B and C would potentially delay the schedule in the Federal

Facilities Agreement (FFA) for the Parcel B RI Report. Further discussion are proposed with the SFRA to possibly reach some accommodation to meet both FFA schedules and the City's desire to market parcels of land.

- EPA has expressed some concern regarding the widespread occurrence of polychlorinated biphenyl (PCB) at low levels site wide. In response, the Navy is evaluating locations with PCB concentrations that exceed 1 mg/kg to determine the appropriate response action such as exploratory excavations. The Navy will submit a response in October 1995.

4. **REPORTS AND ACTIVITIES FOR OCTOBER 1995**

Documents Scheduled for October 1995 Submittal

- Draft final Parcel A RI Report is scheduled to become final on October 23, 1995.
- Draft Parcel A ROD is scheduled to be submitted on October 6, 1995.
- The Parcel A Responsiveness Summary for the Proposed Plan for Parcel A is an attachment to the Parcel A ROD and is also scheduled to be submitted on October 6, 1995.
- Preliminary Draft Basewide Quality Assurance Project Plan (QAPjP) for on-going installation restoration activities is scheduled to be submitted to the Navy October 9, 1995.
- Response to EPA's comments dated April 26, 1995 regarding widespread PCBs in soil cited in the Parcel Site Inspection Reports.

Activities Planned for October 1995

- Continue removal actions at the Pickling and Plate Yard (IR-9) Project.
- Continue preparation of Dry Dock 4 removal action documentation.
- Complete bench scale testing for Tank Farm (IR-6) soil remediation removal action.
- Continue remedial investigation in Parcels B through E under CTOs 005 and 011. Field investigation includes site assessment sites and the proposed work under CTO 276 for Parcels D and E which was stopped.
- Prepare for radiation screening of NRDL sites, following acceptance of a proposed work plan to be submitted to the agencies in November, 1995.
- Prepare for the monthly BCT/RPM meeting scheduled for October 24, 1995.

- Prepare for the Parcel B RI presentation to discuss the approach and methodologies used scheduled October 18, 1995.
- Prepare for the meeting to discuss IR-6 treatability study, tentatively scheduled October 30, 1995.
- Continue with the preparation of a Master Schedule for all deliverables to avoid review and schedule conflicts. Mike McClelland is taking the lead on this task.
- A Parcel A post-ROD attorney's session between Gavin McKabe (EPA), Marvin Norman (Navy), Francis McChester (RWQCB), and City of SF attorney will be needed to iron out deed language. This meeting will take place either at the end of October or November.
- RAB meeting on October 26, 1995.
- Preparation of the Storm Drain Monitoring Report for Parcel A.
- Continue preparation of filtered/unfiltered groundwater sampling report.
- Continue preparation of basewide groundwater sampling workplan.

5. KEY PERSONNEL CHANGES

As the work on the RI/FS at Hunters Point Annex progresses into funding under the CLEAN II contract, new subcontractors will be involved, specifically Uribe & Associates and Levine-Fricke. The following individuals are in the remedial investigation report writing teams:

Parcels B/C RI Team

Tom Shoff - Parcel B Team Leader (PRC)
 Barney Popkin - Parcel C Team Leader (PRC)
 Ken Leonard - U&A
 Mark Sorensen - U&A
 Gary Thomas - U&A (available after field work ceases)
 Beata Wells - L-F
 Bill White - U&A (RI team leader)

Parcels D/E RI Team

Scott Wald - Parcel D Team Leader (PRC)
 Scott Weber - Parcel E Team Leader (PRC)
 Gene Barry - L-F
 Jim Durkin - U&A
 Kathy Terentieff - L-F
 Bill White - U&A (RI team leader)

Overall Support Team

Fred Hetzel - U&A (chemistry support, QAPjP)
 Clare Gilmore - U&A (database support)
 Renzo Barron - U&A (CAD support)

Please note that this list does not include additional PRC support staff (over 20 staff members) such as risk assessors, geologist/hydrogeologists, engineers, chemists, database operators and programmers, CAD operators, and health and safety specialist.

6. PERCENTAGE OF PROJECT COMPLETION

Please note that the listing of percentage of project completion has been substantially revised to better reflect ongoing project activities. Those sections dealing with previously conducted work in the organizational limits such as OUs and groups have been incorporated into the parcel-wide RI work. In addition, a new section addressing the treatability studies and removal actions has been added for a more complete description of project activities.

