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## Department of Toxic Substances Control

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### **DTSC STATUS REPORT UPDATE**

South Richmond Shoreline Sites

March 13, 2008

(Final)

The purpose of this update is to inform the community of activities that have occurred since February 14, 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.
- DTSC is continuing its review of the report discussing the results of the Groundwater Pilot Study that was submitted. The groundwater pilot study was conducted to test and compare different methods to treat contaminated groundwater.
- The report describing the magnetic anomaly investigation at the southern end of South 49<sup>th</sup> Street and in the northwestern portion of the site was submitted by the Responsible Parties. A previous survey revealed that there were metal objects buried at the southern end of South 49<sup>th</sup> Street. A small area in the northwestern portion of the site was also investigated based on information provided by a former Stauffer Chemical employee.
- The report providing the radiological results of the groundwater sampling was submitted. Specific groundwater monitoring wells were sampled and analyzed for radionuclides.
- DTSC is reviewing the 2007 Fourth Quarter and Annual Groundwater Monitoring Report submitted by the Responsible Parties. The report contains the results of the groundwater monitoring that was conducted in November 2007 and evaluates the quarterly groundwater monitoring data collected in 2007.
- Sampling at the Southeast Parcel was completed. The sampling was required by DTSC to investigate the area.
- DTSC approved the Lots 1 and 2 Remedial Investigation Report (RI Report). The RI Report describes the findings and conclusions from the site investigations that were conducted on Lots 1 and 2. A fact sheet discussing the RI Report was mailed to the entire mailing list.

- Pore water sampling in the East Stege Marsh was conducted the week of March 10. The sampling was conducted at DTSC's request based on review of the pore water sampling report.
- A workplan to collect additional soil samples from the existing stockpiles on Lot 2 was submitted to DTSC. The additional sampling is needed to determine future use of the soil. A proposed plan to re-grade areas of Lot 2 will be submitted to DTSC for review and approval after the results of the soil sampling is evaluated. The re-grading is needed due to flooding that occurs on Lot 2 during the rainy season.

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

- On-going maintenance activities will be occurring in East Stege Marsh.
- The submittal of the Radiological Historical Site Assessment was delayed, but is now anticipated to be submitted to DTSC for review by the end of March 2008. The report submittal has been delayed in order to incorporate additional information/data that was recently collected at the site. The purpose of the assessment is to identify prior uses of radioactive materials and where these uses may have occurred.
- It is anticipated that the results of the site Gamma Survey will be submitted the week of March 17, 2008. The purpose of the gamma survey is to evaluate whether any surface or shallow anomalies that could be associated with radionuclides exist at the site.
- DTSC is continuing to review the public comments received for the Lot 1 PCB/VOC Area Removal Action Workplan and is preparing a response to those comments. Approval of the Removal Action Workplan is anticipated within the next 30-days.
- In response to DTSC's request and discussions with United States Environmental Protection Agency (U.S. EPA), the Responsible Parties will submit a report to U.S. EPA and DTSC assessing polychlorinated biphenyls (PCBs) on Lots 1, 2, and 3 of the Site. The federal statute, known as the Toxic Substances Control Act (TSCA) is enforced by the U.S. EPA and has not been delegated to DTSC or any other state agency; therefore, U.S. EPA must review and approve the approach used to address PCBs at the Site.

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

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

- DTSC's consultant, Weiss Associates finalized the Technical Memorandum containing the results of the August 2007 groundwater monitoring conducted at the Site.

- Weiss Associates is currently revising the sampling workplan to investigate the Former Pacific Hard Chrome Site located at 1305 South 51<sup>st</sup> Street based on comments received from the property owner's representatives.

### **UC Richmond Field Station**

- DTSC is reviewing the University of California's (UC) responses to DTSC's comments to the Current Conditions Report for the site. 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.
- UC submitted the soil data from shallow surface soil sampling (the top 6 inches) of soil from the Western Transition Area (areas upland of the West Stege Marsh) conducted in January. The soil data will be reviewed and compared to screening levels protective of future site workers. These workers will be removing invasive and noxious weeds in this area. The report also identified two isolated areas where ash piles were found. Elevated levels of total PCBs (1.77 and 80.4 parts per million) was found in the piles. After consultation with U.S. EPA, DTSC has requested UC to remove both piles as a Time Critical Removal Action. UC is currently preparing a plan and will be submitting it to DTSC.
- Upon obtaining a permit from the University of California Campus Deputy Fire Marshall, restoration workers began weed abatement blanching. It is anticipated that the weed abatement will be occurring intermittently for the next two months in the ecotone and transitional areas (areas previously remediated), depending on appropriate weather conditions.
- UC has sent a request to DTSC to use an herbicide called Aquamaster (active ingredient glyphosate) mixed with the surfactant Competitor (a modified vegetable oil) to control invasive non-native plants in the coastal prairie and uplands portion of Western Stege Marsh. UC is planning on creating a 10 to 12 foot-wide weed-free buffer zone around the outer edges of the restored upland plots. DTSC will be reviewing the request.

