



Department of
Toxic Substances
Control

*The Mission of
the Department of
Toxic Substances
Control is to
provide the highest
level of safety, and
to protect public
health and the
environment from
toxic harm.*



State of California



California
Environmental
Protection Agency

Fact Sheet, January 2008

The Draft Removal Action Workplan For the Oak Ridge High School Site Is Available For Your Review

The El Dorado Union High School District (District) plans to expand the existing Oak Ridge High School, located at 1120 Harvard Road, El Dorado Hills, California 95762 (ORHS site). The expansion project site consists of six separate areas, totaling approximately 3.2 acres of the existing 49 acre high school campus (see site map on page 3). During previous site investigations, naturally occurring asbestos was found in the soils on the ORHS site. When naturally occurring asbestos is found on a proposed or expanding school site, the Department of Toxic Substances Control (DTSC) requires school districts to submit a workplan to identify activities that will be taken to minimize release of asbestos from school site soils.

DTSC is a part of the California Environmental Protection Agency. DTSC oversees soil and groundwater investigations at proposed new or expanding school sites, and evaluates property for potential hazardous materials or contamination that may pose a risk to students, staff or faculty. If contamination is found, DTSC oversees the cleanup of the property.

A draft Removal Action Workplan (RAW) has been prepared for the ORHS site. The draft RAW proposes actions to reduce the potential for exposure to naturally occurring asbestos soils. The draft RAW is available for your review on-line and at the information repositories listed on page 6.

PUBLIC COMMENT PERIOD

We encourage you to review and comment on the draft RAW for the Oak Ridge High School site. DTSC will hold a 30-day public comment period beginning **January 2, 2008 and ending on January 31, 2008**. DTSC will make a final decision on the draft RAW after all public comments have been reviewed and considered. Please submit written comments by January 31, 2008. E-mail comments must be received no later than 5:00 pm on January 31, 2008. Please submit written comments to:

Mr. Michael Hall, DTSC Project Manager
8800 Cal Center Drive, Sacramento, California 95826
or by e-mail to MHall@dtsc.ca.gov

PUBLIC MEETING

DTSC will hold a public meeting to discuss the draft RAW, to answer the community's questions, and to receive public comments. The public meeting will be held on:

Wednesday, January 16, 2008 at 7:00 pm
Oak Ridge High School Campus, Cafeteria
1120 Harvard Road, El Dorado Hills, California 95762

Prior to the public meeting, from 6:30 to 7:00 pm, community members will have an opportunity to review site documents and posters and to meet informally with the DTSC project team.

For questions regarding the public meeting or public participation, please contact Ms. Chao Thao, DTSC Public Participation Specialist, at (916) 255-3649, toll-free at (866) 495-5651, or by e-mail to CThao@dtsc.ca.gov.

Site History and Location

The ORHS site was undeveloped vacant land until the construction of the high school in 1981.

The ORHS site is bounded to the north by Harvard Way and residential housing; to the east by the Silva Valley Parkway and the Rolling Hills Middle School; to the south by the Serrano Community and the Silva Valley Elementary School; to the east by Tah Nee Way, residential housing, and the El Dorado Hills Boulevard.

The proposed expansion consist of six areas of the ORHS site: Area A, Area B, Area C, Area D North, Area D South, and Area E. The site map on page 3 shows the location of the areas and the planned improvements in each area.

Investigation Findings

DTSC became involved with the ORHS site in 2002 during construction of two soccer fields. The analysis of samples collected of white veins exposed in the cut-slope identified naturally occurring asbestos. Later analysis revealed the presence of two varieties of asbestos: tremolite and chrysotile asbestos.

Areas of the ORHS site were mitigated by the District in the summer of 2003. U.S. EPA collected additional samples and determined further mitigation measures were needed. In 2004, the U.S. EPA mitigation measures were completed and the ORHS site came under the oversight of DTSC for Operation and Maintenance of the mitigation measures.

In 2007, a supplemental site investigation was conducted for the ORHS site expansion project to evaluate the potential for contaminants other than naturally occurring asbestos. No other potential sources of contamination were identified in the six areas for the proposed expansion. Based on previous investigations and because the naturally occurring asbestos levels exceed the DTSC Schools Program levels, DTSC recommends mitigation actions are taken during the school expansion to cover or cap naturally occurring asbestos containing soils to reduce potential future exposures.



Picture of Area B

Naturally Occurring Asbestos

Naturally occurring asbestos includes a group of minerals commonly found in ultramafic and serpentine rock formations. Naturally occurring asbestos can also be found in rock near fault zones or in sediments derived from these rocks. Ultramafic rock is made up of 90 percent or more of dark colored iron-magnesium-silicate minerals. Serpentine commonly occurs in metamorphic areas throughout the state.

