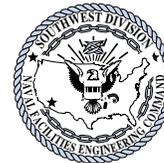




Hunters Point Shipyard

ENVIRONMENTAL CLEANUP

NEWSLETTER



April-June 2001

This *Environmental Cleanup Newsletter* is the fifth in a series of quarterly newsletters describing the Navy's environmental cleanup program at Hunters Point Shipyard. Each quarterly newsletter includes articles and information updating various environmental cleanup activities, project progress, and key milestones. The Navy has contracted with a local community organization for the distribution of this newsletter to those individuals on the current mailing list.

MAKE SURE YOU GET YOUR COPY OF THE ENVIRONMENTAL CLEANUP NEWSLETTER

The *Environmental Cleanup Newsletter* focuses on providing the latest information and progress about the Navy's cleanup program at Hunters Point Shipyard. We want to make certain that everybody who is interested gets a copy of this newsletter. Use the **Hunters Point Shipyard Mailing List Update Form** on the back page of this newsletter to add your name and address to our mailing list. You will then receive the next newsletter as soon as it's published.

To provide greater access to environmental cleanup information at Hunters Point Shipyard, this newsletter is also available on the internet. Point your browser to <http://www.efdswnavfac.navy.mil/Environmental/HuntersPoint.htm> for this newsletter and the four issues previously published.

If you would prefer to receive future issues of the *Environmental Cleanup Newsletter* via e-mail, use the **Hunters Point Shipyard Mailing List Update Form** and give us your e-mail address. You will then receive the next issue via e-mail. You will be helping the Navy save your tax dollars and our precious natural resources.

INSIDE THIS ISSUE

	Page
Emergency Response Plan	2
IRP Process	2
Offsite Investigations at Parcel F	3
Parcel-by-Parcel Status Update	4
Job Opportunities	6
Information Repositories	6
RAB Meeting Information	6
Agencies and Organizations	7

Art Project Helps Students Learn about Environment at Hunters Point Shipyard

More than 350 fifth grade students from five elementary schools in the Hunters Point neighborhood went on a field trip to learn about art, and learn firsthand how the Navy is conducting environmental investigations and cleaning up the former Hunters Point Shipyard. The students visited the former Naval Shipyard on May 24, 2001. The fifth graders learned about environmental issues, asked questions, and experienced being scientists for a day. They even got to try on protective clothing and dig for pretend contamination in specially constructed sandboxes. This unique learning opportunity was part of an art education project begun in 1992 by Heidi Hardin of the Bayview Opera House Environmental Education Program (BEEP), who worked in conjunction with Hunters Point Base Closure Manager, Marie Avery, and the Navy Public Affairs Officer, Tom Pinard. Members of BEEP volunteer in the local elementary schools by bringing local artists who have studios located at the Shipyard to teach the children how to paint and learn about the environment in a fun and expressive atmosphere.

As each bus load of students arrived throughout the morning, Commander Ken Rado was on hand to greet the fifth graders. He presented a short history of the Shipyard and pointed out the docks and other facilities,

CONTINUED ON PAGE 2 ▶



Local fifth graders, two of which are outfitted in protective clothing for demonstration purposes, are instructed by two Tetra Tech scientists in collecting "pretend" soil samples during a field trip to Hunters Point Shipyard.

including the large dry dock that is still used for disassembling former Navy ships. Richard Mach, Hunters Point Base Realignment and Closure (BRAC) Environmental Coordinator, told the students how the Navy is working to clean up the Shipyard so it can be used by the citizens of San Francisco. U.S. EPA Project Manager, Claire Trombadore explained the U.S. EPA's role in overseeing the Navy's cleanup program at the Shipyard. Each bus load of students also heard from city officials on what the Shipyard will look like when it is converted to civilian use. Before leaving the students had a narrated tour of the facility with Terry Greiner of the Navy.

The highlight of the field trip for the students was the "hands on" learning opportunity with environmental specialists from one of the Navy's contractors at Hunters Point, Tetra Tech EMI (TtEMI). Four plastic children's pools were filled with clean playground sand. A group of 10 TtEMI employees divided the children into small groups and dressed some of them up in protective clothing, including special Tyvek® suits, hard hats, goggles, and gloves, to sample for different types of "contamination." To represent typical environmental contaminants that environmental scientists look for while doing their job, nuts and bolts (metal debris), chocolate syrup (oil), sticky slime (cleaning solvents), and glitter (metal filings) were buried in the sand. The children formed four field teams and learned how to systematically investigate each area in search of the pretend "contamination." After locating the pretend contaminants, "samples" were collected and labeled. The children were also taught the importance of health and safety procedures when sampling.

