



Department of  
Toxic Substances  
Control

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



State of California



California  
Environmental  
Protection Agency

Fact Sheet, March 2007

## Cleanup Plan for Proposed Chino Early Education Center School Site Available for Review

We invite you to review and comment on a Draft Removal Action Work Plan (Plan) submitted by the San Bernardino County Superintendent of Schools (District) to remove lead and arsenic contaminated soil from the proposed Chino Early Education Center School Site, located at 4562 and 4578 Philadelphia Street, Chino, California 91710 (Site). Please see map at the back of this Fact Sheet to clarify location.

The Department of Toxic Substance Control (DTSC), a department within the California Environmental Protection Agency, is responsible for overseeing the site environmental investigation and ensuring that mitigation and cleanup activities are conducted in accordance with state and federal laws and regulations.

### This Fact Sheet provides brief summary of:

- Why Cleanup Is Necessary
- Site History
- Site Investigation and Results
- Source of Contamination
- Proposed Cleanup Options
- Safety & Dust Control during Cleanup
- CEQA and the Notice of Exemption
- What Happens Next
- Information on Where to Find the Documents

### Why Cleanup is Necessary

There is **no** immediate health risk since access to the Site is restricted and the public is not exposed to the contaminated soil. However, since exposure to elevated levels of lead and arsenic contamination could cause adverse health effects, DTSC recommended that the District prepare a cleanup plan to remove and dispose the contaminated soil to protect the future occupants, students and staff who will attend the new school. DTSC will oversee the removal action and ensure that it is performed in a manner that does not harm people or the environment.

### PUBLIC COMMENT PERIOD

**MARCH 12, 2007 TO APRIL 11, 2007**

The Draft Plan for this school site and other related project documents are available for review and public comment at the locations listed on page 3. Please submit your written comments in the enclosed postage paid envelope postmarked by April 11, 2007 to: Amit Pathak, DTSC Project Manager, 5796 Corporate Avenue, Cypress, CA 90630 or email: [apathak@dtsc.ca.gov](mailto:apathak@dtsc.ca.gov).

### OPEN HOUSE: MARCH 29, 2007, 6:30 P.M. TO 8:30 P.M.

You are invited to attend an **open house** on March 29, 2007 from 6:30 p.m. to 8:30 p.m. at the E.J. Marshall Elementary School Multi-Purpose Room, 12045 Telephone Avenue, Chino, CA. You may attend the open house at any time during the two hour period, where you have the opportunity to discuss the project on one-on-one basis and get your questions answered. *Spanish translation will be provided.*

*Para información en español por favor comuníquese con: Sra. Leticia Hernández al (714) 484-5488*



## Site History

The Site is comprised of approximately 4.4 acres that is currently developed with two residential properties located at 4562 and 4578 Philadelphia Street in the City of Chino, California. The southern portion of the Site is developed with two residential structures, a swimming pool, a horse stable, and a storage building. The northern portion of the Site is undeveloped land that was previously used as an English Black Walnut grove and horse pasture.

## Site Investigation and Results

In compliance with State laws for proposed new school sites, the District conducted environmental investigations to determine if use of pesticides during former agricultural activities may have contaminated the Site. Additionally, because the structures on-site were built before 1978, the Site was evaluated for potential lead-based paint contamination to soil surrounding the structures.

Elevated concentrations of **lead** above the DTSC established clean up criteria of 255 mg/kg were detected in limited areas around the residence located at 4578 Philadelphia Street. A maximum concentration of 1,500 mg/kg was reported in a surface sample collected near the northwest corner of the residence.

Concentrations of **arsenic** greater than the 10 mg/kg action level established by DTSC were detected to the south and northeast of the residence located at 4562 Philadelphia Street. A maximum arsenic concentration of 43.5 mg/kg was detected in a surface soil sample collected between the driveway and the residence.

Out of the several contaminants analyzed, only lead and arsenic were found at a level to pose a potential unacceptable human health risk to future Site occupants living there full-time.

Results of soil samples analyzed from the Site did not show elevated levels of the other contaminants of concern.

## Source of Detected Lead and Arsenic

The source of lead is the lead-based paint formerly used on the exteriors of the Site buildings. Based on interviews with the Site owner, the areas with

elevated arsenic are believed to be from use of a pesticide on an area previously used to grow potatoes.

As a result of the findings of the environmental investigations, DTSC recommended that a plan be developed to clean up the contaminated soil prior to site development.