Naturally occurring asbestos can be released when the rock is broken or crushed. This may happen when cars drive over unpaved roads or driveways surfaced with these rocks, or when land is graded. Naturally occurring asbestos is also released naturally through weathering and erosion. Once released from rock, asbestos can become airborne. The primary pathway for human exposure to asbestos is through inhalation of dust particles containing asbestos. All forms of asbestos may cause serious health effects, including respiratory disease or cancer.

Draft Removal Action Workplan (RAW)

The primary objective of a draft RAW is to evaluate cleanup alternatives and to identify a preferred alternative that prevents or reduces potential risks to public health and the environment. A draft RAW summarizes previous studies and identifies the possible cleanup alternatives. Cleanup alternatives are screened and evaluated on the basis of their effectiveness, ability to implement, and cost. A draft RAW identifies the alternative DTSC recommends and believes is the most appropriate for the site.

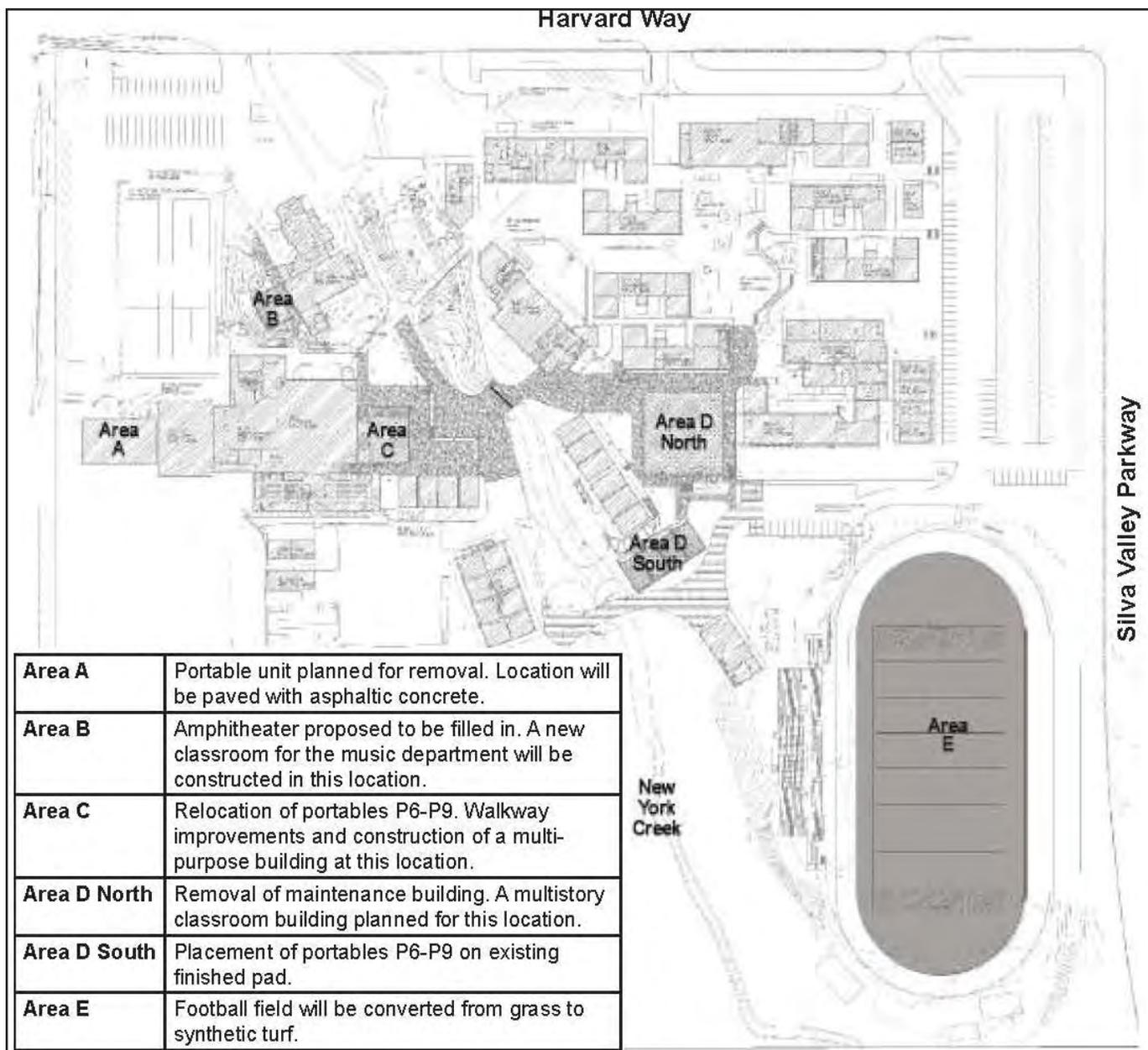
Before DTSC makes a final decision to approve, modify or deny a draft RAW, it is made available for public review and comment during a public comment period. All comments received during the public comment period are reviewed and considered before a final decision is made by DTSC.