The students then went back to their schools to work on various art projects applying what they learned from the field trip. They wrote essays about the history of the Shipyard and the environmental cleanup that

is taking place. Some of students' artwork has been selected by a panel of judges and will be on display at various businesses and public buildings throughout the Hunters Point Bayview community this coming year. Parents, students, and faculty from the schools overflowed the Opera House in an evening "final celebration" of the 2001 project. Supervisor Sophie Maxwell of the San Francisco Board of Supervisors inspired the students to continue their art education following this splendid display from the former Naval facility.

Field trips to the Hunters Point Shipyard were started by the Navy in 1992 and have been carried out on 6 separate occasions during the last 9 years. As Commander Rado stated, "Our participation in the Bayview Opera House Environmental Education Program is an opportunity for us to tell our story about Hunters Point Naval Shipyard, its role in shaping our nation's history, and the plans for its future."

EMERGENCY RESPONSE PLAN

The Navy, TtEMI, and 10 community members that comprise the Emergency Response Committee have been working for the past 9 months to create the Bayview Hunters Point Community Notification Plan. The most recent meeting of the Emergency Response Committee was held on July 6, 2001, at the Bayview Police Station. The purpose of this session was to review and comment on the Draft Community Notification Plan.

The Navy will continue to take comments on the Community Notification Plan until July 31, 2001. Comments on the Plan will be incorporated and the Final Community Notification Plan will be issued in August 2001. A presentation to the RAB will follow finalizing and approving the document.

The next Emergency Response Committee meeting will be held from 9:00 to 11:00 a.m. on August 10, 2001, at the Bayview Police Station. All interested parties are welcome to attend and participate in this meeting.

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.

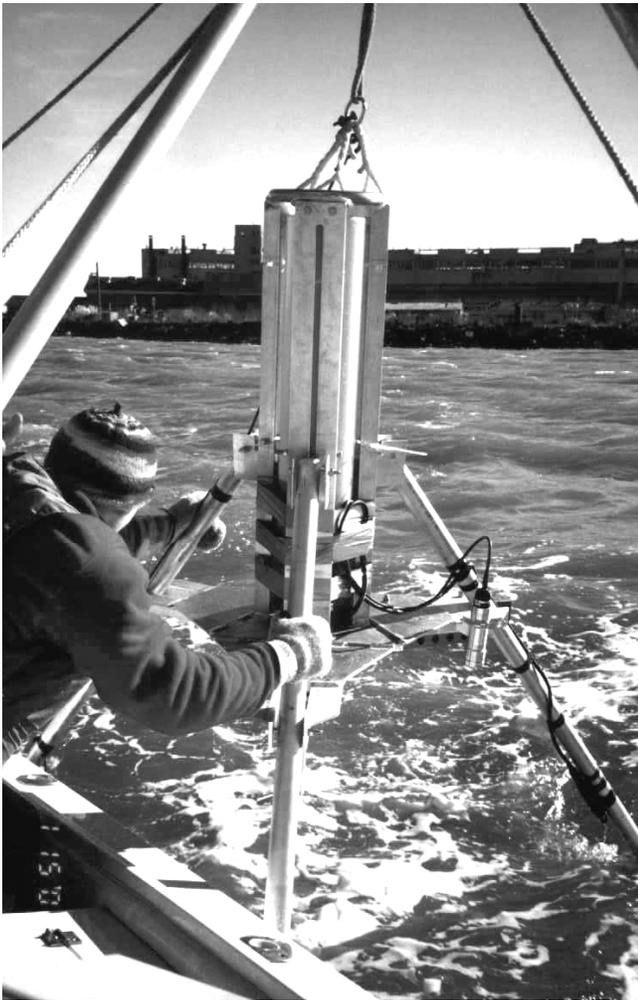
Note: The Navy's IR Program is consistent with the guidelines outlined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Interim actions or Removal Actions, may be performed at sites at 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.

