

Laws, Regulations &

Pollution Prev

Managing Hazardous Waste

Preventing environmental damage from hazardous waste, and restoring contaminated sites for all Californians.

Public Involvement

Cleanup

Science & Tech



State of California Department of Toxic Substances Control



Public Involvement

FACT SHEET, December 2005

The Draft Removal Action Workplan For The Mantegani Property Is Available For Your Review

A 0.81-acre parcel of land, known as the Mantegani Property, is proposed for pesticide cleanup. The property is located at 735 Commercial Avenue, South San Francisco, California 94080. (See site map on page two.) The property is zoned for residential development. Soil containing pesticides (DDT and dieldrin) were found on the property during a site investigation at levels above acceptable standards. The Department of Toxic Substances Control (DTSC) is overseeing the proposed removal activities under a Voluntary Cleanup Agreement (VCA).

The Mantegani Property Draft Removal Action Workplan (Draft RAW) describes in detail the investigation and proposed recommendations to remove the pesticide contamination. We encourage you to review and comment on the proposed plan. The Draft RAW is available for your review at the Information Repositories listed on page 4. If you have questions about this site, please contact Xavier Bryant, DTSC Project Manager, at (510) 540-3835 or by e-mail xbryant@dtsc.ca.gov.

This fact sheet will provide you:

- History and background of the site
- Findings of the investigation
- Summary of the Draft RAW
- Proposed remedial alternatives
- California Environmental Quality Act - Notice of Exemption
- Next Steps

Public Comment Period

We encourage you to review and comment on the Draft RAW. DTSC will hold a 30-day public comment period beginning December 30, 2005 and ending January 30, 2006. All e-mailed comments must be sent to the Department no later than 5 p.m. on January 30, 2006. Mail written comments to:

Mr. Xavier Bryant
DTSC, Project Manager
700 Heinz Avenue
Berkeley, California 94710
or e-mail Xbryant@dtsc.ca.gov



History and background of the site

The Mantegani Property was used for a nursery specializing in growing ornamental flowers such as snapdragons and carnations. The nursery operated from 1931 to 1987. The nursery closed in 1987 and the associated greenhouses were demolished. The property has never been redeveloped and is currently vacant. The property is surrounded by both single and multi-family residential homes.

Findings of the investigation

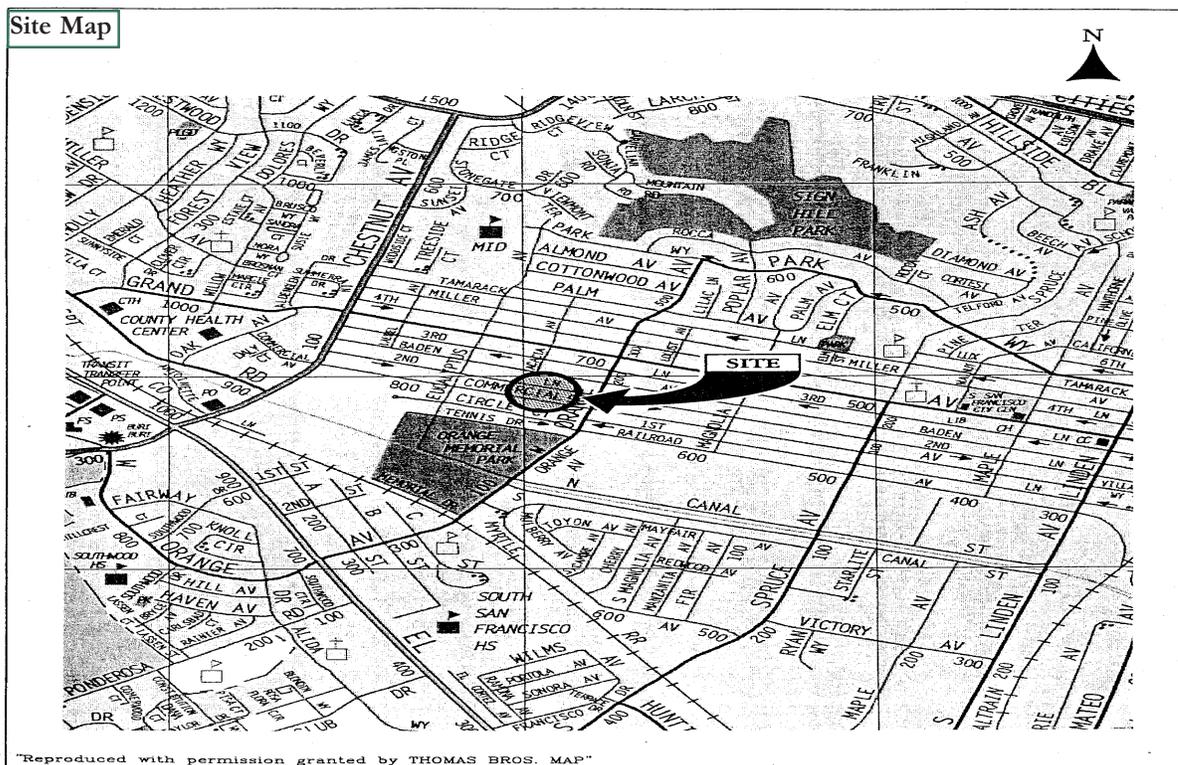
Environmental investigations were conducted to determine if residual pesticide concentrations exceed residential screening levels and if so identify the extent of contamination at the site. The investigation discovered that DDT and dieldrin soil concentrations are elevated within the top two feet across the property. The highest DDT concentration detected was 7.6 parts per million (ppm) and 0.97 ppm for dieldrin. The cleanup goal established for DDT is 1.39 ppm and 0.025 ppm for dieldrin. Details describing the risk calculations can be found in the Draft RAW.