Summary of Proposed Draft RAW

The mitigation plan proposed in the draft RAW for ORHS is to cover the soils containing naturally occurring asbestos and to reduce the possibility of airborne asbestos. The cover or cap will be comprised of a geotextile fabric covered by clean soil in all areas without a hardscape cover

(buildings, concrete, asphalt, etc.) or an artificial surface like the synthetic turf for the football field.

Approximately 500 cubic yards (about 25 truck and trailer loads) of imported clean soil will be brought to the ORHS site to be placed in landscaped areas and utility trenches. Landscaped areas and utility trenches will include placement of a geotextile fabric to act as a warning barrier directly above soils containing naturally occurring asbestos. This will alert all personnel who will later conduct subsurface maintenance or repairs to not disturb the soil below the warning barrier. The geotextile fabric will be covered by clean soil.





Example of Geotextile Fabric installation

Normal construction of building pads, sidewalks, and asphalt pads effectively act to cap soil containing naturally occurring asbestos. These construction activities are not part of the formal mitigation efforts presented in the draft RAW.

The following proposed mitigation activities are proposed during the ORHS site expansion:

- place geotextile fabric in playfields, utility trenches and landscape areas.
- cover the fabric with at least six inches of clean soil.
- place erosion control, such as shotcrete, over sloped areas.
- revise the current Operations and Maintenance Plan (O&M Plan) to control, manage, and report future potential disturbances of soils containing naturally occurring asbestos.

The District has a current O&M Plan to regulate naturally occurring asbestos disturbance on the ORHS site. The current O&M Plan, however, does not include the proposed expansion areas. If the draft RAW is approved, a revised O&M Plan will be prepared to include the expansion areas.

What will you see during the school expansion?

All naturally occurring asbestos mitigation activities that require movement and capping of soil are planned for the summer of 2008. Access to mitigation areas will be controlled using construction fencing. Students and

faculty will not be allowed within the mitigation areas after soil excavation commences until mitigation has been completed. If the draft RAW is approved, you may see the following activities associated with the mitigation activities:

- Personnel using heavy equipment, such as bulldozers and tractors, and wearing safety gear.
- Water trucks lightly spraying the soils to prevent dust from becoming airborne.
- Air and dust monitoring at site boundaries.
- Approximately 25 trucks delivering imported clean soil during a 2-month period.
- Placement of geotextile fabric as a warning barrier over naturally occurring asbestos soils and covering with clean soil.
- Placement of landscape and hardscape.

Safety and Dust Control Measures

The following actions will be implemented during the naturally occurring asbestos mitigation process to ensure public safety and to minimize dust:

- Installation of temporary fencing to restrict access to work areas.
- Spraying of work areas with water to control and minimize the generation of dust and asbestos into the air.
- Truck tires leaving the ORHS site will be cleaned to remove soil and debris.

Water trucks, similar to the one below, will be used to lightly spray work areas.



Example of a dust monitor. Dust monitors will be worn by workers and placed on stands approximately 5 feet high at designated locations around the ORHS site.



- Outside air monitoring will occur in the work areas and nearby (upwind and downwind of work areas) to ensure that the levels of airborne dust and asbestos do not exceed acceptable levels. Currently no indoor air monitoring is planned during the naturally occurring asbestos mitigation activities.
- Site work will stop or additional mitigation measures will be implemented if air monitors indicate elevated levels of airborne dust or asbestos as set forth in the draft RAW due to construction activities. In such event DTSC will be contacted and additional mitigation measures will be implemented as required. DTSC may order the cessation of work if construction related activities create levels of airborne dust or asbestos in excess of the standards in the draft RAW.
- Site work will stop if winds reach a minimum of 25 miles per hour.
- During the course of the summer, classrooms will be cleaned with a HEPA filter vacuum and wet wiping. After cleaning, classrooms will be closed and ventilation turned off until excavation work is complete.
- Signs will be posted around the ORHS site with contact information should the community notice dust or has safety concerns.

To report dust or safety concerns during the mitigation process, please contact the DTSC project manager, Mr. Michael Hall, at 916-255-6422 or at MHall@dtsc.ca.gov.