<u>ACTIVITY/DELIVERABLE</u>	<u>PERCENTAGE COMPLETE</u>
-----------------------------	----------------------------

PARCEL B

- | | |
|--|------|
| • SI Sampling, Analysis and Interpretation | 100% |
| • Draft SI Report | 100% |
| • Draft Final SI Report | 100% |

RI Work (Excluding Site Assessment Sites)

- | | |
|-------------------------------------|-----|
| • RI Sampling | 98% |
| • RI Lab Analysis/Data Validation | 92% |
| • RI Data Management/Interpretation | 88% |

RI Work at Site Assessment Sites

- | | |
|-------------------------------------|-----|
| • RI Sampling | 40% |
| • RI Lab Analysis/Data Validation | 10% |
| • RI Data Management/Interpretation | 2% |

RI Work (Including Site Assessment Sites)

- | | |
|------------------------|-----|
| • RI Data Presentation | 20% |
| • Draft RI Report | 30% |

<u>ACTIVITY/DELIVERABLE</u>	<u>PERCENTAGE COMPLETE</u>
-----------------------------	----------------------------

- | | |
|-------------------------|----|
| • Draft Final RI Report | 0% |
|-------------------------|----|

PARCEL C/DRY DOCK NO. 4

- | | |
|--|------|
| • SI Sampling, Analysis and Interpretation | 100% |
| • Draft SI Report | 100% |
| • Draft Final SI Report | 100% |

RI Work (Excluding Site Assessment Sites)

- | | |
|-------------------------------------|-----|
| • RI Sampling | 96% |
| • RI Lab Analysis/Data Validation | 95% |
| • RI Data Management/Interpretation | 93% |

RI Work at Site Assessment Sites

- | | |
|-------------------------------------|----|
| • RI Sampling | 5% |
| • RI Lab Analysis/Data Validation | 3% |
| • RI Data Management/Interpretation | 0% |

RI Work (Including Site Assessment Sites)

- | | |
|-------------------------|----|
| • RI Data Presentation | 0% |
| • Draft RI Report | 0% |
| • Draft Final RI Report | 0% |

For Parcels D & E, percentage complete applies to HLA's CTO 276 assignments only.

PARCEL D

- | | |
|--|------|
| • SI Sampling, Analysis and Interpretation | 100% |
| • Draft SI Report | 100% |
| • Draft Final SI Report | 100% |

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE****RI Work (Excluding Site Assessment Sites)**

- RI Sampling 100%
- RI Lab Analysis/Data Validation 90%
- RI Data Management/Interpretation 72%

RI Work at Site Assessment Sites

- RI Sampling 20%
- RI Lab Analysis/Data Validation 10%
- RI Data Management/Interpretation 2%

RI Work (Including Site Assessment Sites)

- RI Data Presentation 0%
- Draft Final RI Report 0%

PARCEL E

- SI Sampling, Analysis and Interpretation 100%
- Draft SI Report 100%
- Draft Final SI Report 100%

RI Work (Excluding Site Assessment Sites)

- RI Sampling 100%
- RI Lab Analysis/Data Validation 90%
- RI Data Management/Interpretation 80%

RI Work At Site Assessment Sites

- RI Sampling 10%
- RI Lab Analysis/Data Validation 5%
- RI Data Management/Interpretation 0%

ACTIVITY/DELIVERABLE **PERCENTAGE COMPLETE**

RI Work (Including Site Assessment Sites)

- RI Data Presentation 0%
- Draft RI Report 0%
- Draft Final RI Report 0%

TREATABILITY STUDIES/REMOVAL ACTIONS

OUI Sites

- 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 65%

Removal Actions

Pickling & Plate Yard, IR-9

- Implementation of Removal Action at Pickling and Plate Yard, IR-9 50%
- Draft Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 0%
- Draft Final Summary Report of Removal Actions at Pickling and Plate Yard, IR-9 0%

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%

ACTIVITY/DELIVERABLE**PERCENTAGE COMPLETE**

- Soil Sampling for Bioremediation Bench Scale Study 100%
- Sandblast Grit Recycling**
- Implementation of Sandblast Grit Recycling at OU I 75%
- Draft Summary Report of Sandblast Grit Recycling at OU I 0%
- Draft Final Summary Report of Sandblast Grit Recycling at OU I 0%
- EE/CA**
- EE/CA for Storm Drain System 10%
- EE/CA Floating Products in IR-3 0%
- EE/CA Groundwater Plumes in Parcels B, C, and E 10%
- EE/CA Exploratory Excavations 20%

Facility-wide Investigations

- Draft Phase II Air Sampling Report 85%
- Ecological Risk Assessment Phase IA 94%
- Preparation of Ecological Risk Assessment Phase 1B Work Plan 95%
- Ecological Risk Assessment Phase 1B Implementation 0%
- Quarterly Groundwater Monitoring Implementation (OU II sites) 93%
- Hydrogeologic Conceptual Model Technical Report 100%
- Site-wide Radiological Assessment 30%


RICHARD POWELL
LEAD REMEDIAL PROJECT MANAGER

18 Oct 95
DATE