## Proposed Cleanup Options

Removal action alternatives considered for this Site are as follows:

- Alternative 1 - No Action
- Alternative 2 - Onsite Treatment
- Alternative 3 - Containment Technology
- Alternative 4 - Soil Excavation & Off-Site Disposal

The recommended remedy based on the removal action screening process is Alternative 4, Soil Excavation & Off-Site Disposal. This remedy is proposed because it is protective of human health and the environment; in compliance with applicable or relevant and appropriate requirements; feasible, permanent and has a reasonable cost.

If alternative 4 is selected, the contaminated soil will be removed using a backhoe, bulldozer, tracked excavator, shovels or other types of earth moving equipment, as necessary. The soil will be either temporarily stockpiled or loaded directly onto trucks and taken off-site. It is not expected that the soil will be stockpiled on site for a long duration.

Approximately 333 cubic yards (approximately 450 tons) of arsenic-contaminated soil and approximately 33 cubic yards (approximately 45 tons) of lead-contaminated soil would be excavated and transported off-site for disposal at a state licensed and approved Disposal and/or Treatment Facility. Soil will be excavated to approximately 1.5 feet below ground surface. Work will occur over approximately 15 days. This includes soil removal, transportation, and confirmation soil sampling and analysis and backfilling excavated areas with the clean soil.

It will take approximately 24 truckloads to transport the contaminated soil from the site. Trucks will travel on Philadelphia Street, west approximately 0.1 mile to Ramona Avenue, then south to the Pomona Freeway (State Route 60), then on to the Disposal Facility.

## Safety & Dust Control During Cleanup

The draft Plan includes a Health and safety Plan with engineering control and monitoring measures to minimize potential exposures and risks to workers and the public during the proposed remediation activities. Details of the Removal Action Alternatives are listed in Section 4 of the draft Plan.

In order to control any possible dust exposures, the District plans on performing the cleanup activities from 7:00 a.m. to 5:00 p.m. In addition, the District will be monitoring the air at the worksite perimeter during the cleanup and controlling the dust. Other actions the District will take to ensure safety of the public and to minimize dust include:

- Temporary fence with windscreens will be installed for security and dust control.
- All vehicles will maintain slow speeds while on the property
- The work areas will be lightly sprayed or misted with clean water to prevent dust
- The tires will be cleaned and the trucks will be secured with covers as they leave the site
- The air will be monitored at the site to ensure the amount of dust stays at safe levels.

## Notice of Exemption (NOE)

DTSC has prepared a draft Notice of Exemption (NOE) for this project as required by the California Environmental Quality Act (CEQA). The NOE document states that the project will not have a negative effect on the environment because of the relatively small amount of contaminated soil, short project duration, and the controlled manner in which the contaminated soils will be removed, loaded onto trucks and transported off-site for disposal.

## What Happens Next?

At the end of the Public Comment Period, DTSC will review, consider any public comments and make any necessary revisions to the draft Plan prior to final approval. Also, a Response to Comments Document will be mailed to any who makes a comment and provides their name and address.

When the Plan is approved, cleanup will be conducted as described in the Plan. After the cleanup is completed, the District will conduct soil testing to confirm cleanup goals have been achieved and

submit a Removal Action Completion Report to the DTSC for review and approval. A copy of this report will be available at the locations listed below.

## Where to Find the Documents

The Draft Plan and other related documents for the proposed Chino Early Education Center are available for review at the following locations:

San Bernardino County – Chino Branch Library  
13180 Central Avenue  
Chino, CA 91710  
(909) 465-5280  
Monday–Thursday. 10 a.m.-8 p.m.  
Friday 10 a.m. - 6 p.m.  
Saturday 9 a.m.- 5 p.m.

DTSC Regional Records Room  
5796 Corporate Avenue  
Cypress, CA 90630  
(714) 484-5337 call Julie Johnson for appointment  
Monday–Friday 8 a.m.- 5 p.m.