Truck Route

During a two month period, approximately 25 trucks will transport clean soil to the ORHS site. The trucks will travel Monday through Friday between the hours of 9 a.m. and 4 p.m.

Trucks entering the property will take the El Dorado Hills Boulevard, exit off Highway 50, travel two miles north on El Dorado Hills Boulevard, turn right on Harvard Way and travel 0.2 miles to the site. Trucks exiting the property will follow the same route in reverse.

California Environmental Quality Act - Notice of Exemption

DTSC has prepared a draft Notice of Exemption (NOE) for this project, as required by the California Environmental Quality Act. The draft NOE document states that the mitigation/removal action will not have the potential for significant negative impacts on the environment. The draft NOE is available for public review at the information repositories.

Next steps

During the next 30-days the public has an opportunity to review the proposed draft RAW and draft NOE. The public has an opportunity to comment on the draft RAW during the 30-day public comment period from January 2, 2008 to January 31, 2008. A public meeting will be held to discuss the draft RAW, to answer the community's questions, and to receive public comments. The public meeting will be held on Wednesday, January 16, 2008 at 7:00 pm at Oak Ridge High School, located at 1120 Harvard Road, El Dorado Hills, California 95762. From 6:30 to 7:00 pm, community members will have an opportunity to review site documents and posters and to meet informally with the DTSC project team.

DTSC will consider all comments received during the comment period before making a final decision on approving, modifying, or denying the draft RAW. Once a decision has been made, DTSC will prepare a Response to Comments document that explains how public comments were considered and how they were, or were not, incorporated into the final draft RAW for the site. All individuals who submitted comments or questions will be sent a copy of the Response to Comments document. A copy of the Response to Comments document will also be available at the information repositories.

Information Repositories

The draft RAW, draft NOE, and other site-related reports are available at the information repositories listed below:

El Dorado Hills Branch Library

7455 Silva Valley Parkway
El Dorado Hills, California 95762
(916) 358-3500

The full Administrative Record is located at:

DTSC File Room

8800 Cal Center Drive
Sacramento, California 95826
(916) 255-3758
(Please call for an appointment.)

Website Information

The draft RAW and draft NOE are available online at www.envirostor.dtsc.ca.gov/public/. Enter El Dorado Hills for the city and click “Get Report”. Find “Oak Ridge High School” and click on “Report”. This will take you to DTSC’s database, click on “Community Involvement” to find the draft RAW, draft NOE, and other documents related to the Oak Ridge High School site.

If you would like to learn more about the Department of Toxic Substances Control, you can visit us online at www.dtsc.ca.gov.

For More Information

For questions regarding the draft RAW, please contact:

Mr. Michael Hall
DTSC Schools Unit Project Manager
8800 Cal Center Drive
Sacramento, California 95826
(916) 255-6422
MHall@dtsc.ca.gov

For questions regarding the public participation process, please contact:

Ms. Chao Thao
DTSC Public Participation Specialist
8800 Cal Center Drive
Sacramento, California 95826
(916) 255-3649
Toll-free at (866) 495-5651
CThao@dtsc.ca.gov

Questions from the media please contact:

Ms. Sandra Friedman
DTSC Public Information Officer
5796 Corporate Avenue
Cypress, California 90630
(714) 484-5383
SFriedma@dtsc.ca.gov

Notice to the Hearing Impaired Individuals

TDD users can use the California Relay Service at (888) 877-5378, please ask to speak with Ms. Chao Thao at (916) 255-3649.

Anuncio

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

COMMENT FORM

If you have any comments concerning the draft Removal Action Workplan for the Oak Ridge High School site please fill out the information below and mail by January 31, 2008. Please include your name and address if you wish to receive a copy of the written Response to Comments. Also, please provide your name and address if you would like to be added to or removed from the Oak Ridge High School site mailing list.

Comments must be received by January 31, 2008. Send your comments to:

Mr. Michael Hall, DTSC Project Manager
8800 Cal Center Drive, Sacramento, California 95826
(916) 255-6422 or by e-mail to MHall@dtsc.ca.gov

ARE YOU ON DTSC's MAILING LIST?

- Please add me to Oak Ridge High School site mailing list.
- Please take me off the Oak Ridge High School site mailing list.

Note: While the mailing list is solely for DTSC to keep you informed of our activities, the list is considered a public record and, if requested, may be subject to release.

Please print name and address clearly.

Name: _____

Address: _____

City/State/Zip: _____

Phone (optional): _____ E-mail (optional): _____

Comments (*attach additional pages if needed*): _____

Note: Your comments will be considered a public record for this site and, if requested, may be subject to release.