The Navy is Presenting a Cleanup Plan for the Treasure Island Housing Area and Your Comments Are Requested

March 2016

The Navy is presenting a proposed cleanup plan, called a Proposed Plan/Draft Remedial Action Plan, for cleanup of chemical contaminants beneath the ground within Site 12 (the TI Housing Area). The Proposed Plan is about 25 pages long, and was mailed to all residents. **This fact sheet gives a shorter summary of that Proposed Plan.** For more details, see the Proposed Plan, or see page 3 of this fact sheet for your invitation to a public meeting and phone numbers you can call for more information.

What Needs to be Cleaned Up?

This cleanup is specifically for certain areas of Site 12, the Treasure Island Housing Area. When Treasure Island was an active naval base, the Site 12 area was used for small ammunitions and equipment storage, vehicle storage, salvage and supply yards, and also for burying incinerator ash and municipal waste in certain areas. The activities took place from 1941-1965, before the Navy built housing in the area. The Navy's environmental program has collected thousands of soil and groundwater samples to determine where the contaminants are and at what concentrations. Based on evaluations done by the Navy and regulatory agencies, these contaminants require cleanup to ensure future health and safety at Site 12. (For details, see the table below.) It's important to note that there are other cleanup actions going on at Site 12. This Proposed Plan and fact sheet DO NOT cover radiological investigations and cleanup, and do not discuss the ongoing digging in the solid waste disposal areas near Perimeter Road. These projects will be covered by another Proposed Plan in the future.

Contaminant Name	What it is/Why it was Used on Treasure Island
Dioxins	Created when items such as trash are burned. There was a large trash incinerator within Site 12 in the 1950's, before the housing was built. It was a common practice to burn trash and then bury it.
Polycyclic aromatic hydrocarbons (PAHs)	Created when coal, oil, or gasoline are partially burned. They are often found in soot and burned trash.
Lead	A naturally occurring metal that used to be added to paint, ceramics, or gasoline. Lead may have gotten into soil from leaking fuels, chipped paint, or burned items that contained lead.
Polychlorinated biphenyls (PCBs)	Man-made chemicals used as insulation in electrical equipment because they could get hot but not pose a fire danger. They were used on TI in electrical transformers and other equipment.
Petroleum Hydrocarbons	Mixture of various chemicals that come from crude oil and petroleum products. Petroleum hydrocarbons in the soil can cause arsenic* to get into the groundwater. There is one area near Gateview Avenue that needs to be cleaned up. **Arsenic is a metal that naturally occurs in soil. It is only of concern at TI because it is getting into groundwater.*

ED_002145A_00029318-00001

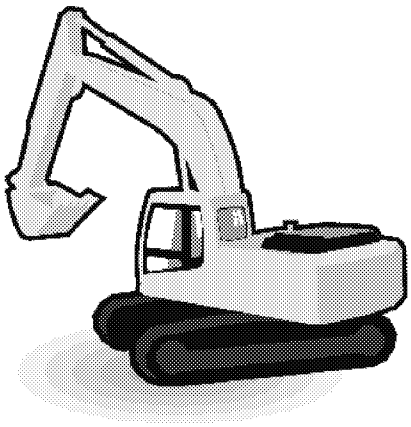
How is the Navy Going to do the Cleanup?

The Navy has not selected the final cleanup plan. Right now we are sharing our recommended cleanup, and asking for community comments. The goal is to remove dioxins, lead, PCBs, and PAHs in soil, as well as arsenic in groundwater. Arsenic can be treated in groundwater, but as long as petroleum is in the soil, arsenic will keep getting into the groundwater. So, to get rid of arsenic in groundwater, the Navy must get rid of the petroleum.

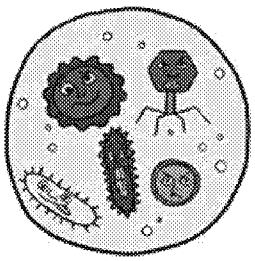
The Navy reviewed several alternatives for cleanup. The Proposed Plan/Draft Remedial Action Plan presents all of those alternatives, and highlights our preferred plan to clean up soil and groundwater.

The Navy's Preferred Cleanup Plans for Site 12

TO CLEAN UP SOIL, the Navy would like to dig up specific areas where the chemicals were found at levels that require action. The soil will be hauled off of Treasure Island in trucks and disposed of at an industrial landfill. In the Proposed Plan/Draft Remedial Action Plan this is labeled "Alternative S-3."



TO CLEAN UP GROUNDWATER*, the Navy would like to dig up petroleum that is in the soil in one area near Gateview Avenue. Most of the petroleum can be removed, but if necessary, the Navy may also need to inject oxygen and enhance the groundwater environment to speed the process of breaking down any remaining petroleum. This is called bio-remediation and has been used at other sites on Treasure Island. Then the Navy would monitor the groundwater in this area to make sure the petroleum is gone and the arsenic concentrations are lower. This is referred to as "Alternative GW-5."



