

Fact Sheet  
May 2002

# Mangels Ranch

## 287 Suisun Valley Road

### Removal Action Workplan



## State Announces the Availability of Removal Action Workplan

*DTSC is one of six Boards and Departments within the California Environmental Protection Agency. The Department's mission is to restore, protect and enhance the environment, to ensure public health, environmental quality and economic vitality, by regulating hazardous waste, conducting and overseeing cleanups, and developing and promoting pollution prevention.*

State of California



California  
Environmental  
Protection Agency



### INTRODUCTION

The California Environmental Protection Agency, **Department of Toxic Substance Control** (DTSC) has prepared this fact sheet to inform the community about the proposed soil cleanup on a portion of the Mangels Ranch (Site). The Site is located at 287 Suisun Valley Road, Suisun City/Fairfield, Solano County, California. DTSC is the lead agency overseeing the investigation and cleanup at the site.

DTSC is currently accepting comments on the draft RAW and proposed NOE. (See public comment box.)

This fact sheet describes the **Draft Removal Action Workplan (RAW)** and the **proposed Notice of Exemption (NOE)** prepared pursuant to the **California Environmental Quality Act. (CEQA)**. The Draft RAW recommends that contaminated soils above the cleanup levels be excavated and disposed offsite at an approved disposal facility. Copies of the draft RAW and other site related documents are available in the Information Repositories (See last page).

**Terms in bold are defined in the glossary.**

### PUBLIC COMMENT PERIOD

DTSC invites the public to review and comment on the draft Removal Action Workplan and proposed Notice of Exemption for the Mangels Ranch during a formal 30-day public comment period being held from:

**May 15 to June 14, 2002**

Mail written comments no later than June 14, 2002 to:  
Sarah Stenehjem,  
Project Manager, DTSC  
700 Heinz Avenue, Suite 200,  
Berkeley, California 94710-2710  
(510) 540-3828  
E-Mail: [sstenehj@dtsc.ca.gov](mailto:sstenehj@dtsc.ca.gov).

All comments received will be considered and responded to prior to finalization of the draft RAW. A responsiveness summary will be prepared.

You may also contact  
Rachelle Maricq, Public  
Participation Specialist,  
(510) 540-3910  
E-Mail: [rmaricq@dtsc.ca.gov](mailto:rmaricq@dtsc.ca.gov)

## SITE HISTORY AND DESCRIPTION

The Site is a 5.41-acre portion of the former Mangels Ranch, located at 287 Suisun Valley Road, Suisun City/Fairfield, California (See Figure 1). Soil samples were collected at the site in June 1998 and again in February 2001. The results revealed significant concentrations of toxaphene in the former cattle handling area located near the center of the property.

The main chemical of concern identified is **toxaphene**. Investigations in the area revealed toxaphene concentrations up to **13 parts per million (ppm)**. Toxaphene is an insecticide used to control insect pests on crops and livestock. The U.S. Environmental Protection Agency banned toxaphene for most uses in 1982.

## REMEDIAL GOALS

In order to evaluate the risk to human health and the environment and to determine the appropriate soil cleanup levels, DTSC used modeling equations to calculate the acceptable concentrations of toxaphene in soil. Based on the results of the calculations, a residential cleanup level of 360 parts-per-billion of toxaphene in soil is recommended for unrestricted use of the Site.

Therefore soil removal is necessary. Achievement of this cleanup goal is expected to reduce soil concentrations to a level that is protective of public health and the environment.

## ALTERNATIVES CONSIDERED

The Draft RAW includes an evaluation of the two alternatives described below:

**Alternative 1 - No Action.** Under this alternative, no remedial actions would be conducted at the Mangels Ranch site. This alternative is a baseline against which other alternatives are evaluated. Future property use would be restricted.

**Alternative 2 - Soil Excavation with off-site disposal:** Under this alternative, contaminated soils above the cleanup goals would be excavated and disposed of at an approved landfill. Future land use would be unrestricted.

The alternatives were evaluated based on effectiveness, ease of implementation, and cost.

Alternative 2 is the most efficient, cost-effective, and implementable alternative. Therefore, Alternative 2 is the recommended alternative.

## REMOVAL ACTION

The proposed removal action consists of excavating contaminated soils with toxaphene concentrations above established cleanup goals. The excavated soil would be sampled and either loaded into trucks and removed from the site or covered and stockpiled temporarily on site. The activities would involve the use of heavy equipment that would be operated by licensed California contractors.

