



Hunters Point Shipyard

ENVIRONMENTAL CLEANUP

NEWSLETTER



July-September 2001

This *Environmental Cleanup Newsletter* is the sixth in a series of quarterly newsletters describing the Navy's environmental cleanup program at Hunters Point Shipyard. Each newsletter includes articles and information updating various environmental cleanup activities, project progress, and key milestones. The Navy contracts with a local business to distribute these newsletters to individuals on the current mailing list.

BRANCH LIBRARY INFORMATION REPOSITORY CLOSED FOR REPAIRS

Visitors to the Bayview/Anna E. Waden Branch Library in August and September of this year may have been surprised to find the library closed for lengthy repairs. The library has been undergoing major renovation to repair the roof and some interior spaces. The branch library reopened on October 3, 2001. Although the Information Repository at the Waden Branch Library was unavailable during the renovation, the Information Repository at the San Francisco Main Library has been open with a complete and up-to-date document collection.

An additional source of information on the environmental cleanup at Hunters Point Shipyard is located on the internet. Point your browser to <http://www.efdswnavfac.navy.mil/Environmental/HuntersPoint.htm> for newsletters, fact sheets, and Restoration Advisory Board (RAB) meeting minutes and transcripts.

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Parcel D Soil and Pipeline Removal Action Cleanup Completed

In September 2000, the Navy started a Removal Action for non-volatile organic compounds in soil, steam lines, and fuel lines in Parcel D at Hunters Point Shipyard. Following a public comment period, the Navy prepared an Action Memorandum documenting the proposed cleanup strategy. The goal of the removal action was to accelerate the removal of contaminants in the soil and pipelines.

The Navy recently completed the removal action activities on Parcel D, focusing on nine sites. The Navy removed nearly 1,700 cubic yards of soil to a maximum depth of 10 feet. Contaminants at these sites included polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs), and metals including manganese, antimony, lead, chromium, and arsenic. The Navy used local trucking firms to transport the excavated soil off-site to regulatory-approved disposal landfills in northern California.

The evaluation of more than 16,000 feet of underground steam lines throughout Parcel D included observations and analyses at 64 key locations of the steam line and utility corridor network to evaluate the potential for remaining contamination in the lines. If oil or oily water was observed, field teams then collected samples to analyze the contaminants. If no liquid was observed, field teams collected samples by wiping the pipe surface. The team pressure tested the pipe anywhere oil was

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Heavy equipment operator breaks ground on Parcel D.

observed or where analytical results indicated contamination might exist. Approximately 5,600 feet of steam lines on Parcel D was pressure tested by the Navy. The field investigation also included excavation of soil in areas with evidence of oil staining and cracking in the utility corridors. Field teams collected soil samples to verify that no contamination from the steam lines extended beyond the excavation limits. To close out the investigation areas, the Navy plugged the steam lines with grout where possible, or removed the lines and any contaminated soil.



A steam line (completely wrapped in plastic to reduce cross-contamination) is removed from Parcel D.

In total, the Navy cleaned approximately 700 feet of steam lines, removed another 2,100 feet, and closed in place 14,500 feet of steam lines.

In addition to the steam lines, field crews also removed approximately 150 feet of underground fuel line. The field team flushed the fuel line before removing it and collected soil samples from under the pipe. Based on the sample results, the field team excavated two areas. The Navy will further investigate the fuel contamination discovered along this line and will document the results and actions taken in future reports.

Installation Restoration Program Process

Preliminary Assessment/ Site Inspection (PA/SI)	Remedial Investigation (RI)	Feasibility Study (FS)	Proposed Plan/ Public Comment Period	Record of Decision (ROD)/ Responsiveness Summary	Remedial Design	Remedial Action	Property Transfer and Reuse
The PA/SI results in the discovery and verification of potential sites.	The RI identifies and confirms the sources and areas of soil and groundwater contamination.	The FS identifies remedial alternatives for soil and groundwater cleanup.	The public has the opportunity to comment on the preferred remedy and other proposed alternatives.	The selected remedial alternative and responses to public comments are documented in the ROD.	Detailed specifications for the selected remedies are developed.	A qualified contractor begins the closure actions according to specifications.	A Finding of Suitability to Transfer (FOST) is prepared.

Note: The Navy's IR Program is consistent with the guidelines outlined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Interim actions or Removal Actions, may be performed at sites at any point in this process. The Navy meets on an ongoing basis with the BRAC [Base Realignment and Closure Act] Cleanup Team (BCT) to determine ways to accelerate the cleanup of Hunters Point Shipyard.