In the United States, the use of DDT was banned in 1972 and dieldrin was banned in 1974. People can get exposed to DDT and dieldrin by eating food like fish or shellfish from lakes and streams contaminated with the chemicals, eating root crops grown in contaminated soil, or eating dairy and meat products from animals fed contaminated feed.

Summary of the Draft RAW

The primary objective of the cleanup is to prevent or reduce potential risks to public health and the environment. The Draft RAW summarizes previous studies, outlines cleanup activities and proposes removal options. Cleanup alternatives are evaluated on the basis of their effectiveness, ability to implement and cost.

DTSC places the Draft RAW in the information repositories for review during the 30-day public comment period. DTSC will review and consider comments received during the 30-day public comment period before making a final decision to approve, modify or deny the proposed remediation action.



VICINITY MAP
735 COMMERCIAL AVENUE
South San Francisco, California

Proposed remediation alternatives

Three alternatives were evaluated for the Mantegani Property to clean up the pesticide contaminated soil.

- The first alternative was to take no action. This alternative will leave the contamination in place and restrict future use of the property to commercial use only.
- The second alternative was to remove 2,200 cubic yards of the contaminated soil. If this alternative is chosen, the soil is excavated and transported to an approved landfill for disposal.
- The third alternative proposes bio-remediation with Gene Expression Factor (GEF). GEF is a soil amendment which helps repair the existing bacteria in the soil and allows them to metabolize the pesticides into salt, carbon dioxide and water.

DTSC's recommendation

DTSC believes that the bio-remediation with GEF alternative is the preferred cleanup method. Through the addition of additives and fertilizers, the population of soil bacteria will grow and consume the residual pesticides as a source of food. When the remediation of the soil is complete, the bacterial populations will return normal pretreatment levels. At no time during the process, do the bacteria represent a potential risk to the environment, people or animals that may cross, travel by or live near the site. As a natural biological process, bioremediation is considered a safe, low impact and effective method of removing pollutants from the environment.

Proposed activities

At the Mantegani Property, if the Bio-remediation process is selected, the following are the proposed activities.

- The entire site will be fenced so that that unauthorized personnel cannot enter the work area.
- The top two feet of soil on the entire Site will be mixed and blended with the appropriate amounts of fertilizer, lime, protein compounds and organic



Example of a Ripper for ripping and mixing of soil

material (cow manure). The soil will be ripped and mixed to assure uniform blending. The soil will be mixed at least twice a month.

- Irrigation lines will be set-up over the entire property and soil will be irrigated weekly to maintain the appropriate moisture level. Weekly irrigation allows the native bacteria colonies to bloom and metabolize the chlorine within the pesticides, thus breaking them down into non-toxic substances.
- Trained personnel will monitor the efficiency of bio-remediation process over the entire site.
- Airborne dust monitoring will be conducted at the site. Dust control measures during ripping and handling of contaminated soil will consist of spraying water onto the soil and work area. The dust-monitoring will consist primarily of direct-reading instrumentation in the work area throughout the daytime work schedule.

California Environmental Quality Act - Notice of Exemption

As part of the Draft RAW process, DTSC has prepared a Draft Notice of Exemption (NOE) for this project as required by the California Environmental Quality Act. The Draft NOE states that the project will not have a potential for significant effects on the environment or human health because of controls in place during the cleanup of the contaminated soil.

Next steps

After the close of the public comment period, DTSC will prepare a Response to Comments document. This document includes all of the comments we received about the Draft RAW and the proposed cleanup activities during the 30-day public comment period. It will also provide DTSC's response to those comments. A copy of the Response to Comments will be placed in the Information Repository. Anyone who submits comments regarding the Draft RAW will receive a copy of DTSC's Response to Comments.

For more information

Please contact any of the following individuals with any questions or concerns you may have.

For questions regarding the Draft RAW or the NOE, please contact Xavier Bryant, DTSC Project Manager, at (510) 540-3835.

For questions regarding the public participation process, contact Kim Rhodes, DTSC Public Participation Specialist, at (916) 255-3651.

For media questions, please contact Angela Blanchette, DTSC Public Information Officer, at (510) 540-3732.

Information Repositories

The Draft RAW and related documents can be reviewed at:

South San Francisco Public Library

Main Branch
840 W Orange Avenue
South San Francisco, California 94080
(650) 829-3860

Department of Toxic Substances Control

700 Heinz Avenue
Berkeley, California 94710
File Room:
Monday-Friday: 8:00 a.m. to 5:00 p.m.
By appointment only (510) 540-3800

Notice to the hearing impaired

TDD users can use the California Relay Service at 1-888-877-5378 and ask to speak with Kim Rhodes at (916) 255-3651.

Anuncio

Si prefiere hablar con alguien en español acerca de esta información, favor de llamar a Jesus Cruz, Especialista en Participación Pública del Departamento de Control de Sustancias Tóxicas. El número de teléfono es (916) 255-3315.