Excavation would occur in three areas (Figure 1). Area 1 is approximately 54 x 85 feet and would be excavated to a depth of 2.5 feet below ground surface (bgs). Area 2 is 185 x



Figure 1: Site Vicinity Map

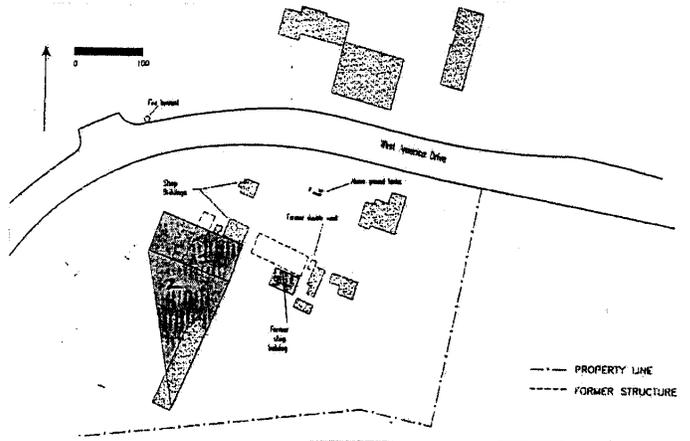


Figure 2 : Proposed Excavation Footprints

# GLOSSARY OF TERMS

## **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

A law mandating environmental impact review of governmental actions in California. The Act applies generally to all activities undertaken by state and local agencies, and to private activities financed, regulated, or approved by state and local agencies.

## **CUBIC YARD**

A term of measurement. Fifteen cubic yards equals approximately one dump truck load.

## **DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)**

A department within the California Environmental Protection Agency charged with the responsibility for overseeing the investigation and clean up of hazardous waste sites. DTSC was formerly the California Department of Health Services, Toxic Substances Control.

## **NOTICE OF EXEMPTION (NOE):**

A document prepared in compliance with the California Environmental Quality Act. An NOE is filed when the lead regulatory agency decides that the project falls under the “general rule” exemption. This exemption is applied to activities where it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment.

## **PARTS PER MILLION (ppm)**

A unit of measure commonly used to describe levels or concentrations of chemicals in soil and groundwater. A concentration of 1 ppm is equal to 1 part chemical in 1 million parts of water or soil.

## **REMOVAL ACTION WORKPLAN (RAW):**

A workplan prepared or approved by DTSC that is developed to carry out a removal action, in an effective manner, which is protective of public health and safety and the environment. The removal action workplan includes a plan for conducting the removal action, a description of the onsite contamination, the goals to be achieved by the removal action, and any alternative removal options that were considered and rejected and the basis for that rejection.

## **TOXAPHENE**

A organochlorine-class insecticide that was used to control pests on agriculture and livestock. The U.S. Environmental Protection Agency banned toxaphene for most uses in 1982; all uses were banned in 1990. Exposure to high levels of toxaphene could damage the lungs, nervous system, and kidneys. The Department of Health and Human Services (DHHS) has determined that toxaphene may be a human carcinogen.



**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
 COMMUNITY SURVEY  
 Mangels Ranch  
 287 Suisun Valley Road  
 Suisun City, CA 94585  
 May 2002**



The Department of Toxic Substances Control (DTSC) is involved in the investigation of hazardous substance contamination and site cleanup activities at the Mangels Ranch, located at 287 Suisun Valley Road, Suisun City/Fairfield, Solano County (See Figure 1). As part of the ongoing site investigation, DTSC is undertaking a review of public outreach activities. Please forward your comments at your earliest convenience by mailing to the address provided on the reverse side.