Community Notification Plan Finalized

Over a nine-month period, the Emergency Response Committee, including representatives from the Navy, regulatory agencies, and the community, met to create a Community Notification Plan (CNP) for the Bayview-Hunters Point community. The Navy issued the final Community Notification Plan on August 17, 2001.

The purpose of the CNP is to define community notification procedures and information distribution, as well as to expand open communication between the Navy and the Bayview-Hunters Point community. The Navy will activate the Emergency Response Committee's notification process during and/or following any incident at the Hunters Point Shipyard that may cause general health and/or safety concerns to the community. Per this plan, the Navy will circulate general summaries of a situation as soon as possible (within 72 hours of an occurrence), and will follow-up with a more complete explanation of the incident. The Emergency Response Committee compiled lists of key contacts from the Navy, the local community, regulatory agencies, government, and local media. These contacts agreed to receive information via e-mail, fax, or telephone from the Navy regarding incidents on and around the Shipyard. The community representatives included on the incident distribution list have a continuing responsibility to pass information to the rest of the Bayview-Hunters Point community. The Emergency Response Committee will review the CNP annually to ensure the contact information listed in the appendix is up-to-date.

If you are interested in receiving a copy of the Community Notification Plan, or becoming a member of the Emergency Response Committee, contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair.

RAB Subcommittees Making Strides

On the April-June 2001 Environmental Cleanup Newsletter, it was reported that the Hunters Point Shipyard Restoration Advisory Board (RAB) approved the creation of four subcommittees: an Economic Development Committee, a Membership and Bylaws Committee, a Risk Review and Health Assessment Committee, and a Technical Review Committee. In addition, the RAB also acknowledged a special ad hoc subcommittee established to review radiological issues.



In the past three months, the leaders of each subcommittee scheduled their first meetings and the subcommittees have been working to advise the RAB. This resulted in devoting a majority of the September 26, 2001, RAB meeting to RAB subcommittee updates (see below). The RAB will continue to allot time on future RAB meeting agendas for subcommittee updates.

Subcommittee Updates

- The first subcommittee to be approved by the RAB, the **Economic Development Committee** has been working with the Navy to organize a Small Business Administration (SBA) workshop to help local businesses become 8-A hub zone certified. The subcommittee has worked to get local trucking companies working on the Shipyard paid monthly, instead of quarterly. The subcommittee has also made progress finding work for local trucking companies on the Shipyard and more opportunities remain.
- The **Membership and Bylaws Committee** has had numerous meetings reviewing and revising the RAB Bylaws, working on such issues as the number of Community Co-chairs represented on the RAB, whether or not government officials will be eligible to vote for Community Co-chairs, and the possibility of adding a new category to RAB membership quotas that will represent shipyard artists. The Navy and the subcommittee have been working together to make certain the roles and responsibilities of the two Community Co-chairs are clearly defined.
- The **Risk Review and Health Assessment Committee** has had meetings to educate members about the goals, principles, and limitations of risk assessment.
- The **Technical Review Committee** is preparing to review the proposed Remedial Design Amendment for manganese and the proposed Explanation of Significant Differences (ESD) to the Parcel B Record of Decision (ROD).
- The **Ad Hoc Radiological Committee** has met to address questions raised by community members and will continue to review radiological issues.

Participation in subcommittee meetings is open to RAB members and the general public. The subcommittee leaders determine schedules for subcommittee meetings. For more information regarding the subcommittees or to contact the subcommittee leaders, please contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair.

Update—Draft Historical Radiological Assessment Expanded To Be More Comprehensive