Offshore Investigations Conducted at Parcel F

Three major field efforts occurred at Parcel F (offshore area at Hunters Point Shipyard) during May and June 2001. The results of the field efforts will be presented in a Validation Study report to be completed in early 2002.

First, a sediment dynamics study in Parcel F is underway. In January and February of 2001, the Navy collected information on tides, currents, waves, and suspended sediment concentrations to evaluate the movement of sediment around Parcel F. A second round of data will be collected in July of 2001.

Second, as part of the Validation Study of Parcel F, three vessels were used to collect samples of sediment, tissue from clams and worms living in the sediment, and fish. The sediment was collected from 59 sampling stations and analyzed for chemical contamination and toxicity to aquatic organisms. In addition, the potential for bioaccumulation of chemicals from the sediment into the aquatic food chain is



A member of the field team collects sediment from a van Veen grab sampler. The sampler unit is lowered to the bottom of the bay to obtain sediment samples.



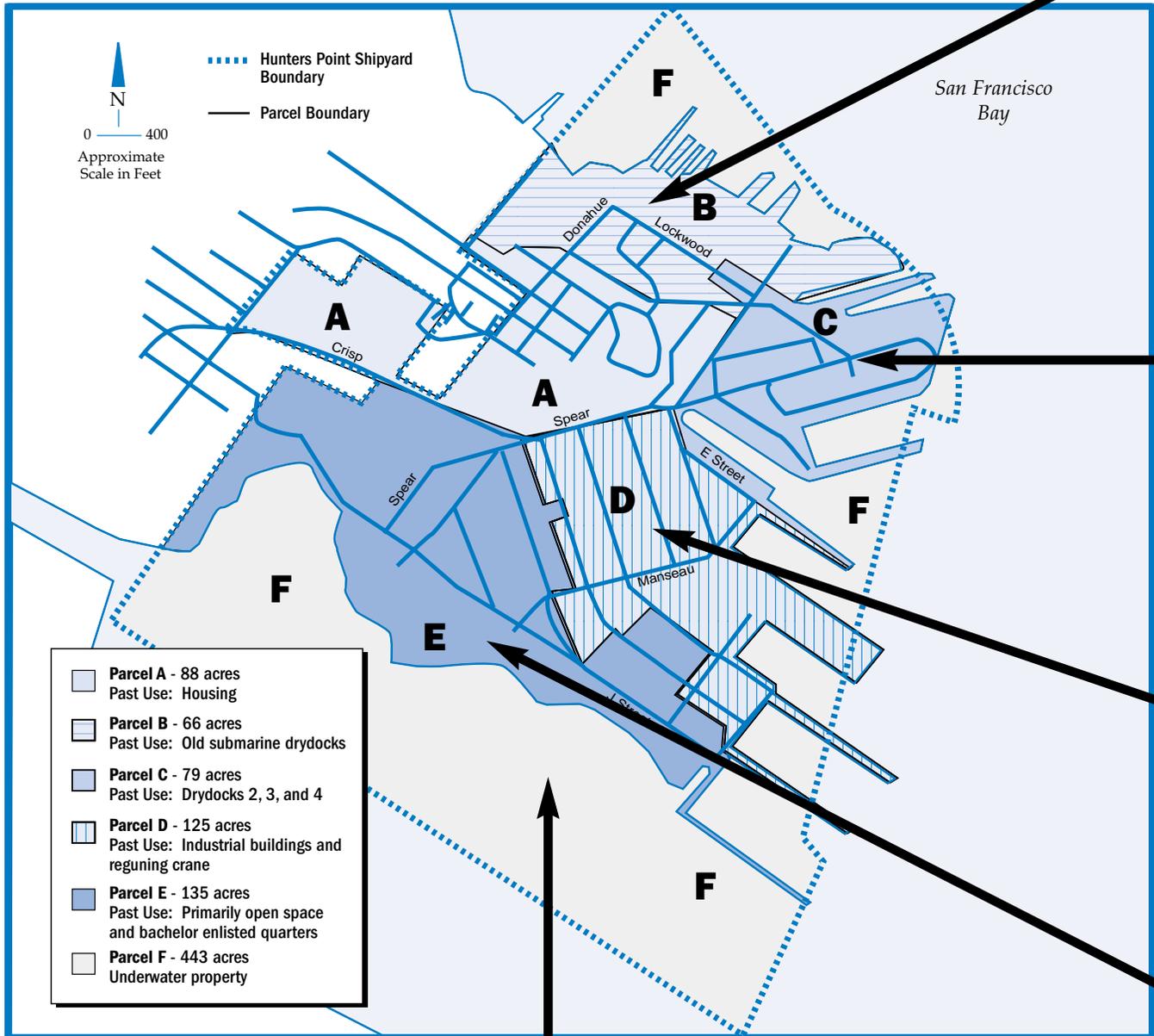
The sediment transport measurement system is being deployed near Point Avisadero as part of the sediment dynamics study. The instrument collects data on tides, currents, waves, and suspended sediment concentrations.

