



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
September 11, 2008
(Final)

The purpose of this update is to inform the community of activities that have occurred since August 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:

- Field activities associated with the *Final Lot 1 PCB/VOC Area Removal Action Workplan, Campus Bay Site, Richmond, California*, dated June 9, 2008 (Final Lot 1 PCB/VOC Area RAW) were completed on 15 August 2008.
- Maintenance activities were conducted in East Stege Marsh and Lots 2 and 3.
- DTSC reviewed the report describing the Lot 3 additional field samples collected in December 2007. DTSC comments requested that a pilot study to evaluate treatment methods for metals found in shallow groundwater to the south of the biologically active permeable barrier be proposed and an additional deeper groundwater sample be collected in one location near Lot 3-CPT-2B on Lot 3. Grab groundwater samples were collected from 6 locations and soil gas samples were collected from 2 locations. The purpose of the sampling was to collect additional information to be used in preparing the draft Feasibility Study and Remedial Action Plan.
- DTSC is reviewing the Second Quarter 2008 Groundwater and Surface Water Monitoring Report, dated July 31, 2008. The report contains the results of the groundwater monitoring that was conducted in May 2008.
- DTSC met with the site Responsible Parties to discuss the Freshwater Lagoons. A scoping risk assessment workplan will be prepared and submitted to DTSC for review.
- The Third Annual Monitoring Report for East Stege Marsh was submitted to the U.S. Army Corps of Engineers as part of their permit requirements. The report discusses the observed conditions of the marsh following the excavation activities that occurred in 2005 and 2006.
- DTSC approved the Historical Review of Radiological Uses and the Gamma Survey and Soil Sampling Results report. The Historical Review of Radiological Uses describes past uses of radiologic materials at the site and the Gamma

Survey report describes the results of the site gamma survey. Both reports were used to help determine locations for additional site soil sampling for radionuclides.

Activities Proposed for the Next 30-days:

- On-going maintenance activities will be occurring in East Stege Marsh and at Lots 2 and 3.
- The report describing the additional radiologic soil sampling will be submitted in September 2008. Based on discussions with CAG representatives and their consultants, the Department of Public Health, DTSC and the site Responsible Parties, additional soil sampling locations were identified and samples collected at the end of June 2008.
- Maintenance activities for the temporary cap located on Lot 3 will be performed beginning on September 15, 2008. Cracks and other damaged areas of the cap will be repaired. The fall cap inspection will be conducted after the repairs are completed.
- A report describing the additional pore water sampling will be submitted to DTSC for review and approval. Additional pore water was collected to determine whether there was any seasonal variation in the concentration and quantity of pore water.

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

Activities Completed:

- Weiss Associates prepared and submitted the draft sampling report describing the field work conducted on May 22 and 23rd to investigate the Former Pacific Hard Chrome Site located at 1305 South 51st Street. A limited access sampling rig was used to collect soil and groundwater samples from the rear of the property and one sample was collected from the parking area in the front of the property. DTSC is currently reviewing the report; however, DTSC's contract with Weiss Associates has been suspended due to the lack of a state budget.

UC Richmond Field Station

- DTSC met with University of California (UC) staff to discuss proposed revisions to the Current Conditions Report. 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.
- DTSC will be approving the Memorandum for a Time-Critical Removal Action at Two Campfire Locations in the Western Transition Area and the associated Notice of Exemption. Based on soil data collected from the Western Transition

Area (areas upland of the West Stege Marsh) in January and after consultation with U.S. EPA, DTSC has requested UC to remove two ash piles as a Time Critical Removal Action. Two isolated areas containing ash piles were found containing elevated levels of total PCBs (1.77 and 80.4 parts per million).

- At the August 14, 2008 Community Advisory Group (CAG), a member of the CAG stated that occupants of the RFS were being asked to move to offices located at the Zeneca/Former Stauffer Chemical Site. It has since been determined that this was a misunderstanding. There are no current plans to move RFS occupants to Zeneca/Former Stauffer Chemical Site buildings.

Bio-Rad Laboratories

- DTSC is reviewing the two additional treatability study workplans (in-situ groundwater technologies and soil vapor extraction) submitted by Bio-Rad that will evaluate additional technologies to enhance the removal of contaminants from soil and groundwater in conjunction with the existing groundwater extraction and treatment system.
- DTSC is reviewing the Semi-Annual Groundwater Monitoring Report that includes groundwater and surface water data.

Marina Bay Area –

West Shores Area – DTSC is working with the Developer and the City of Richmond to address the remaining soils with contamination above unrestricted levels.

Marina Bay Area T – DTSC approved an Amendment to the existing Remedial Action Plan (Draft RAP Amendment) and Notice of Exemption, which addresses the removal of the free floating petroleum at Area T. The free floating petroleum is currently being monitored on a bi-weekly basis and has only been seen in one well at the site. The implementation of the RAP Amendment began the week of September 1, 2008. Work notices were mailed to the community on August 18, 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 proposed Operation and Maintenance Agreement consist of roadways and parks where contamination was consolidated and capped in place.

Five Year Review - DTSC approved the Five Year Review Workplan for the capped areas at Marina Bay. These areas include Vincent Park, Shimada Park,

Peninsula Drive, Area V, Area E (Boat Ramp Parking Lot), Regatta Boulevard and Marina Way South. Soil gas sampling was conducted at three areas (Area V, Shimada Park and Peninsula Drive) and cap inspections were conducted at all seven areas. A Work Notice was issued prior to conducting the soil gas sampling. The Draft Five-Year Review will be submitted to DTSC in Early October 2008.

Harbour Way South – Former Richmond Plating Site, 738 Harbour Way South – DTSC approved an amendment to the existing Remedial Action Plan to allow for excavation and off-site disposal of the contaminated soils, and in-situ treatment of the groundwater to help break down the remaining solvents. Soil excavation was completed at the end of June and the site has been re-paved.

Liquid Gold – Biannual groundwater monitoring is performed at the site, and consists of collecting groundwater samples from six shallow groundwater monitoring wells, in and around the capped and deed-restricted area on the Liquid Gold Site. Groundwater samples are analyzed for total petroleum hydrocarbons and metals. The next groundwater monitoring event will be conducted in the fall of 2009. Biannual Groundwater Monitoring Reports are available on DTSC's EnviroStor database with other Liquid Gold Site documents.

Stege Property Pistol Range – CH2M Hill, Union Pacific Railroad Company's consultant conducted soil sampling in February and May 2008 in and adjacent to the Pistol Range backstop berm to further define the extent and volume of lead-impacted soil. Sampling results will be reported in the site cleanup plan discussed below.

Union Pacific was initially planning to proceed with cleanup of the lead-impacted soil in the area of the Pistol Range under a Removal Action Workplan (RAW), assuming the removal action was going to cost under \$1 million to implement. However, the most recent sampling results indicate that the volume of the lead-impacted soil and associated cleanup cost is greater than previously calculated. The projected remedial cost is over \$2.6 million, which requires that cleanup of the impacted soil be done under a Remedial Action Plan (RAP). In addition, Union Pacific is considering additional remedial actions on other portions of the Stege Property, including the Liquid Gold Site, in order to make it suitable to be developed. DTSC met with Union Pacific on August 21, 2008 and will meet again in about a month to work out the scope of the RAP and schedule for submitting the document and making it available for public comment. Remedial actions were previously performed at the Liquid Gold Site under a RAP approved by DTSC in 1993.

Blair Landfill – DTSC reviewed and approved the Union Pacific Railroad's response to DTSC's comments on the soil gas investigation report. 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. DTSC is internally discussing next steps for this site.