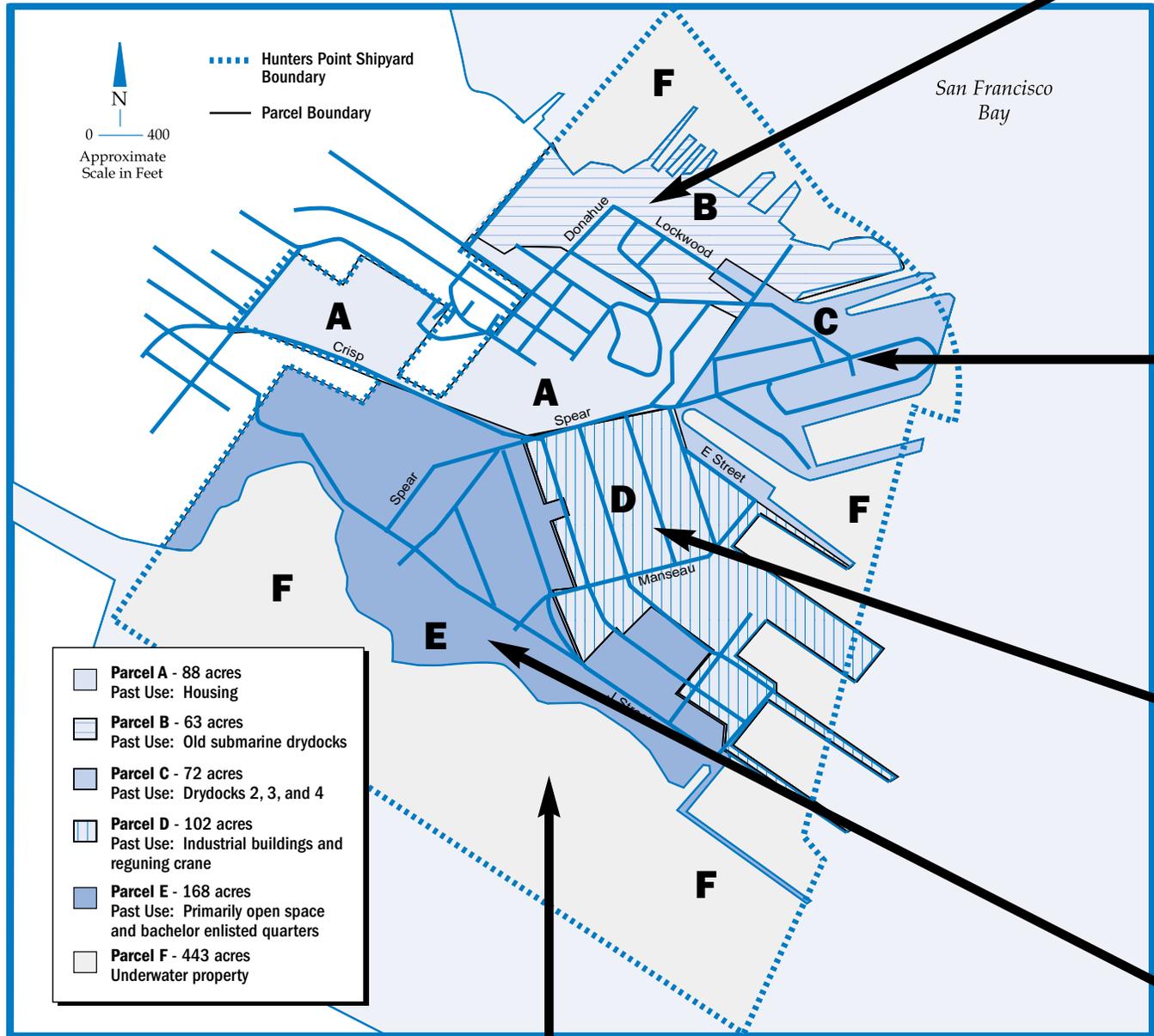
The new date for release of the draft Historical Radiological Assessment (HRA) is December 3, 2001. The purpose of the delay is to allow additional time to locate and review records on Triple A Machine Shop, a former tenant at Hunters Point Shipyard. The former tenant was sued by the City of San Francisco in 1986 for alleged poor waste management practices. Community members, concerned

about potential unauthorized waste disposal by Triple A Machine Shop, requested the record review, which led to this action.

The HRA will provide the Navy and regulators with detailed information on historic uses of radiological programs and materials that were operational at the Shipyard.

Parcel-by-Parcel Status Update—July-September 2001

Hunters Point Shipyard is divided into six parcels (Parcels A through F) to more effectively manage the cleanup effort and efficiently transfer the property to the City of San Francisco (See the figure below). Although chemical contamination resulting from the Shipyard activities varies from site-to-site on each parcel, chemical contaminants at a site may include compounds present in industrial solvents, PCBs, pesticides, gasoline, diesel, motor oil, and/or metals. Following are brief descriptions of environmental investigation and cleanup accomplishments that occurred during July-September 2001 and a look ahead at upcoming activities.



Parcel F July-September 2001 Activities

- Completed human health risk assessment fieldwork.
- Completed fieldwork for sediment dynamics study.
- Issued the draft Sediment Dynamics Memorandum.

What's Next?

- Complete draft Validation Study Report.

Parcel B July-September 2001 Activities

- Conducted July 2001 quarterly groundwater sampling event.
- Completed the delineation and excavation of 99 percent of all identified soil contamination areas.
- Completed perimeter air monitoring at delineated remedial action areas.
- Continued soil vapor extraction (SVE) tests for the Phase II SVE treatability study at Building 123.
- Prepared the final April-June 2001 Quarterly Groundwater Monitoring Report.

What's Next?