being assessed through both laboratory bioaccumulation tests and tissue samples from clams, worms and fish collected from Parcel F. The data collected in the study will be used to determine the type and extent of contaminants present in offshore sediments that may pose a risk to public health and the environment and could require cleanup.

Thirdly, in May and June 2001, sport fish (surf perch and jacksmelt) were collected from the waters near Hunters Point Shipyard and three other areas around San Francisco Bay. These fish will be evaluated to determine if chemical concentrations in fish caught at Hunters Point differ significantly from those in fish caught elsewhere in the Bay.

Parcel-by-Parcel Status Update — April-June 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. 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, polychlorinated biphenyls (PCBs), pesticides, gasoline, diesel, motor oil, and/or metals. Following are just some of the highlights of the many environmental investigation/cleanup accomplishments that occurred during April-June 2001 and a look ahead at upcoming activities. A complete listing of all of the activities and documents is shown on the Navy's Monthly Progress Reports, included in the Public Information Materials binders located in the Information Repositories. *(Please refer to page 6 for more information.)*



Parcel F April-June 2001 Activities

- Completed the draft final Human Health (HH) Risk Assessment Work Plan on May 2, 2001.
- Submitted the draft Sediment Dynamics Memorandum on May 31, 2001.
- Began validation study (VS) and HH fieldwork.

What's Next?

- Complete the Final HH Risk Assessment Work Plan, if necessary.
- Continue VS fieldwork and HH fieldwork.
- Complete the draft Field Summary Report for VS work.

Parcel B April-June 2001 Activities

- Excavation activities conducted to date have removed approximately 93,000 cubic yards of contaminated soil.
- Continued conducting soil vapor extraction (SVE) tests for the treatability study at Building 123.
- Completed the draft January-March 2001 Quarterly Groundwater Monitoring Report on April 20, 2001, and conducted April-June 2001 quarterly groundwater sampling event.
- Submitted the draft Explanation of Significant Differences (ESD) on April 20, 2001 to the Parcel B Record of Decision (ROD).
- Submitted the draft Parcel B Technical Memorandum for residual total petroleum hydrocarbon (TPH) product delineation on May 17, 2001.

What's Next?

- Complete soil excavation activities and perimeter air monitoring, and submit the draft Construction Summary Report.
- Continue conducting SVE tests for the treatability study at Building 123.
- Complete the Final January-March 2001 Quarterly Groundwater Monitoring Report, conduct July-August 2001 quarterly groundwater sampling event, and complete the draft April-June 2001 Quarterly Groundwater Monitoring Report.
- Complete the Final ESD (or ROD Amendment).
- Complete the draft Aboveground Storage Tank/Underground Storage Tank (AST/UST) Report.
- Complete Final Land Use Controls Implementation Plan (LUCIP) pending finalization of land use covenant.

Parcel C April-June 2001 Activities

- Conducted SVE testing for the treatability study at volatile organic contaminant (VOC) areas (also includes portions of Parcels B and E).
- Continued delineation sampling for soil removal actions.
- Continued fuel and steam line inspections for pipeline removal actions.
- Began chemical injection for chemical oxidation treatability study at Building 253. Stopped injecting after release to the San Francisco Bay on April 18, 2001.
- Submitted the Final Beneficial Use Determination Letter on April 12, 2001.

What's Next?

- Resume chemical injection for chemical oxidation treatability study at VOC groundwater areas pending resolution of technical issues identified during initial injection at Building 253.
- Complete the draft AST/UST Report.
- Continue fuel and steam line inspections for pipeline removal actions and begin fuel line removals.
- Continue soil delineation actions and soil excavation activities.
- Complete information package for Phase II groundwater data gaps investigation.

