

FOR MORE INFORMATION

If you have questions about the Draft Final for Public Review FS/RAW, please contact:

DTSC Public Participation Specialist

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ANUNCIO

Si prefiere hablar con alguien en español acerca de esta información, favor de llamar a Especialista en Participación Pública de el Departamento de Control de Substancias Tóxicas. El número de teléfono es (510) 540-3842.

INFORMATION REPOSITORIES

The Draft Final for Public Review and other project documents are available for review at:

John F. Kennedy Library

505 Santa Clara Street
Vallejo, CA 94590
Phone: (866) 572-7587

DTSC Berkeley Office

700 Heinz Avenue
Berkeley, CA 94710-2721

NOTICE TO HEARING-IMPAIRED INDIVIDUALS

TDD users can obtain information about the site by using the California State Relay Service (888) 877-5378 to reach the Public Participation Specialist.

MARE ISLAND RESTORATION ADVISORY BOARD (RAB)

Mare Island has a RAB that comprises interested community members and regulatory representatives. The RAB usually meets on the last Thursday of the month.

FACT SHEET, August 2009

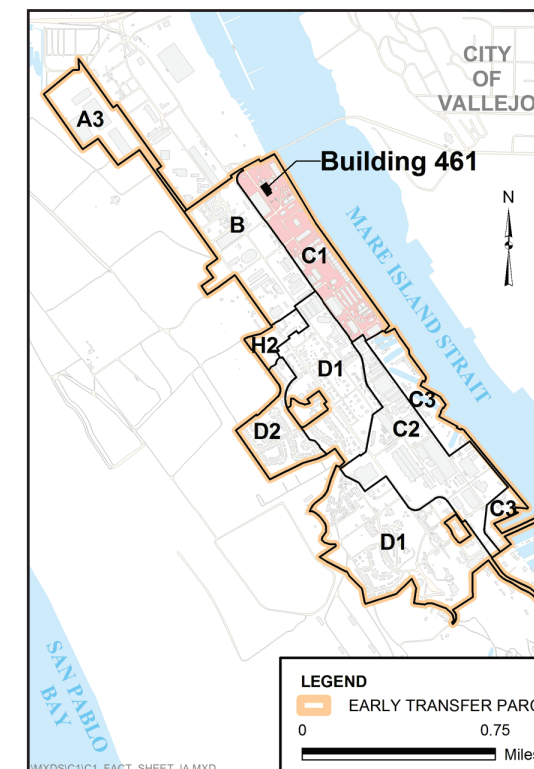
Mare Island Draft Final for Public Review Feasibility Study/Removal Action Work Plan for the Building 461 Area, Investigation Area C1, Lennar Mare Island Available for Public Comment

The Department of Toxic Substances Control (DTSC) is distributing this fact sheet to inform the community about the Draft Final for Public Review Feasibility Study/Removal Action Work Plan (FS/RAW) for the Building 461 Area located in Investigation Area (IA) C1 of Lennar Mare Island, Vallejo, California. The Draft Final for Public Review FS/RAW was prepared to address soil contamination within the Building 461 crawl space (the site). This fact sheet also provides information about the public involvement process available for the public to comment on the FS/RAW.

What Is the Draft Final for Public Review FS/RAW?

The Draft Final for Public Review FS/RAW is a document outlining how contaminated soil will be removed from the site. It summarizes applicable studies and reports for the site, presents possible remedial alternatives, and presents the preferred remedial action for the site. Remedial alternatives were screened and evaluated on the basis of their effectiveness, implementability, and cost. The FS/RAW then identified the preferred remedy, which

DTSC recommends and believes is the most appropriate for the future use of the area.



Site Description

Building 461 served as the shipyard's battery shop until the mid-1980s. It was built in 1932 and was used for battery charging and scraping operations. Battery shop activities included manufacturing, disassembling, reassembling, draining, rinsing, recharging, cleaning, and removing plates from lead-, antimony-, and silver plated batteries. Chemicals spilled during the manufacturing process were released to floor drains and traveled through the wastewater pipes under the floor in the crawl space of Building 461. It is believed that chemicals leaked from the floor drains and wastewater pipes to surface soil within the crawl space.

What Was Found at Building 461?

Approximately 155 soil samples were collected for laboratory analysis to characterize the soil contamination within the Building 461 crawl space. This soil was evaluated using an X-ray fluorescence screening device, analytical data from a 2008 field investigation, and site-specific historical data.

DTSC
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What's inside:

- Mare Island Draft Draft Final for Public Review FS/RAW for Building 461
- Public Comment Announcement
- Community Outreach Information

30 DAY PUBLIC COMMENT PERIOD

A 30-day Public Comment Period has been established to review the Draft Final for Public Review Feasibility Study/Removal Action Work Plan for the Building 461 Area in IA C1 and the proposed California Environmental Quality Act Notice of Exemption. All public comments will be considered and responded to before making a final decision on this site. The Public Comment period is: **August 17, 2009** through **September 15, 2009**.