## For More Information

If you have any questions about this Fact Sheet or the Draft Plan, please contact us at:

Amit Pathak  
DTSC Project Manager:  
(714) 484-5468 or [apathak@dtsc.ca.gov](mailto:apathak@dtsc.ca.gov)  
Maya Akula  
DTSC Public Participation Specialist  
(818) 551-2917 or [makula@dtsc.ca.gov](mailto:makula@dtsc.ca.gov)

## Media Inquiries:

Jeanne Garcia, DTSC Public Information Officer  
(818) 551-2176 or email: [jgarcia1@dtsc.ca.gov](mailto:jgarcia1@dtsc.ca.gov)

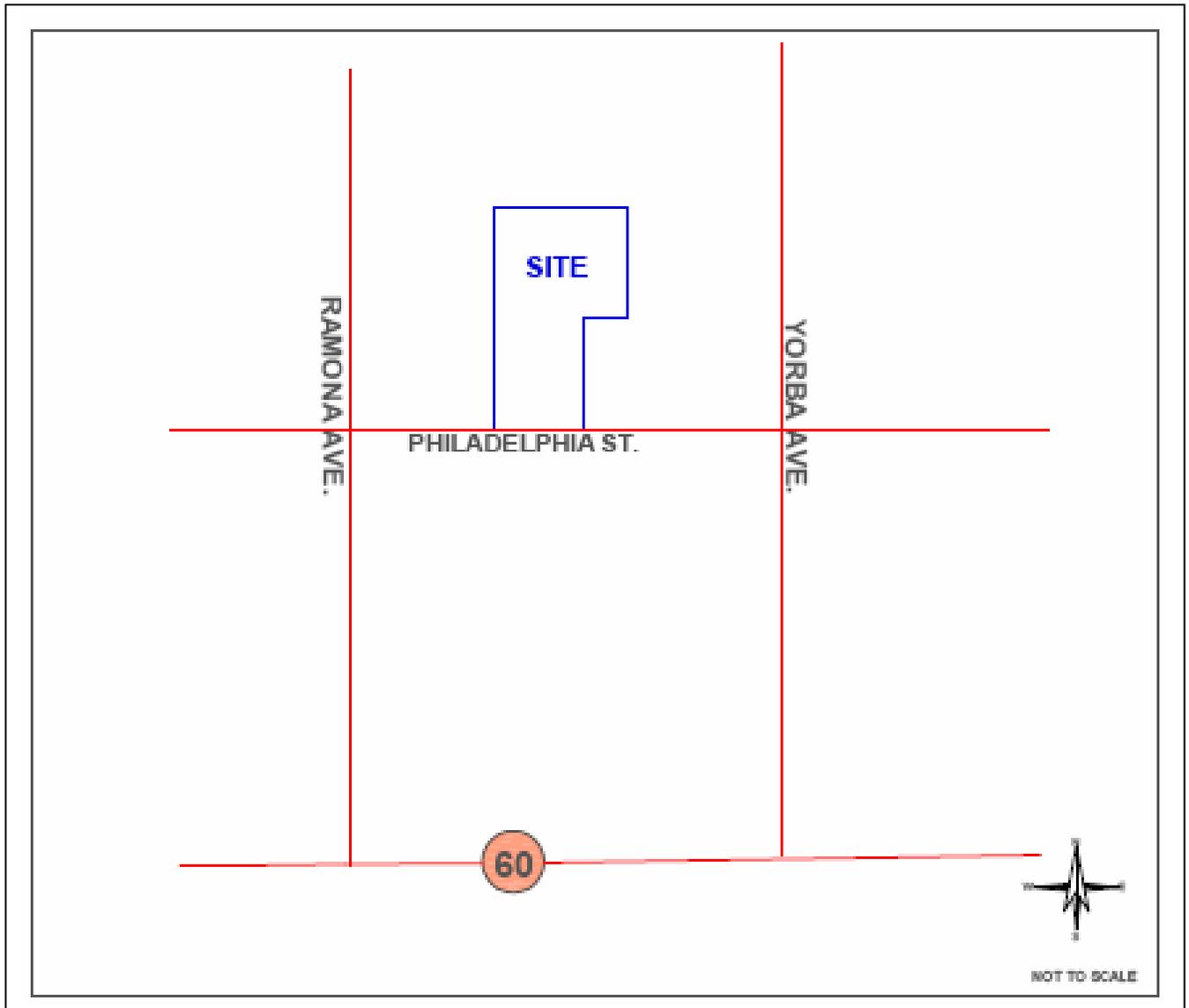
## Notice to Hearing-Impaired Individuals

You can obtain additional information by using the California State Relay Service at: 1 (888) 877-5378 (TDD). Ask them to contact Maya Akula at (818) 551-2917 regarding the Chino project.

## Meeting accessibility

For information on accessibility and to request reasonable accommodation, please call Ms. Maya Akula at (818) 551-2917 at least one week in advance of the Open House.

## Site Location



*For more information about DTSC, see our Web site at [www.dtsc.ca.gov](http://www.dtsc.ca.gov).*