Parcel D April-June 2001 Activities

- Completed fuel and steam line removal action activities.
- Completed soil delineation and excavation activities for the soil removal actions.
- Continued radiation removal action activities.
- Submitted the Final Beneficial Use Determination Letter on April 12, 2001.

What's Next?

- Complete information package for Phase II groundwater data gaps investigation.
- Complete the draft AST/UST Report.
- Complete draft Removal Action Closeout Report for soil and pipeline removal actions.
- Complete draft Revised Feasibility Study.
- Continue radiation removal action activities at Building 364.

Parcel E April-June 2001 Activities

- Completed air sampling during working hours of cap construction at the landfill fire area.
- Submitted the Final Beneficial Use Determination Letter on April 12, 2001.
- Completed groundwater sampling for Phase II groundwater data gaps investigation.
- Continued radiation removal action activities.
- Continued SVE testing for treatability study at Building 406 (limited field activities in Parcel E).

What's Next?

- Complete the draft Landfill Cap Removal Action Closeout Report.
- Continue SVE testing for Phase II SVE treatability study at Building 406.
- Continue radiation removal action activities.

RAB Subcommittee Formed to Boost Job Opportunities at Hunters Point Shipyard

The Hunters Point Shipyard Restoration Advisory Board (RAB) recently approved creation of a new Economic Development Committee to work in a cooperative manner with the Navy to provide more jobs for Bayview residents. Newly elected RAB member, Mr. Jesse Mason, is taking the lead and has been working closely with Navy and Small Business Association (SBA) representatives.

The first subcommittee meeting was held in June 2001, and the issues discussed varied between local labor concerns, subcontracting procedures, and the intended focus of the RAB subcommittee. The Navy will continue to work closely with this subcommittee to look for opportunities to increase the number of jobs to the local community. Navy and SBA representatives have tentatively scheduled a meeting for the first week of July with Mr. Mason to continue formalizing the overall strategy to address issues within the jurisdiction of the Navy and SBA.

The formation of four additional subcommittees was approved at the June 28, 2001 RAB meeting. Leading the Membership and By-laws Committee will be Mr. Keith Tisdell. Mr. Raymond Tompkins will lead the Risk Review and Health Assessment Committee, and Ms. Christine Shirley will lead the Technical Review Committee. A special, ad hoc subcommittee has also been established to review radiological issues and is being lead by Ms. Ahimsa Sumchai. Participation in subcommittee meetings is open to RAB members and the general public. Schedules for subcommittee meetings will be determined by the subcommittee leaders.

For more information on subcommittee participation, contacting the subcommittee leaders, and upcoming meeting dates, please contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair at (619) 532-0913 or toll free (866) 281-5605.

RAB MEETING INFORMATION

Hunters Point Shipyard Restoration Advisory Board (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 Base Closure Team (BCT) on matters pertaining to the restoration and environmental cleanup of the Shipyard. RAB meetings are typically held from 6:00 to 8:00 p.m., on the fourth Thursday of each month at the Bayview Police Station Community Room. Approximately 50 people regularly attend and participate at the monthly RAB meetings. For additional schedule information, please contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair at (619) 532-0913 or toll free (866) 281-5605.

Beginning in July 2001, the Navy will increase circulation of public notices for RAB meetings by placing notices in a third newspaper. Look for monthly announcements in *The Independent*, the *San Francisco Bay View*, and now in *The Sun-Reporter*.

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 promptly mail you an application.

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 the past 2 years 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. Some documents are also available on the Southwest Division Naval Facilities Engineering Command (SWDIV) web page at <http://www.efdswnavfac.navy.mil/Environmental/HuntersPoint.htm>

For more information on the cleanup program at Hunters Point Shipyard, please contact Mr. Richard G. Mach, Jr., P.E., Base Realignment and Closure Environmental Coordinator and RAB Navy Co-chair at (619) 532-0913 or toll free (866) 281-5605.

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 (866) 281-5606 - toll free 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. Brad Job Project Manager	California Regional Water Quality Control Board	(510) 622-2400 Fax: (510) 622-2458	lbj@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	no e-mail address



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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.**

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

I am interested in becoming a Restoration Advisory
Board Member Yes No