- Complete all remedial action work at sites not currently meeting the cleanup goals.
- Evaluate performance data for the Phase II SVE treatability study at Building 123.
- Prepare and submit the final Explanation of Significant Differences (ESD).
- Complete the final Land Use Controls Implementation Plan (LUCIP).
- Complete the Groundwater Evaluation Technical Memorandum and revised Remedial Action Monitoring Plan (RAMP).
- Complete the draft July-September 2001 Quarterly Groundwater Monitoring Report.
- Complete the final Aboveground/Underground Storage Tank (AST/UST) Report.

Parcel C July-September 2001 Activities

- Continued soil excavation activities and confirmation soil sampling.
- Issued the information package for Phase II Groundwater Data Gaps investigation.
- Issued the draft Total Petroleum Hydrocarbon (TPH) Corrective Action Plan (CAP).
- Conducted SVE testing for the Phase II SVE treatability study at volatile organic contaminant (VOC) areas (also includes portions of Parcels B and E).
- Issued the draft Workplan Addendum for chemical oxidation treatability study at VOC groundwater areas (to address technical issues identified during initial injection at Building 253).

What's Next?

- Evaluate performance data for Phase II SVE treatability study at VOC areas.
- Resume chemical injection for chemical oxidation treatability study at VOC groundwater areas pending approval of workplan addendum. Evaluate other treatment options such as enhanced biodegradation and dechlorination using zero-valent iron injection.
- Complete the final Basewide Soil and Pipeline Removal Workplan.
- Continue fuel line and steam line inspections and removals for pipeline removal actions.
- Continue soil delineation and excavation activities for the soil removal actions.
- Complete the revised TPH CAP Sampling and Analysis Plan.
- Complete the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) addenda for the Phase III groundwater data gaps investigation.
- Complete the final AST/UST Report.

Parcel D July-September 2001 Activities

- Completed the fuel line and steam line removal action activities.
- Completed soil delineation and excavation activities for the soil removal actions.
- Continued radiation removal action activities at Building 364.
- Issued the Parcel D Time Critical Removal Action (TCRA) Closeout Report.
- Continued preparation of Parcel D Feasibility Study.

What's Next?

- Complete the final Basewide Soil and Pipeline Removal Workplan.
- Continue radiation removal action activities at Building 364.
- Prepare and submit revised TPH CAP Sampling and Analysis Plan.
- Prepare and submit the final AST/UST Report.
- Finalize Parcel D feasibility study.

Parcel E July-September 2001 Activities

- Issued the draft Landfill Cap Removal Action Closeout Report.
- Continued SVE testing for Phase II SVE treatability study at Building 406.
- Continued radiation removal action activities.
- Issued the information package for Phase II groundwater data gaps investigation and revised beneficial use determination document.

What's Next?

- Evaluate performance data for Phase II SVE treatability study at Building 406.
- Continue radiation removal action activities.
- Complete the revised TPH CAP Sampling and Analysis Plan.
- Complete the FSP/QAPP addenda for the Phase III groundwater data gaps investigation.
- Complete the final AST/UST Report.
- Complete the final Landfill Cap Removal Action Closeout Report.



Sediment samples from offshore Parcel F are prepared for analysis.

Analysis of Offshore Samples Underway at Hunters Point Shipyard

For the first phase of the Parcel F Validation Study that the Navy began early this year, three vessels were used to collect samples of sediment, tissue from clams and worms living in the sediment, and fish. Samples were collected from the offshore area of Hunters Point Shipyard during the months of May and June 2001.

All toxicity tests conducted using these samples have been completed, and the Navy is now in the process of finalizing the sediment and tissue chemistry data results. After all the chemistry data are finalized, the Navy will prepare a draft Validation Study report.

This report will combine the results of the ecological and human health evaluations. The report is scheduled to be completed in early 2002.

Hunters Point Shipyard Information Repositories

The Navy maintains two Information Repositories for Hunters Point Shipyard that contain project documents and other reference materials. The Main Library in downtown San Francisco contains a nearly complete record of all the documents related to the cleanup of Hunters Point Shipyard. The Bayview/Anna E. Waden Branch Library is a smaller collection of documents and contains copies of the major investigation reports for each parcel as well as documents related to more current activities. Public Information Material binders, containing archives of RAB meeting minutes and handouts, are available at both libraries.

The Navy encourages you to visit the libraries and review the documents prepared for Hunters Point Shipyard to gain a more complete understanding of the cleanup investigations.

