

5090
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From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering
Command
To: Distribution

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

Encl: (1) December 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.

RICHARD E. POWELL
By direction of
the Commanding Officer

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**INSTALLATION RESTORATION PROGRAM
MONTHLY PROGRESS REPORT**

DECEMBER 1995

**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, (2) potential step-out borings/wells in Parcel C, which will be selected pending the analytical results from recently complete borings, and (3) proposed off-site borings near IR-18.

The field work continued in Parcels D and E. Soil borings were advanced and monitoring wells were installed. Outstanding work at these parcels consists of 1) Sampling at the three formerly used defense sites (FUDS) in Parcel E. The preparation of the field sampling plan for the proposed work at the three FUDS was completed. 2) Sump clean out and borings adjacent to the sumps in Building 411 (Parcel D). A walk through was conducted with potential contractors to implement the clean out of the sumps, catch basins, and vaults. 3) Surface soil samples to be collected in burn areas of Parcel E. A list of surface soil samples is currently being compiled to be collected in the burn areas of Parcel E. 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 is being considered 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. This information should allow for the evaluation of current and future risks.

- The offshore sampling which is supporting the Phase 1B Ecological Assessment is ongoing and sampling is needed at 16 sampling stations, reference stations, core samples, and tissue samples. Sampling is anticipated to be completed by January 19, 1996. Chemical and bioassay analyses have begun with an 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 in January, after the Navy ensures the listing of documents in the administrative record is complete.

Enclosure ()

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 for the preparation of the Parcel A EBS/FOST documentation will be performed in January.

Clean out of the Parcel A storm drains has been completed. The analytical results have been evaluated. The Parcel A Storm Water Monitoring Report will be reviewed by the Navy in January.

- **RI Reports:** Progress was made in the preparation of the draft Parcel B RI Report. There was a discussion between the Navy and the regulatory agencies regarding the methodology approach to the human-health risk assessment (HHRA) for the draft Parcel B RI Report. In a meeting between the Navy and the regulatory agencies on December 19, 1995 discussing the different methodologies for the HHRA, it was agreed that the Navy's current approach would be included in the draft Parcel B RI to be delivered January 31, 1996. The alternative HHRA approach preferred by the agencies will be prepared concurrently and will be 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 C, D, and E RI reports.
- **Air Monitoring:** The Navy has 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.
- **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's response to this letter is expected to be delivered in January.
- **Removal Actions:**

Pickling and Plate Yard (IR-9): This removal action is being conducted by Public Works Center San Francisco Bay (Public Works). Work continued on the removal of contaminated materials. During this month, the Navy reviewed the disposal methodology for the potentially contaminated scrap metal. During the month of December, a revised airborne contaminants risk assessment report was prepared and the revised action levels for airborne contaminants were issued. Public Works had stated that December 30, 1995 would be the completion date for this removal action, dependent on favorable weather conditions. The new estimated completion date for this removal action is by end of January 1996 because of rain and wet soil conditions. Public Works is in the process of preparing a revised schedule.

Exploratory Excavations: This work is being performed by PRC Environmental Management Inc. (PRC) and IT Corporation. The draft Exploratory Excavation Engineering Evaluation/Cost Analysis (EE/CA) was distributed to the regulatory agencies for review. A public summary was prepared and submitted to the Navy and the agencies for review on December 9, 1995.

Groundwater Plumes: This work is being performed by PRC and IT Corporation. The Navy concluded their review of the groundwater EE/CAs for Parcel C and Parcel E on December 18, 1995, and the EE/CA's will be submitted to the agencies for review in January. Work on the Parcel B Groundwater Plume EE/CA is ongoing.

Removal of Contaminated Soils and Floating Product at IR-3: This work is being performed by PRC and IT Corporation. The Navy decided to incorporate the IR-3 treatability studies, thermal and chemical enhanced product removal and ex-situ, into the IR-3 removal action as potential alternative technologies. Levine-Fricke, PRC's team firm, will begin work in this project in January 1996.

Repair of the Storm Drains and the potential Removal of Sediments: This work is being performed by PRC and IT Corporation. The rationale for locations selected for sampling to determine storm drain system reaches with potential for infiltration of contaminated groundwater were presented to the regulatory agencies on December 5, 1995 during a base closure team (BCT)/ remedial project managers (RPM) meeting. After reviewing the proposed sampling locations, the agencies did not request any changes during the December 19 BCT meeting. The field work is scheduled to start in mid to late January 1996.

Sandblast Removal: This work was performed by Battelle. A Summary Report and a Technical Transfer document will be 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 to be provided in mid-January.

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 to be conducted in mid-January to conduct modified WET tests for bay water exposure.

