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### **DTSC STATUS REPORT UPDATE**

South Richmond Shoreline Sites

July 10, 2008

(Final)

The purpose of this update is to inform the community of activities that have occurred since June 12, 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 Lots 2 and 3.
- The soil sampling plan to collect additional samples for radiological analysis was approved by DTSC. The soil sampling was completed on June 30 and July 1, 2008 and the soil samples have been submitted to the laboratory for analysis. Results will not be available until early August 2008.
- DTSC is reviewing the response to comments on the draft Human Health Risk Assessment (Risk Assessment) submitted by the Responsible Parties.
- 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 workplan describing the installation of additional groundwater monitoring wells (one shallow and one deep) and a piezometer was submitted and approved by DTSC. Installation and development of the wells and piezometer occurred June 23<sup>rd</sup> through the 30<sup>th</sup>. The purpose of the piezometer is to provide additional definition of groundwater flow in the southeastern portion of the site. The monitoring wells will be used to monitor water quality and groundwater flow direction in the central portion of Lot 3.
- DTSC approved the Lot 1 PCB/VOC Removal Action Workplan on June 12, 2008. Soil excavation occurred on June 23 and 24, but has been delayed due to a broken excavator and selection of a landfill for the non-hazardous soil. Fifty truckloads of hazardous soil have been removed and transported to Kettleman Hills Landfill. Confirmation samples collected to date indicate that all PCB and VOC results are below remediation goals. Additional work remaining includes: excavation and off-haul of approximately 7 truckloads of hazardous soil;

excavation and off-haul of approximately 900 tons of non-hazardous soil; collection of confirmation samples; and backfill/compaction activities.

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

- On-going maintenance activities will be occurring in East Stege Marsh and at Lots 2 and 3.
- A report containing the results of the sampling conducted at the Southeast Parcel will be submitted to DTSC for review.
- Revisions to the Lot 2 Soil Stockpiling Work plan will be submitted to DTSC for review and approval.
- DTSC will be reviewing the report describing the Lot 3 additional field samples collected in December 2007. 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 will be continuing its review of the Lots 1 and 2 Pilot Study and Groundwater Monitoring Reports.
- Groundwater monitoring samples will be collected during the week of August 4, 2008. This sampling will include the two new wells installed in June 2008. The samples are collected to monitor groundwater conditions at the site.
- The 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 Proposed for the Next 30-days:***

- Weiss Associates is currently preparing the sampling report describing the field work conducted on May 22 and 23<sup>rd</sup> to investigate the Former Pacific Hard Chrome Site located at 1305 South 51<sup>st</sup> 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. A report is being prepared by Weiss Associates.

**UC Richmond Field Station**

- DTSC is meeting with University of California (UC) staff to discuss the comments and responses 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.

- UC revised and DTSC will be reviewing 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).

### **Bio-Rad Laboratories**

- Bio-Rad is currently preparing two additional treatability study workplans (in-situ groundwater technologies and soil vapor extraction) that will add to and optimize the current groundwater extraction and treatment system. It is anticipated that the workplans will be submitted in late July/early August.
- DTSC will be 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 held a public comment period 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. The public comment period ran from May 27 through June 25, 2008. A public meeting was held on June 9, 2008. DTSC is drafting the Response to Comments.

**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. 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. This work was put on hold to give the CAG time to provide comments. A Work Notice will be issued prior to conducting the soil gas sampling. The work is tentatively scheduled to begin the week of July 21, 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. Soil excavation was completed 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 2008 in and adjacent to the Pistol Range backstop berm to further define the extent and volume of lead-impacted soil. CH2M Hill conducted soil sampling at three additional locations on May 12, 2008. The sampling was conducted following the same procedures as the February 2008 sampling that was outlined in the Pistol Range Backstop Berm Expanded Investigation Workplan approved by DTSC. 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 \$1,000,000 to implement. However, the most recent sampling results indicate that the volume of the lead-impacted soil is greater than previously calculated. Union Pacific proposes to excavate and dispose the lead-impacted soil at an off-site, permitted disposal facility and the projected cost is over \$1,000,000. Consequently, Union Pacific is preparing a Remedial Action Plan (RAP), instead of a RAW. DTSC is coordinating a meeting with Union Pacific to work out the schedule for submitting the RAP and implementing the subsequent site remediation activities.

**Blair Landfill** – Union Pacific is currently revising the soil gas investigation based on comments provided by 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. Previously, 31 soil samples at 11 different locations were collected and analyzed for 19 different metals, volatile organic compounds, semi-volatile organic compounds and pesticides. Based on an inquiry from the public, DTSC reviewed the data for beryllium, a metal. Beryllium concentrations ranged from less than 0.20 parts per million to 0.59 parts per million. In comparison, the California Human Health Screening Level for residential exposures is 150 parts per million.