



Linda S. Adams  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Maureen F. Gorsen, Director  
700 Heinz Avenue  
Berkeley, California 94710-2721



Arnold Schwarzenegger  
Governor

### **DTSC STATUS REPORT UPDATE**

South Richmond Shoreline Sites  
November 13, 2008  
(Final)

The purpose of this update is to inform the community of activities that have occurred since October 9, 2008 and activities that are expected to occur in the next 30 days at the South Richmond Shoreline Sites.

#### **Zeneca/Former Stauffer Chemical Site**

##### ***Activities Completed:***

- Maintenance activities were conducted in East Stege Marsh and Lot 3
- DTSC received comments to the 2008 Pore Water and Sediment Sampling report from the Community Advisory Group (CAG) on November 6, 2008. DTSC will be considering those comments and provide comments to the Site Responsible Parties.
- The Third Quarter Groundwater and Surface Water Monitoring Report was submitted to DTSC for review and comment. The report contains the results of groundwater sampling that is conducted to monitor groundwater conditions.
- DTSC reviewed the first implementation report for the Lot 1 PCB/VOC Area Removal Action Workplan. This report documents the soil excavation activities that occurred. DTSC is currently waiting to hear whether the CAG will be submitting comments.
- Quarterly groundwater sampling was conducted in early November 2008. The sampling is conducted on a quarterly basis to monitor groundwater conditions at the site.
- DTSC approved the revised Human Health Risk Assessment for Lots 1, 2 and 3. A fact sheet describing the risk assessment was mailed to the community.
- A workplan to collect soil gas samples on Lot 3 to support the Feasibility Study was submitted by the Responsible Parties. Soil gas is gaseous elements and compounds in the small spaces between particles of soil.
- DTSC received comments from the CAG to the Radiological Closure Report on November 4, 2008. DTSC will review and consider the comments.
- After reviewing the Responsible Parties' response to DTSC comments, DTSC approved the groundwater pilot study report for Lots 1 and 2. A pilot study was conducted to evaluate different methods to treat contaminated groundwater at

the site. This study reports on the effectiveness of the different treatment methods.

- The Responsible Parties submitted the annual temporary cap inspection report to DTSC. The report documents the condition of the temporary cap located on Lot 3.

***Activities Proposed for the Next 30-days:***

- On-going maintenance activities will be occurring in East Stege Marsh and at Lot and 3.
- DTSC will be reviewing and providing comments to the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Quarter Groundwater and Surface Water Monitoring Reports.
- The well installation report for the additional wells and piezometer on Lot 3 will be submitted by the Responsible Parties. The wells and piezometer were installed to assist in preparing the feasibility study.
- It is anticipated that the field work identified in the soil gas sampling workplan described above will be conducted at the end of November/early December 2008, weather conditions permitting and approval of the workplan.
- DTSC will be reviewing the temporary cap inspection report, and the soil gas sampling workplan.
- The soil gas sampling required by the Lot 1 PCB/VOC Area Removal Action Workplan will be conducted in early December 2008, weather permitting. The soil gas sampling was required to verify that the soil excavation was effective at meeting cleanup goals.
- The Scoping Assessment Workplan for the Ecological Risk Assessment for the former Chemical Evaporation Ponds (also known as the Freshwater Lagoons) will be submitted by the Responsible Parties.

**Harbor Front Site (businesses to the east of Zeneca Site)**

***Activities Completed:***

- DTSC's contract with Weiss Associates was reinstated. DTSC comments to the Site Investigation Report for the Pacific Hard Chrome site were sent to Weiss Associates.

**UC Richmond Field Station**

- The University of California will be submitting the revised Current Conditions Report to DTSC in late November 2008. The report describes current and historical uses of the property, a summary of previous site investigation and remediation activities, a conceptual site model, and identifies data gaps.

**Bio-Rad Laboratories**

DTSC met with Bio-Rad representatives to discuss DTSC's comments to the proposed treatability study workplans: in-situ groundwater technologies and soil vapor extraction. The studies will evaluate additional technologies to enhance the removal of contaminants from soil, soil gas and groundwater in conjunction with the existing groundwater extraction and treatment system. Bio-Rad will be providing responses to DTSC comments.

### **Marina Bay Area –**

**West Shores Area** – DTSC is waiting for the Developer and the City of Richmond to identify how they wish to address the remaining soils with contamination above unrestricted levels.

**Marina Bay Area T** - The weekly collection of free floating petroleum from groundwater wells continues. Only a small amount of liquid, approximately 2 ounces, were found and collected in October. Free floating petroleum will continue to be monitored. Collection will occur on a weekly basis if petroleum is found, and will continue until there is not enough contaminant present to collect.

DTSC approved the Operations and Management Plan for Area T. The plan outlines activities including quarterly sampling and removal of hydrocarbons found in wells, and the preparation of a yearly cap inspection report.

**Marina Bay Area FF-** DTSC met with the Marina Bay Community Association to answer their questions regarding the land use restriction for the contaminated soils containing lead that exist under the tennis courts. DTSC expects the document to be signed and recorded before the end of the year.

**Five Year Review** - Soil gas sampling for the 5-Year Review was previously conducted in August 2008 at three areas (Area V, Shimada Park and Peninsula Drive) and cap inspections were conducted at all seven areas. Based on the draft results of soil gas sampling, additional soil gas sampling is needed in Shimada Park and along Peninsula Drive. DTSC approved an Addendum to the 5-Year Review Workplan on November 12. A Work Notice was mailed on Monday, November 10, 2008. Work is expected to begin on November 17, 2008. This work is expected to take two days, but is weather dependent.

**Marina Bay Area V** – DTSC approved a plan to address maintenance problems identified during the annual inspection and the 5-Year Review. Workers using heavy equipment will bring clean soil to Area V to reduce the slope along the southern portion of the parcel. Workers will also remove all weeds from Area V,

regrade the entire surface of the cap and then seed it with native grasses and wildflowers. This work is expected to take approximately 4 weeks, but is weather dependent. No contaminated soils will be handled during this work. A Work Notice was mailed on Monday November 10, 2008. Work is expected to begin on November 17, 2008.

**Harbour Way South** – The remedial action Completion Report will be submitted by November 26, 2008.

**Liquid Gold, Stege Property Pistol Range, and Blair Landfill** – DTSC staff will be meeting with Union Pacific Railroad representatives to discuss next steps regarding activities for all three sites.