



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

May 8, 2008

(Final)

The purpose of this update is to inform the community of activities that have occurred since April 10, 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 reviewed the workplan to collect additional soil samples from the existing stockpiles on Lot 2 and will be providing comments. 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.
- The Radiological Historical Site Assessment was submitted to DTSC for review. The purpose of the assessment is to identify prior uses of radioactive materials and where these uses may have occurred.
- The Gamma Survey results were submitted to DTSC for review. 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.
- The Responsible Parties submitted 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.
- The response to DTSC comments on the draft Human Health Risk Assessment (Risk Assessment) was submitted by the Responsible Parties.
- Groundwater samples for the Second Quarter 2008 Groundwater Monitoring event were collected the week of May 5, 2008. Site groundwater monitoring wells are sampled on a quarterly basis to evaluate groundwater conditions.
- A report describing the Lot 3 additional field samples collected in December 2007 was submitted to DTSC for review. 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 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.
- 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

Activities Proposed for the Next 30-days:

- On-going maintenance activities will be occurring in East Stege Marsh and at Lots 2 and 3.
- 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.
- DTSC is continuing to review the Lots 1 and 2 Pilot Study and Groundwater Monitoring Reports.
- DTSC will be scheduling a meeting to discuss the sampling results from the Freshwater Lagoons. Samples were collected at the request of DTSC to determine if further actions are necessary.
- It is anticipated that a report containing the results of the sampling conducted at the Southeast Parcel will be submitted to DTSC for review.
- DTSC will begin reviewing the following documents: Radiological Historical Site Assessment, Gamma Survey results, Polychlorinated Biphenyls Assessment, Lot 3 Additional Field Samples Report and First Quarter 2008 Groundwater Monitoring Report.
- It is anticipated that the First Quarter 2008 Groundwater Monitoring Report will be submitted on May 15, 2008. The delay has been caused by the transfer of work from one consultant to another. This has resulted in several unanticipated database compatibility issues, primarily associated with the transfer of historical data between the two consultants. This report will contain the laboratory data collected in February 2008 from site groundwater monitoring wells.

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

Activities Proposed for the Next 30-days:

- DTSC's consultant, Weiss Associates has finalized the Technical Memorandum containing the results of the November 2007 groundwater monitoring conducted at the Site.
- Weiss Associates has finalized the sampling workplan to investigate the Former Pacific Hard Chrome Site located at 1305 South 51st Street. DTSC is also in the process of finalizing the site access agreement with the property owner. It is anticipated that the sampling will be conducted the week of May 12, 2008. A limited access sampling rig will be used to collect soil and groundwater samples from the rear of the property and one sample will be collected from the parking area in the front of the property.

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 has submitted the draft Memorandum for a Time-Critical Removal Action at Two Campfire Locations in the Western Transition Area. 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).
- Excavation work in the Central Meadow as part of the installation of research related wind turbines has been delayed due to funding issues.

Bio-Rad Laboratories

No new update.

Marina Bay Area –

West Shores Area – DTSC was informed that the Toll Brothers Project proposed for the West Shore will not be built. DTSC will be working with the Developer and the City of Richmond to address the remaining soils with contamination above unrestricted levels.

Marina Bay Area T – DTSC is currently reviewing the revised 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. 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 27 through June 25, 2008 with a public meeting to be held on June 9, 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 received a revised 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. DTSC has reviewed and approved this workplan. Soil gas sampling will be conducted at three areas (Area V, Shimada Park and Peninsula Drive) and cap inspections will be conducted at all seven areas.. A Work Notice will be issued prior to conducting the soil gas sampling. The Draft Five-Year Review Report would be submitted to DTSC in the beginning of August 2008.

Harbour Way South – Former Richmond Plating Site, 738 Harbour Way South – DTSC is finalizing 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. The public comment period started on April 11, 2008 for the Draft RAP Amendment. A public meeting was held on April 24, 2008. A Fact Sheet has been mailed out regarding this project. The public comment period ends on Monday May 12, 2008.

Liquid Gold – DTSC received the Biannual Groundwater Monitoring Report, dated March 12, 2008. This report summarizes the sampling results of the six shallow groundwater monitoring wells, in and around the capped and deed-restricted area on the Liquid Gold Site, performed at the end of January 2008. Groundwater samples were analyzed for total petroleum hydrocarbons (TPH) and metals. Zinc was the only metal detected above reporting limits at a concentration of 0.052 milligrams per liter (mg/l) in one of the wells (MW-4). All other analyzed metals were below reporting limits. TPH-diesel and TPH-motor oil were detected in the sample collected from well MW-8 at concentrations of 0.89 and 0.77 mg/l, respectively. These results are consistent with the 2005 results. The next groundwater monitoring event will be conducted in the fall of 2009. The Biannual Groundwater Monitoring Report is available on DTSC's EnviroStor database with Liquid Gold Site documents.

Stege Property Pistol Range – Soil sampling was conducted in February 2008 in and adjacent to the Pistol Range backstop berm to further define the extent and volume of lead-impacted soil. CH2M Hill, Union Pacific Railroad Company's consultant needs to complete the sampling at three additional locations. The sampling at the three locations will be conducted following the procedures that were outlined in the Pistol Range Backstop Berm Expanded Investigation Workplan approved by DTSC. The sampling is planned for May 14, 2008.

Because of this additional sampling, it is now anticipated that the Draft Removal Action Workplan will be released for public review in August of 2008. The change in the Union Pacific project manager has also affected the schedule for the Draft RAW.

Blair Landfill – The report containing the findings of the soil gas investigation was submitted to DTSC. 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.