*Groundwater is water that naturally flows beneath soil. On Treasure Island, groundwater is usually found about 4 feet below the ground. Groundwater is never used for drinking water on Treasure Island.

How Does the Navy Determine the Best Cleanup Method?

The Navy uses a mandatory checklist to measure which cleanup plan is best. The final measure, community acceptance, is evaluated based on feedback on this Proposed Plan/Draft Remedial Action Plan received during the public comment period. For the full evaluation, see the Proposed Plan/Draft Remedial Action Plan.

ED_002145A_00029318-00002

How Will This Cleanup Affect Me?

Community comments on this Proposed Plan/Draft Remedial Action Plan will help the Navy determine the best way to do the cleanup. There will be planning documents, and before any work on-site begins, a workplan will be prepared that details how and when the work will take place. This includes the equipment that will be used, truck routes, health and safety plans, dust and air monitoring, and protocols for minimizing dust and noise. The Navy will try to reduce any inconveniences, and will send out work notices to inform residents of truck routes, work hours, street closures, controlling dust, and minimizing noise. The general time-frame for starting the field work is early 2018.

Your Input Will Help Determine the Final Cleanup

Review the Proposed Plan/Draft Remedial Action Plan, then provide your comments. After the comment period has ended, the Navy and the regulatory agencies will review and consider community comments received before they make a final decision for Site 12. The final decision will be documented in a Record of Decision/Final Remedial Action Plan, which will include responses to any comments received on the Proposed Plan/Draft Remedial Action Plan.

YOUR INVITATION TO COMMENT

Community involvement is essential to selecting remedial alternatives, and we encourage you to provide comments. The 31-day public comment period for the Proposed Plan/Draft Remedial Action Plan is March 21, 2016, through April 21, 2016.

COMMENTS

There are two ways to provide comments during this period:

Public Meeting **March 30, 2016—6:00 p.m. to 7:30 p.m.**
Casa de la Vista, 191 Avenue of the Palms
Treasure Island, California

You are invited to this public meeting to discuss the information presented in this Proposed Plan/Draft Remedial Action Plan for Site 12. Navy representatives will provide information on the environmental investigations conducted for Site 12. You will have an opportunity to ask questions and formally comment on the Navy's proposal at Site 12 as presented in this Proposed Plan/Draft Remedial Action Plan.

Submit Comments

We encourage you to comment on this Proposed Plan/Draft Remedial Action Plan during the 30-day public comment period. You may provide written or oral comments on the Proposed Plan/Draft Remedial Action Plan at the public meeting or submit your comments in writing after the public meeting. You may mail or e-mail written comments on this Proposed Plan/Draft Remedial Action Plan to the Navy contact person provided on page 4, postmarked no later than April 21, 2016.

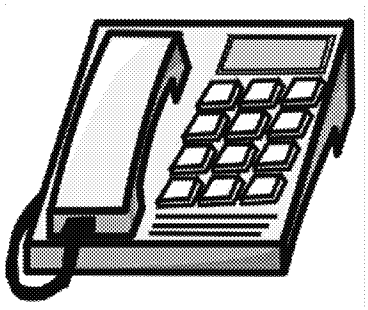
ED_002145A_00029318-00003

The State of California is Overseeing the Project

The California Department of Toxic Substances Control (DTSC) provides oversight of the Navy's cleanup at Treasure Island. In compliance with the California Environmental Quality Act, DTSC has prepared an Initial Study to evaluate possible impacts of the proposed cleanup on the environment. The findings of the Initial Study are that the project would not have a significant effect on public health or the environment. Therefore, DTSC has prepared a proposed Negative Declaration for the Site 12 cleanup. Both the Initial Study and the proposed Negative Declaration are available for review and comment during the public comment period at the two information repositories listed on page 4 and at the DTSC File Room (located at 700 Heinz Avenue, Berkeley, California 94710). Please call for an appointment at 510-540-3800.

For More Information

For more information on the environmental program at Treasure Island, the Proposed Plan/Draft Remedial Action Plan, or the Notice of Exemption, please contact the following:



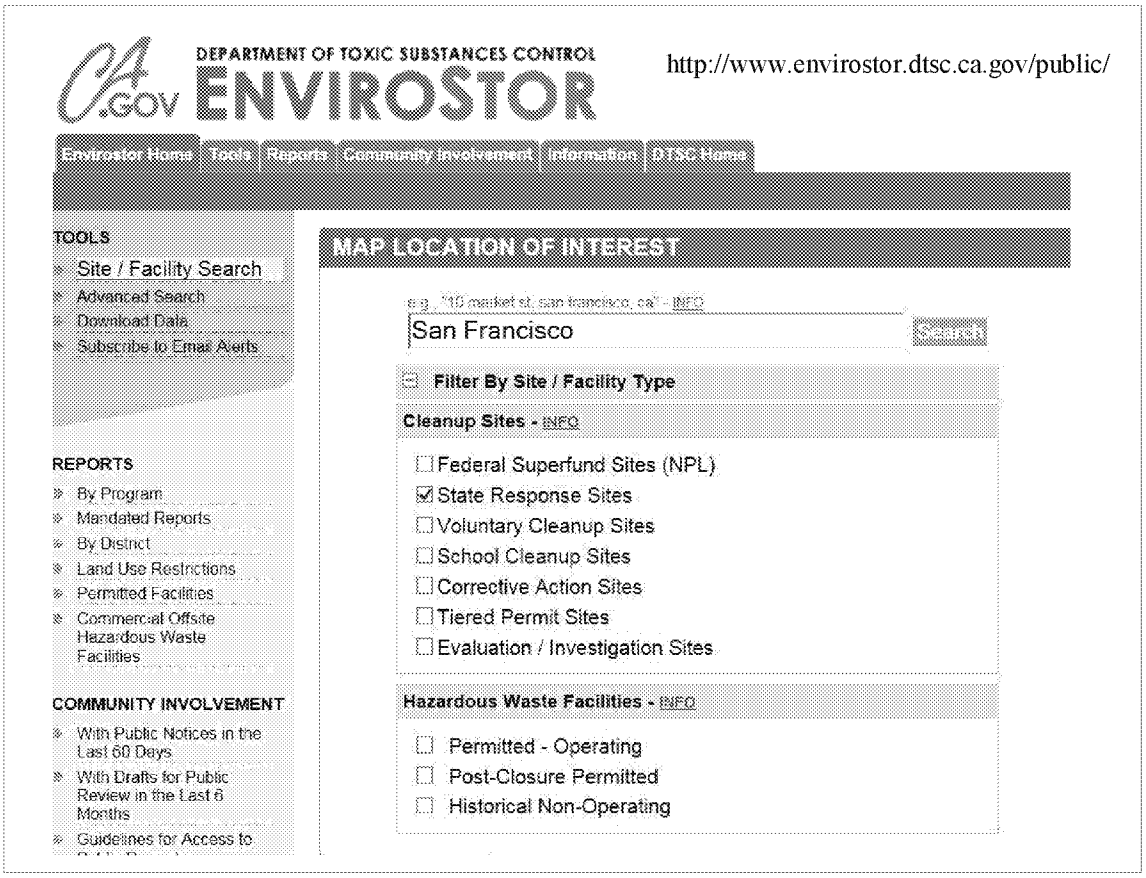
NAVY CONTACT	CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL CONTACT
Mr. Keith Forman BRAC Environmental Coordinator Department of the Navy BRAC Program Management Office West 33000 Nixie Way, Building 50 San Diego, CA 92147 (415) 308-1458 Keith.s.forman@navy.mil	Ms. Remedios Sunga 700 Heinz Avenue Berkeley, CA 94710 (510) 540-3840 Remedios.sunga@dtsc.ca.gov
WATER BOARD CONTACT	**EPA CONTACT**
Ms. Myriam Zech 1515 Clay Street Oakland, CA 94612 (510) 622-5684 Myriam.zech@waterboards.ca.gov	Ms. Nadia Hollan Burke 75 Hawthorne Street, SFD-8-1 San Francisco, CA 94105 (415) 972-3187 Burke.nadiahollan@epa.gov

ED_002145A_00029318-00004

Where Can I Read the Full-length Proposed Plan/Draft Remedial Action Plan?

You likely already received the document in the mail. Below are instructions for where to find additional copies or to review it on-line.

To Read a Hard Copy of the Proposed Plan/Draft Remedial Action Plan	
San Francisco Main Public Library Government Publications Section 100 Larkin Street, 5th Floor San Francisco, CA 94102 (415) 557-4400, call for hours	**Building One on Treasure Island** Building 1 Avenue of the Palms, Suite 161 Treasure Island San Francisco, CA 94130 (415) 743-4729, call for hours
To Read an Electronic Copy of the Proposed Plan/Draft Remedial Action Plan	
The Navy's website: http://www.bracpmo.navy.mil. Select "BRAC bases," then select "California." On the left-hand side select "Former Naval Station Treasure Island."	**DTSC's website:** http://www.envirostor.dtsc.ca.gov/public/ Enter "San Francisco" as the City and check "State Response Sites" box. **[see picture below]** Then scroll down and select "Naval Station Treasure Island/Site 12 Old Bunker Area" and click on the link "Activities" to view documents



Mr. Keith Forman
Department of the Navy
BRAC Program Management Office West
33000 Nixie Way, Building 50
San Diego, CA 92147