1. What is your current level of interest or concern regarding this Site?  
 \_\_\_ No interest      \_\_\_ Low      \_\_\_ Moderate      \_\_\_ High      \_\_\_ Very High
2. What is the best way to provide you with information? \_\_\_ Fact sheets    \_\_\_ Public Meetings    \_\_\_ Other  
 (please specify): \_\_\_\_\_

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3. Do fact sheets and public notices need translation into other languages? (please specify what language(s)). (¿Considera usted que el material informativo y los avisos al público necesitan ser traducidos a otros idiomas? (sírvase especificar): \_\_\_\_\_
4. Can you suggest any interested officials, groups, organizations, or individuals that DTSC should contact regarding this Site? \_\_\_\_\_

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5. If you are interested in being considered for a follow-up interview. please check \_\_\_ Yes \_\_\_ No
6. If you wish to receive additional information regarding this project, please complete the contact information below and mail back to the address provided on the reverse side. For further information contact Rachelle Maricq at 510-540-3910 or rmaricq@dtsc.ca.gov

**BY COMPLETING THIS SURVEY, DTSC WILL ENSURE THAT YOU ARE ADDED TO THE DTSC MAILING LIST**

Name: \_\_\_\_\_ Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Please note: While mailing lists are solely for DTSC use, they are considered a public record and may be subject to release upon request.**

California Environmental Protection Agency  
Department of Toxic Substances Control  
700 Heinz Ave  
Berkeley, CA 94710

Place  
Stamp  
Here

California Environmental Protection Agency  
Department of Toxic Substances Control  
External Affairs – Public Participation  
700 Heinz Ave, Suite 200  
Berkeley, CA 94710

**Attn: Rachelle Maricq**

**Thank you for completing this very important survey!**

*This survey is self-addressed. Please fold, seal with tape, stamp, and mail at your earliest convenience.*

**“The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at [www.dtsc.ca.gov](http://www.dtsc.ca.gov).”**

108 feet and would be excavated to a depth of 1.5 feet bgs. Area 3 is 50 x 25 feet and would be excavated to 1 foot bgs. Verification samples would be taken at the bottom and sides of the excavation to confirm that the cleanup goal for the contaminant has been met.

If approved, excavation and loading of soil would be conducted in less than a week. It is estimated that **1,800 cubic yards** (approximately 100 truckloads) of contaminated soil would be removed.

Following loading, the soil in the trucks would be covered before the trucks leave the site and transported soil to an approved disposal facility. The Site would then be restored to its original state. Dust control measures such as water spray would be implemented as necessary so that neither workers nor nearby persons are exposed to dust containing contaminants.

All work would be performed in accordance with a site-specific health and safety plan that complies with both state and federal regulations designed to protect the health and safety of onsite workers and the public.

## **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

DTSC has determined that the proposed cleanup plan is exempt from CEQA, and would have no negative impact on the environment, due to the small volume of soil, the limited area, and the short duration of the removal. Therefore, a proposed Notice of Exemption has been prepared.

## **SENSITIVE RECEPTORS NEAR THE SITE**

DTSC considers schools, daycare centers, hospitals, clinics, senior centers, teen centers, and places of worship to be sensitive receptors. The closest residence and school and childcare facility are approximately 0.25 mile from the Site. The closest place of worship is 0.25 mile from the Site. The closest hospital is 4.5 miles from the Site.

DTSC does not believe that the proposed remedial action will impact any nearby sensitive receptors.

**Anuncio--Si prefiere hablar con alguien en español acerca de el Proyecto Mangels Ranch, favor de llamar a Jacinto Soto, Departamento de Control de Sustancias Tóxicas. El número de teléfono es (510) 540-3842.**

**FOR MORE INFORMATION**

If you would like more information about the Site, please call Sarah Stenehjem, Project Manager, at (510) 540-3828 or Rachelle Maricq, Public Participation Specialist, at (510) 540-3910. For media questions, please contact Angela Blanchette at (510) 540-3732.

**INFORMATION REPOSITORIES**

The Draft Removal Action Workplan and proposed CEQA Notice of Exemption, which are part of the Administrative Record for the site are available for public review at the following locations:

**Solano County Community College  
Circulation Desk  
4000 Suisun Valley Road  
Suisun, California 94585  
(707) 864-7000**

**Department of Toxic Substances Control  
File Room  
700 Heinz A venue, Suite 200  
Berkeley, California 94710-2710  
(510) 540-3800 (*Call for Appointment*)**

**The full administrative record is located in the DTSC file room location.**

**Notice to Hearing Impaired Individuals**

TDD users can obtain additional information about the Site by using the California State Relay Service (1-888-877-5378) to reach Rachelle Maricq at (510) 540-3910.

Rachelle Maricq  
Department of Toxic Substances Control  
700 Heinz Avenue, Suite 200  
Berkeley, California 94710-2710