### **Bio-Rad Laboratories**

- The six month groundwater pilot study concluded in December 2007. A report discussing the results of the groundwater pilot study was submitted on February 1, 2008 and is being reviewed by DTSC.
- DTSC is reviewing the Fourth Quarter 2007 Groundwater Monitoring Report.

## **Marina Bay Area –**

**West Shores Area –** A report documenting the November 2007 soil removal was submitted to DTSC and reviewed and approved. A total of 17 cubic yards of soil (27.15 tons) was removed and transported to Chemical Waste Management's Facility in Kettleman Hills, CA. The report and the approval have been uploaded into EnviroStor.

**Marina Bay Area T –** DTSC has reviewed and provided comments on the Draft Amendment to the existing Remedial Action Plan (Draft RAP Amendment), which proposes to remove the free floating petroleum and to continue monitoring the existing groundwater wells. The free floating petroleum is currently being monitored on a bi-weekly basis and has only been seen in one well at the site. A revised Draft RAP Amendment will be submitted in late March. The Draft RAP Amendment will be released for public comment once DTSC has completed its review. DTSC is tentatively planning the public comment period to run from May 13 through June 16, 2008 with a public meeting to be held on May 29, 2008.

**Operation and Maintenance Agreement –** The Operation and Maintenance Agreement is on hold pending completion of the Five Year Review of all of the deed restricted parcels except Areas FM and T. The areas covered by the existing Operation and Maintenance Agreement consist of roadways and parks where contamination was consolidated and capped in place. Seven separate Five-Year Review Workplans have been reviewed by DTSC. DTSC has provided comments on these documents and should receive revision by the end of March.

**Harbour Way South –** Former Richmond Plating Site, 738 Harbour Way South – DTSC is drafting an amendment to the existing Remedial Action Plan to allow for excavation of the contaminated soils and placement of Hydrogen Releasing Compound in the groundwater to help break down the remaining TCE and PCE. The Draft RAP Amendment will be released for public comment once DTSC has finalized the draft document. DTSC is tentatively planning the public comment period to run from April 11 through May 12, 2008 with a public meeting to be held on April 24, 2008.

**Liquid Gold -** Sampling of six shallow groundwater monitoring wells, in and around the capped and deed-restricted area on the Liquid Gold Site, was conducted at the end of January 2008. Groundwater sampling is currently being conducted every two years as part of the ongoing monitoring program. The Liquid Gold Biannual Groundwater Monitoring Report, which will contain the results of the sampling, is anticipated to be submitted to DTSC by March 14, 2008.

**Stege Property Pistol Range** – Additional soil sampling was performed on February 18 and 19, 2008, to better determine the extent and volume of lead-impacted soil in the backstop berm of the Pistol Range. Twelve potholes were excavated and sampled in or adjacent to the backstop berm where most of the lead-impacted soil has been found. The data will be reported in and used to finalize the Draft Removal Action Workplan (Draft RAW) which is anticipated to be released for public comment in the mid-May 2008, after DTSC has completed its review and determines the document is acceptable. The results of the previous Pistol Range investigations are presented in the September 16, 2005 Site Assessment Report that is available on DTSC's EnviroStor database with Liquid Gold Site documents. Levels of arsenic above naturally-occurring background concentrations were found at depths greater than seven feet in three borings along the exterior side of the backstop berm. The occurrence of arsenic to the south of the backstop berm is being further investigated as part of the Zeneca Southeast Parcel investigation and will be addressed separately from the lead-impacted soil at the Pistol Range.

**Blair Landfill** – It is anticipated that a report containing the findings of the soil gas investigation will be submitted to DTSC by the end of March 2008. Soil gas (or soil vapor) is air existing in void spaces in the soil between the groundwater and the ground surface. A soil-gas survey involves collecting and analyzing soil-gas samples to determine the presence of chemicals and to help map the spread of contaminants within soil.