- Ecological Risk Assessment Phase 1B: The preparation of the draft Preliminary Assessment (PA) for Parcel F Report is in Navy's internal review. See Field Work for progress on the ecological sampling effort.
- Radiation Issues: 1) The Navy is preparing a response to the 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 concentration. This is an ongoing monthly activity. 3) No additional radiation-related field work is required at IR-7/18. The final results of the surface and subsurface radiation investigation in IR-7/18 will be discussed in the draft Parcel B RI Report. 4) The Navy is preparing a technical paper 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. 5) The Navy is awaiting internal comments from the Radiological Affairs Support Office (RASO) on the draft field work plan for the survey of former Naval Radiological Defense Laboratory (NRDL) buildings, formerly used defense sites (FUDS), and IR-2. 6) 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. 7) The Navy has submitted the chemical analysis on the investigation-derived-waste (IDW) to RASO for Chem NUC's review. An internal Navy meeting is scheduled for January to discuss the screening and disposal of IDW drums.

- Community Relations: Preparation of the revised draft Community Relations Plan (CRP) continued. The last interview was conducted during the month of December. The draft CRP is due to the agencies February 14, 1996.
- Environmental Baseline Survey (EBS): Progress was made in the preparation of the draft EBS. Ongoing tasks include programs review, database tasks, and adjacent property survey. The draft EBS is due to the Agencies for review on February 28, 1996.
- Master RI/FS Schedule and Schedule of Deliverables for HPA: After receiving agency comments on the master schedule for HPA, the finalized schedule was printed and sent to the Navy and agencies on December 22, 1995.

2. REPORTS SUBMITTED AND MEETINGS

Meetings

- The BCT/RPM meeting took place on December 5, 1995.
- Navy attended a risk assessment training on December 14, 1995.
- Navy met on December 19, 1995 with EPA and DTSC to discuss HHRA methodologies.
- A RAB meeting was not held in the month of December, due to the holidays.

Submittals

- The revised Master Schedule and Deliverables Schedule was submitted to the agencies on December 22, 1995.
- Draft Exploratory Excavation EE/CA was submitted to the agencies for review in December.
- Draft Preliminary Assessment (PA) for Parcel F was submitted to the Navy on December 18, 1995 for review.

3. PROBLEMS ENCOUNTERED AND RESOLUTIONS

- **Background Levels**: On October 2, 1995, the Navy received a letter from the Department stating that the ambient level concentrations submitted on August 17, 1995 were accepted with the exception of chromium, cobalt, and nickel. In this letter, the Department also accepted the regression coefficients and corrected correlation coefficients for chromium, cobalt and nickel. The Department stated that the acceptance was done with the understanding that additional data has not been reviewed, and that they believe that a portion of the antimony data is erroneous due to laboratory error. The Navy is in the

process of preparing a position paper summarizing the Navy's understanding regarding ambient levels at HPA and a proposed action. This letter is expected to be submitted to the Department in early January.

- **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 the Navy's facility boundary appears also to the northwest, either onto or from adjacent private property. A discussion is underway between Navy's counsel and the property owner for right of entry. The Parcel B RI report will report any information if available at the time of its preparation. If additional work is required it will be reported in later documents. Resolution is pending.
- **Sump Clean outs:** Building 411 in Parcel D contains a sump that needs to be cleaned out. Access to this building is limited due to the equipment that is being stored in this building. HPA caretaker is moving the equipment so that soil borings can be advanced adjacent to the sumps. The Navy is also compiling a list of sumps, catch basins, and vaults that will need to be cleaned out.
- **IR-3 Treatability Study:** A decision was made to handle the IR-3 treatability study as part of the removal action (EE/CA) which is currently underway.
- **Waste Management:** The revised schedule for this additional work and subsequent disposal is currently still under discussion between 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 preparing a response that evaluates locations with PCB concentrations that exceed 1 mg/kg to determine an appropriate response action, and expects to submit it in January.
- **Risk Assessment:** There is ongoing discussion between Navy and the agencies regarding the methodology that will be used for the calculation of the HHRA for the Parcel B RI report. The disagreement centers in the area size of the grid that will be used for calculation purposes. The resolution of this issue was to perform the HHRA for the draft Parcel B RI Report based on a one half -acre grid size, and submit a HHRA based on a 2,500 sq. ft. grid size in the draft final Parcel B RI Report and compare the conclusions.
- **Ecological Sampling:** A ship awaiting demolition at Dry Dock 4 by Astoria Metals Corporation is blocking the sampling location at a transect in Parcel E. Either the ship will have to be moved for the sampling to occur, or a new agreed-upon sampling transect will have to be approved. Currently, discussions are underway between the Navy, the agencies, and Astoria Metals.

