



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
January 10, 2008
(Final)

The purpose of this update is to inform the community of activities that have occurred since December 13, 2007 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.
- The Site Responsible Parties have obtained access from Union Pacific Railroad Company. The access is needed as it is necessary to cross Union Pacific Railroad property to get to the Southeast Parcel so that samples can be collected. The Southeast Parcel is located to the east of Baxter Creek (also known as Carlson Creek) and is adjacent to the Stege Pistol Range
- DTSC reviewed the results of the pore water sampling in East Stege Marsh and is preparing a comment letter. DTSC's letter will consider comments received from the CAG Toxics Committee. Pore water is the water in the marsh sediments.
- DTSC is reviewing 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.
- Groundwater sampling for radionuclides was completed. Specific groundwater monitoring wells were sampled to determine if there are any elevated levels of specific radionuclides.
- A workplan to investigate the magnetic anomaly found at the southern end of South 49th Street was approved with modification by DTSC.
- The site Gamma Survey was conducted the week of January 7, 2008. The gamma survey will evaluate whether any surface or shallow anomalies that could be associated with radionuclides exist at the site.

Activities Proposed for the Next 30-days:

- It is anticipated that the sampling at the Southeast Parcel will be occurring in mid-January 2008, pending weather and site conditions. The sampling was required by DTSC to investigate the Southeast Parcel.

- On-going maintenance activities will be occurring in East Stege Marsh.
- A workplan to collect additional soil samples from the existing stockpiles on Lot 2 will be submitted. 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.
- It is anticipated that the Radiological Historical Site Assessment will be submitted to DTSC for review the week of January 21. 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 investigation of the magnetic anomaly area identified at the end of South 49th Street will be conducted in mid-January. An amendment to the workplan was also submitted to include investigation of an area to the north of former Building 94.
- DTSC is currently reviewing the public comments received for the Lot 1 PCB/VOC Area Removal Action Workplan and is preparing a response to those comments.

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

Activities Proposed for the Next 30-days:

- DTSC reviewed and approved the Technical Memorandum containing the results of the May 2007 (2nd Quarter) groundwater monitoring conducted at the Site.
- The Technical Memorandum containing the results of the August 2007 groundwater monitoring conducted at the Site was submitted to DTSC by Weiss Associates. DTSC has provided comments to this document.
- DTSC's environmental consultant, Weiss Associates prepared a sampling workplan to investigate the Former Pacific Hard Chrome Site. The site is located at 1305 South 51st Street. DTSC has reviewed the plan and provided comments to Weiss Associates. Weiss Associates just recently provided the revised the document to DTSC.

UC Richmond Field Station

- UC submitted 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.
- The University of California implemented the Time Critical Removal Action (TCRA) Memorandum on October 1, 2007, and completed excavation activities on October 15, 2007. All confirmation samples were found to be below the

cleanup goal of 16 parts per million for arsenic. Backfilling of the excavated area was scheduled to be conducted during the week of January 7, 2008, but will be delayed until the week of January 14, 2008 due to weather conditions. The TCRA addresses elevated concentrations of arsenic found in soil at the former Forest Projects Laboratory Wood Treatment Laboratory. Prior to the removal action, the arsenic was found in surface soils (0 to 6 inches) up to 1,300 milligrams per kilogram (mg/kg) and up to 650 mg/kg between 12 to 30 inches below the ground surface.

- Shallow surface soil sampling (the top 6 inches) of soil from the Western Transition Area (areas upland of the West Stege Marsh) is anticipated to be conducted in January. The soil data will then be reviewed and compared to screening levels protective of future site workers. These workers will be removing invasive and noxious weeds in this area.
- Planting of native marsh plants is currently being conducted. The planting will occur in areas that have previously been remediated.
- Pending approval from the University of California Campus Deputy Fire Marshall, restoration workers will be doing weed abatement blanching. The Deputy Fire Marshall will need to inspect and issue a permit before the activities can begin. It is anticipated that the weed abatement will be occurring intermittently for the next three months in the ecotone and transitional areas (areas previously remediated), depending on appropriate weather conditions.

Bio-Rad Laboratories

- The six month groundwater pilot study concluded in December 2007. A report discussing the results of the groundwater pilot study will be submitted in January 2008.

Marina Bay Area –

West Shores Area – No work in this area occurred in December and there are no current activities planned for January 2008. A report documenting the November 2007 soil removal is anticipated to be submitted in February 2008.

Marina Bay Area T – During the week of December 17, 2007, the six groundwater monitoring wells (two new and four existing wells) were sampled. Four other wells were evaluated for free floating petroleum. At the end of January 2008, all site wells will be checked for free floating petroleum. Based on the results, DTSC will assess what further action may be needed.

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. The Operation and Maintenance Agreement will ensure that the caps are inspected and maintained. The previously approved Operation and Maintenance Plans that was signed by both DTSC and the Richmond Redevelopment Agency are available on DTSC's EnviroStor web site.

Harbour Way South – Former Richmond Plating Site, 738 Harbour Way South – DTSC is reviewing the sample results from the sampling conducted in June 2007 to determine the next steps, as elevated levels of thallium, cadmium, lead, arsenic, tetrachloroethylene (PCE) and trichloroethylene (TCE) were found in soils. The site is currently deed restricted to commercial/industrial uses. DTSC is evaluating whether it is feasible to do a Remedial Action Plan amendment and remove all of the contamination using state funds.

Liquid Gold/Stege Property Pistol Range – Additional soil sampling is anticipated to be conducted in mid-February prior to finalization of the Draft Removal Action Workplan and release for public comment in the late spring of 2008. The purpose of the soil sampling is to better determine the extent and volume of lead-impacted soil in the backstop berm of the pistol range. The sampling will be conducted in accordance with the *Pistol Range Backstop Berm Expanded Investigation Workplan* approved by DTSC. Twelve potholes are to be excavated and sampled in or adjacent to the backstop berm where most of the lead-impacted soil has been found.

Sampling of six shallow groundwater monitoring wells, in and around the capped and deed-restricted area on the Liquid Gold Site, will be conducted at the end of January 2008. Groundwater sampling is currently being conducted every two years as part of the ongoing monitoring program.

A work notice that will cover three months of work will be sent out to the community for the Liquid Gold Site (which also includes Stege Pistol Range and Blair Landfill) in January 2008. A community survey, which will begin the process of updating the Public Participation Plan previously completed in 1988 will be included in the same envelope with the work notices.

Blair Landfill – Union Pacific Railroad Company submitted the revised Soil Gas Investigation Workplan for the Site 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. It is anticipated that the soil gas investigation will occur in February 2008 depending on weather conditions.

South Richmond Shoreline Sites Update
January 10, 2008 (Final)
Page 5

As stated above, a work notice describing the investigation will be sent out to the community.