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DTSC STATUS REPORT UPDATE

South Richmond Shoreline Sites

June 12, 2008

(Final)

The purpose of this update is to inform the community of activities that have occurred since May 8, 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.
- DTSC provided comments on the soil sampling workplan for the existing stockpiles on Lot 2. 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 and Gamma Survey results were submitted to DTSC for review. The reports were discussed at a meeting held on June 4, 2008 with the Department of Public Health, CAG representative and CAG technical consultants. The purpose of the assessment is to identify prior uses of radioactive materials and where these uses may have occurred. 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. A soil sampling plan was submitted for review and approval that includes sample locations discussed at the June 4, 2008 meeting.
- A meeting was held to discuss the report to U.S. EPA and DTSC that assess 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. U.S. EPA will be submitting a comment letter to DTSC.
- 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.

- DTSC reviewed and provided comments to 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.
- DTSC completed its review of the public comments received for the Lot 1 PCB/VOC Area Removal Action Workplan and has prepared the response to those comments. Approval of the Removal Action Workplan was given on June 12, 2008.
- DTSC approved the Lot 3 Remedial Investigation Report on June 10, 2008. The report contains the results of the field sampling conducted within the upland portion of Lot 3. The data will be used to develop the Feasibility Study and Remedial Action Plan.
- DTSC meet with the Responsible Parties to discuss the sampling results from the Freshwater Lagoons and to develop the protocols to evaluate the ecological risks posed by the site. Sediment samples were collected from the lagoons at the request of DTSC to determine if further actions are necessary.
- The First Quarter 2008 Groundwater Monitoring Report was submitted to DTSC for review. This report contains the laboratory data collected in February 2008 from site groundwater monitoring wells. The sampling is being conducted to monitor groundwater conditions.

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.
- 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.
- Implementation of the Lot 1 PCB/VOC Area Removal Action Workplan will begin on June 13 with the decommissioning of the groundwater monitoring well MW-25 and two soil vapor probes. Mobilization of equipment that will be used to excavate soil may also begin on June 13. Soil excavation will begin the week of June 16, 2008.

- It is anticipated that soil sampling as part of the radionuclide analysis will be conducted the week of June 23rd and concluding on 30th.
- A workplan describing the installation of additional groundwater monitoring wells (one shallow and one deep) and a piezometer that was requested by DTSC will be submitted. Installation of the wells and piezometer has been tentatively scheduled for June 23rd through the 27th. 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.

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

Activities Proposed for the Next 30-days:

- Weiss Associates conducted field work on May 22 and 23rd to investigate the Former Pacific Hard Chrome Site located at 1305 South 51st Street. The sampling was delayed from the week of May 12 due to permitting issues. 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 provided comments to 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. DTSC is also meeting with UC to discuss the comments and responses.
- UC is currently revising 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).
- UC's consultant collected the surface water and near surface sediment samples as part of the biannual marsh sampling on June 9, 2008. The results will be provided in late July 2008 and the full marsh monitoring report will be submitted in Spring 2009.

Bio-Rad Laboratories

Bio-Rad is currently preparing additional pilot study workplans (in-situ groundwater technologies and soil vapor extraction) as proposed in the Groundwater Extraction Treatability Study Report.

Bio-Rad submitted the Semi-Annual Groundwater Monitoring Report that includes the sample results from groundwater and surface water samples collected in March 2008.

Marina Bay Area – DTSC responded to three email inquiries from CAG member, Sherry Padgett regarding Marina Bay. The CAG was copied on all responses.

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 is holding 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 runs from May 27 through June 25, 2008. A public meeting was 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 ended on May 12, 2008. DTSC issued a work notice on May 30, 2008 regarding some additional sampling which was conducted on June 3, 2008. DTSC approved the revised RAP Amendment on June 10, 2008. A second work notice was issued on June 10, 2008 announcing the start of implementation of the RAP amendment beginning June 16, 2008.

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 (TPH) 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 conducting soil sampling at three additional locations on May 12, 2008. The sampling was conducted following the same procedures as the February 2008 sampling that were outlined in the Pistol Range Backstop Berm Expanded Investigation Workplan approved by DTSC.

Because of the need to perform 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 – DTSC provided comments to the report containing the findings of the soil gas investigation. The comments request that additional evaluation of the data be conducted and presented in a revised 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. 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.