CITY OF SAN FRANCISCO MAIN LIBRARY

Science, Technical, and Government Documents Room
100 Larkin Street
San Francisco, CA 94102
(415) 557-4500

BAYVIEW/ANNA E. WADEN BRANCH LIBRARY

5075 Third Street
San Francisco, CA 94124
(415) 715-4100

NOTE: Hunters Point Shipyard RAB meeting minutes and agendas will continue to be available to the public at the Information Repositories (listed above) established for the Hunters Point Shipyard cleanup program. Documents are also available on the Navy's web page at <http://www.efds.w.navy.mil/Environmental/HuntersPoint.htm>

RAB MEETING INFORMATION

Hunters Point Shipyard RAB members and the interested public have been regularly informed of the cleanup work underway at the Shipyard. The RAB, composed of representatives from the community, regulatory agencies, and the Navy, meets to review, comment, and make recommendations to the BCT on matters pertaining to the restoration and environmental cleanup of the Shipyard. Approximately 40 people regularly attend and participate at the monthly RAB meetings.

RAB meetings are typically held from 6:00 to 8:00 p.m., in the fourth week of each month at the Bayview Police Station Community Room, although the schedule is subject to change due to room availability. For current schedule information, please contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair.

If you are interested in becoming a RAB member, please indicate your preference on the Hunters Point Shipyard Mailing List Update Form – see the back page. We will mail you an application promptly.

Agencies and Organizations Involved in the Environmental Cleanup Program

LIST OF CONTACTS FOR REGULATORS, NAVY, AND RAB CO-CHAIR			
Name/Title	Organization	Phone	E-mail
Ms. Marie Avery Base Closure Manager	Naval Facilities Engineering Command, Southwest Division	(619) 532-0949 Fax: (619) 532-0995	averyma@ efdswnavfac.navy.mil
Mr. Richard G. Mach, Jr. BRAC Environmental Coordinator	Naval Facilities Engineering Command, Southwest Division	(619) 532-0913 (415) 515-6216 Fax: (619) 532-0995	machrg@ efdswnavfac.navy.mil
Mr. Dave DeMars Lead Remedial Project Mgr.	Naval Facilities Engineering Command, Southwest Division	(619) 532-0912 Fax: (619) 532-0995	demarsdb@ efdswnavfac.navy.mil
Ms. Claire Trombadore Project Manager for Parcels A, B, and D	U.S. Environmental Protection Agency	(415) 744-2409 Fax: (415) 744-1916	trombadore.claire@epa.gov
Mr. Michael Work Project Manager for Parcels C, E, and F	U.S. Environmental Protection Agency	(415) 744-2392 Fax: (415) 744-1916	work.michael@epa.gov
Mr. Chein Kao Project Manager	California Department of Toxic Substances Control	(510) 540-3822 Fax: (510) 849-5285	ckao@dtsc.ca.gov
Mr. Michael Rochette Project Manager	California Regional Water Quality Control Board	(510) 622-2411 Fax: (510) 622-2458	mbr@rb2.swrcb.ca.gov
Ms. Dorothy Peterson RAB Community Co-chair	Hunters Point Resident	(415) 648-0661	dotp@silcon.com
Ms. Caroline Washington RAB Community Co-chair	Hunters Point Resident	(415) 822-9392	sweetcaroline2825@ hotmail.com

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Navy CLEAN 3, CTO-007
Community Relations Office
1230 Columbia Street, Suite 400
San Diego CA 92101-8502



Hunters Point Shipyard Mailing List Update Form

To better serve the community regarding the Hunters Point Shipyard environmental cleanup program, we are continuing to update our mailing list. **Please complete the information form and return it as soon as possible.**

1. **YES**, Please add me to the mailing list. I would like to receive the following (please check all that apply):
 - a. fact sheets, proposed plans, and newsletters
 - b. monthly Restoration Advisory Board meeting agendas, minutes, and notices of upcoming meetings
2. I would prefer to receive the mailers by (please check one box and then complete all information in the mailing box to the right):
 - a. U.S. Mail
 - b. E-mail
3. **PLEASE DELETE ME FROM THE MAILING LIST.** I do **NOT** wish to receive Hunters Point Shipyard mail.
4. I have been receiving **EXTRA MAILINGS.** Please **provide the correct mailing information** in the box to the right.

Please return by U.S. Mail or FAX to: Navy CLEAN 3, CTO-007, Community Relations Office at (619) 687-8787.

Mailing Box—Please provide ALL information:

Name _____

Organization _____

Address _____

City _____

State _____ Zip _____

Area Code: _____ Telephone _____

FAX or alternate number: _____

E-mail: _____

Please indicate if you are interested in becoming a Restoration Advisory Board Member: (See page 6)

Yes

No