4. REPORTS AND ACTIVITIES FOR JANUARY 1996

Documents Scheduled for January 1996 Submittal

- Parcel A Storm Monitoring report

- IR-2 Sandblast Grit Recycling Summary Report/Technology Transfer Document
- Response to comments on the IR-3 Treatability Study Work Plan
- Draft Final IR-6 Tank Farm EE/CA
- Draft Final Exploratory Excavation EE/CA
- Draft Groundwater Plume EE/CA for Parcels C and E
- FUDS Work Plan
- Draft Revised QAPjP
- Radiation Investigation of Former NRDL, and IR-02 Work Plan
- Draft Parcel F Preliminary Assessment
- Draft Final Subsurface Radiation Investigation in Parcels B and E Report
- Response to the Department's letter of September 23, 1995 regarding HPALs
- Draft Remedial Investigation Report for Parcel B
- Draft OU II Groundwater Monitoring Report

Activities Planned for January 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. Continue with the implementation of the Phase 1B Ecological Assessment field work. The main task is sediment sampling.
- **Removal actions:** Complete removal action at the Pickling and Plate Yard (IR-09).
- Prepare response to the regulatory agencies' comments on the Dry Dock 4 EE/CA.
- **Radiation Issues:** Prepare for 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 Navy's response regarding locations at HPA with PCB concentrations greater than 1 mg/kg. Continue the preparation of the filtered/unfiltered/slow purge groundwater sampling report. Preliminary Draft due to Navy for review in January.
- **Air Monitoring:** Prepare response to comments on the Phase 2 Air Monitoring report.
- **RI Reports:** Continue the preparation of the Parcel B, C, D and E RI reports.

- **BCT Activities:** Prepare for the monthly BCT/RPM meeting scheduled January 17, 1996.
- **CRP Activities:** Prepare poster session for RAB meeting on January 24, 1996.

5. **KEY PERSONNEL CHANGES**

The parcel manager for Parcels A and E, Scott Weber of PRC, has left the project. He will be replaced by Neill Morgan-Butcher, also of PRC.

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.

ACTIVITY/DELIVERABLE **PERCENTAGE COMPLETE**

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 | 99% |
| • RI Lab Analysis/Data Validation | 93% |
| • RI Data Management/Interpretation | 92% |

RI Work at Site Assessment Sites

- | | |
|-------------------------------------|-----|
| • RI Sampling | 90% |
| • RI Lab Analysis/Data Validation | 60% |
| • RI Data Management/Interpretation | 60% |

RI Work (Including Site Assessment Sites)

- | | |
|-------------------|-----|
| • Draft RI Report | 65% |
|-------------------|-----|

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

- 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 96%
- RI Data Management/Interpretation 94%

RI Work at Site Assessment Sites

- RI Sampling 40%
- RI Lab Analysis/Data Validation 10%
- RI Data Management/Interpretation 5%

RI Work (Including Site Assessment Sites)

- Draft RI Report 10%
- Draft Final RI Report 5%

PARCEL D

- 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 96%

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

- RI Data Management/Interpretation 94%

RI Work at Site Assessment Sites

- RI Sampling 65%
- RI Lab Analysis/Data Validation 30%
- RI Data Management/Interpretation 20%

RI Work (Including Site Assessment Sites)

- Draft RI Report 10%
- 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 95%
- RI Data Management/Interpretation 85%

RI Work At Site Assessment Sites

- RI Sampling 30%
- RI Lab Analysis/Data Validation 20%
- RI Data Management/Interpretation 10%

RI Work (Including Site Assessment Sites)

- Draft RI Report 5%
- Draft Final RI Report 0%

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

TREATABILITY STUDIES/REMOVAL ACTIONS

OU I 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 100%

Removal Actions

Pickling & Plate Yard, IR-9

- Implementation of Removal Action at Pickling and Plate Yard, IR-9 90%
- 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 0%

Soil at IR-6, Tank Farm

- Implementation of Removal Action of Soil at IR-6 20%
- Draft Summary Report of Removal Action of Soil at IR-6 0%
- Draft Final Summary Report of Removal Action of Soil at IR-6 0%

Sandblast Grit Recycling

- Implementation of Sandblast Grit Recycling at OU I 100 %
- Summary Report of Sandblast Grit Recycling at OU I 100 %
- Technical Transfer Document of Sandblast Grit Recycling at OU I 100 %

EE/CA

- Draft EE/CA for Storm Drain System 50%
- Draft Final EE/CA for Storm Drain System 0%

ACTIVITY/DELIVERABLE

PERCENTAGE COMPLETE

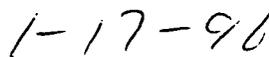
- Draft EE/CA for Floating Products in IR-3 0%
- Draft Final EE/CA for Floating Products in IR-3 0%
- Draft EE/CA for Groundwater Plumes in Parcels B, C, and E 65%
- Draft Final EE/CA for Groundwater Plumes in Parcels B, C, and E 0%
- Draft EE/CA for Exploratory Excavations 100%
- Draft Final EE/CA for Exploratory Excavations 0%
- Draft EE/CA for DD-4 Tunnel Sealing/Cleaning 60%

Facility-wide Investigations

- Draft Phase II Air Sampling Report 85%
- Ecological Risk Assessment Phase IA 100%
- Preparation of Ecological Risk Assessment Phase 1B Work Plan 100%
- Ecological Risk Assessment Phase IB Implementation 25%
- Quarterly Groundwater Monitoring Implementation (OU II sites) 95%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan 100%
- Draft Facility-wide Quarterly Groundwater Monitoring Work Plan Implementation 0%
- Hydrogeologic Conceptual Model Technical Report 100%
- Site-wide Radiological Assessment 35%



RICHARD POWELL
LEAD REMEDIAL PROJECT MANAGER



DATE