DTSC may hold a public meeting for this project if there is significant public interest or a meeting is requested. Please submit your request to Mr. Richard Perry at 700 Heinz Avenue, Berkeley, CA 94710-2721 or via email to rperry@dtsc.ca.gov. If a meeting is held, a notice will be posted in local papers and at the JFK Library in Vallejo.

The complete Draft Final for Public Review FS/RAW and other related project documents are available at the local information repositories listed on this fact sheet. Please send comments, postmarked by **September 15, 2009** to Mr. Henry Chui, 700 Heinz Avenue, Berkeley, CA 94710-2721 or email comments directly to Mr. Chui: hchui@dtsc.ca.gov.

Although several contaminants were detected in soil beneath Building 461, lead is the only contaminant requiring a cleanup action. The collected data show that lead is present in soil and surface deposits of battery-acid precipitate beneath Building 461 at concentrations that exceed the cleanup goal for the planned industrial future land use for this area. Accordingly, cleanup alternatives were developed and evaluated to determine the most effective method to reduce the potential risks associated with exposure to lead in surface soil within the Building 461 crawl space.

Accordingly, cleanup alternatives were developed and evaluated to determine the most effective method to reduce the potential risks associated with exposure to lead in surface soil within the Building 461 crawl space.

Cleanup Alternatives Considered

The Draft Final for Public Review FS/RAW presents the cleanup alternatives considered to address the presence of lead in soil and battery acid precipitate on top of the lead-contaminated soil, presents a detailed analysis of each alternative, and recommends the preferred alternative. The detailed analysis of each alternative provides sufficient information to compare alternatives, recommend an appropriate cleanup action for the site, and demonstrate to the satisfaction of DTSC and other concerned parties that the recommended cleanup action is protective of human health and the environment. The alternatives evaluated for Building 461 are:

Alternative S1 – No Action. This alternative would entail no remedial action in the Building 461 crawl space. This alternative provides a baseline for comparing other alternatives. The no action alternative assumes that there is no fence and that no land use covenant would be implemented.

Alternative S2 – Institutional Controls. This alternative would use an IA-wide land use covenant (LUC) to limit exposure pathways between human and ecological receptors and lead-contaminated



Building 461. Arrow points to location of crawl space.

soil in the Building 461 crawl space. A groundwater monitoring program would be implemented in the Building 461 Area as part of this alternative.

Alternative S3 – Encapsulation Using Existing Structures. This alternative would use encapsulation to eliminate the primary human exposure pathway to lead-contaminated soil. Modifications to the Building 461 foundation would be constructed to prohibit access to the crawl space. The Building 461 Area would be subject to the IA C1-wide LUC that would prohibit sensitive uses of the site, and a site-specific LUC would be established to prohibit disturbance of the cap without the prior notification of DTSC. A groundwater monitoring program would be implemented in the Building 461 Area as part of this alternative.

Alternative S4 – Excavation and Offsite Disposal. This alternative would use excavation to remove lead-contaminated soil and precipitate from the Building 461 crawl space. Excavated soil and precipitate would be transported to an offsite facility for disposal. The Building 461 Area would be subject to the IA C1-wide LUC that would prohibit sensitive uses of the site.



Looking inside crawl space area at location shown to left.

Recommended Alternative

The alternatives were evaluated based on effectiveness, implementability, and cost. The Draft Final for Public Review FS/RAW recommends Alternative S4 because it is implementable, offers the greatest long-term effectiveness, and is the only alternative that would reduce toxicity, mobility, or volume of lead contaminated soil in the Building 461 crawl space.

Alternative S4 involves excavation, offsite disposal, and institutional controls. The main components of the recommended cleanup action include:

- Soil removal by excavation;
- Collection and analysis of confirmation samples from the excavation;
- Soil management and waste characterization;
- Transportation and offsite disposal; and
- Documentation of land use control measures.

Future Activities

Before DTSC makes a final decision to approve, modify, or deny the Draft Final for Public Review FS/RAW, the document is made available for public comment during a 30-day public comment period. All comments received from the public during the comment period will be reviewed and responded to before the Draft Final for Public Review FS/RAW is finalized and approved by DTSC.

Once the Final FS/RAW is prepared and approved, the remedial action will begin, which is anticipated to start in Winter 2009. After the remedial action is complete, DTSC will approve that all the cleanup activities have been properly implemented. The IA C1-wide LUC, which will prohibit sensitive uses of the site, will apply to the Building 461 Area.

California Environmental Quality Act

In compliance with the California Environmental Quality Act (CEQA), DTSC has prepared a Notice of Exemption for the proposed actions in the Building 461 Site Area. DTSC concluded that the project will not have a significant impact on the environment and intends to issue a CEQA Notice of Exemption. The Notice of Exemption is part of the administrative record for this project and a copy will be placed in the information repositories listed in this fact sheet.