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DTSC STATUS REPORT UPDATE

South Richmond Shoreline Sites

April 14, 2016

The purpose of this update is to inform the community of activities that have occurred since March 10, 2016 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:

- DTSC reviewed and approved the Second Half 2015 Temporary Cap Inspection Summary Report. The report describes the activities that were conducted on the Lot 3 temporary cap, such as weed control and cap repair.
- Zeneca Inc. submitted the second revised draft Feasibility Study and Remedial Action Plan for Habitat Area 2 (HA-2). HA-2 is located in the southeastern portion of the Zeneca Site and includes the upper and lower lagoons (formerly used as chemical evaporation ponds) and the associated upland habitat area. The plan describes the site conditions, associated risks, screening of different cleanup alternatives and proposes a cleanup remedy.
- The 2016 semi-annual groundwater monitoring event was completed. This included measuring groundwater levels and collecting groundwater samples from monitoring wells located on the site. A report documenting the data collected will be submitted in July 2016.

Activities Proposed for the Next 30-days:

- DTSC will continue to negotiate land use covenants with the current site property owner for both East Stege Marsh and the Southeast Parcel property. A Removal Action Workplan was previously approved for East Stege Marsh requiring that a land use covenant be recorded to ensure that the land remains as marsh habitat. In addition, the previously approved Preliminary Endangerment Assessment for the Southeast Parcel found that the property is appropriate for use as an open space, but requires a land use covenant to prevent any residential development. A fact sheet and public notice regarding the Southeast Parcel will be provided in the future.
- DTSC is continuing its review of the draft Feasibility Study/Remedial Action Plan for Lots 1 and 2, and the uplands portion of Lot 3. The plan summarizes site conditions and evaluates different cleanup options. Opportunities for the public to review and comment on the plan will be provided to the community in the future.

- DTSC will be reviewing the revised draft Feasibility Study/Remedial Action Plan for HA-2 described above.

Harbor Front Site (businesses to the east of Zeneca Site) – No new update.

UC Richmond Field Station (also known as the Berkeley Global Campus) –

- DTSC is reviewing the revised draft Phase IV sampling report submitted by the University of California (UC). The report contains the results of soil, soil vapor and groundwater sampling conducted in the Big Meadow area, the East Transition Area, and the Bulb. The report also contains the results of the additional soil sampling conducted in the EPA North Meadow for PCBs.
- UC is continuing to draft the Phase V Field Sampling Work Plan. The Phase V area will investigate the remaining habitat areas of the site that have not been previously investigated, such as the western portion of West Stege Marsh.
- UC provided a response to DTSC's comment regarding the revised Building 280A and Building 450 soil sampling report. The comment required clarification of a footnote on one of the tables regarding aluminum concentrations. Based on DTSC's review of UC's revised table, the report was approved. The soil samples were collected based on information provided by a UC Berkeley employee.
- UC measured water levels and collected groundwater samples from monitoring wells located on the site. In addition, UC submitted and DTSC approved with modification elimination of specific laboratory analysis from 17 monitoring wells. Thirty-seven locations will continue to be monitored. The approval was based on four years of data where the specific chemicals were either not detected or have only been detected at half its drinking water screening level concentration.
- UC submitted Forms A and B of the Site Management Plan describing a graduate student's phytoremediation project that will be located east of Building 163, along the southeastern boundary of the site. The project is to investigate the use of green plants to remediate soil contaminated with arsenic. The experiment will run from Spring 2016 through Fall 2017. Site preparation will include tilling the soil, and erecting a hoop house and drip irrigation. The experiment will be completely dismantled at the end of the experiment. Any persons working on the project will be informed of the contaminants present and will wear protective equipment.

Bio-Rad Laboratories – DTSC is working on the Statement of Basis and California Environmental Quality Act (CEQA) documents for this site and anticipates that the documents will be available for public review and comment in June 2016. Additional information regarding a public meeting/hearing and opportunities to comment on the document will be provided in the future. The Bio-Rad facility is regulated by DTSC under a conditionally authorized tiered permit for their wastewater treatment system. The system neutralizes acids and bases by adjusting the pH with either sodium hydroxide or bisulfide. Because of the facility's permit status, investigation and cleanup is conducted under a program known as corrective action. The Statement of Basis is the cleanup decision document under the corrective action program.

Marina Bay Area –

Parcel FM – The City continues to pursue potential developers and will implement increased inspection and maintenance activities in the meantime. The City covered unpaved portions of Parcel FM with wood chips and fiber rolls in late September and will inspect and maintain these temporary measures twice per month. Existing fencing and warning signs will also remain.

Five Year Review 2010-2014 – DTSC has reviewed and approved the City of Richmond's Five Year Review Report on city-owned units, and prepared a Five Year Review Report on privately owned units. DTSC is currently packaging these items under a single 5 Year Review report for all of Marina Bay, and it is anticipated that a public notice announcing its final approval and recommendations will be distributed by May 2016.

Marina Bay Area T – The City began implementing the DTSC-approved remedial Enhancement Workplan for Area T. The plan was requested by DTSC after it made a determination that remediation at Area T was not meeting its objectives in a timely manner. The City installed four additional extraction wells on October 1 and 2 to supplement the existing two extraction wells and began extracting groundwater with free product in late October. The City continues to monitor groundwater in eight previously existing monitoring wells. The amount of free product extracted prior to installation of the new extraction wells was 21 liters. After installation of the new wells, total ground water and free product extracted were reported (as opposed to the past practice of reporting free product separately). Extraction wells with sheen or free product present are pumped until no more sheen or free product can be collected. Since October, the thickness of free product in extraction well TW-3 has visibly decreased, as has the sheen in extraction well CW-3. Extraction will continue until no free product is present and significant contaminant concentration reduction is achieved.

The Beach at Marina Bay – DTSC staff have prepared a modified version of the maintenance agreement being negotiated with the Marina Bay Townhome Association (MBTA), and will submit it to the owner's association for consideration after internal legal review is complete. The agreement seeks to ensure the long-term integrity of the remedy through conditions that include owner notification, excavation restrictions, annual inspections, and periodic review of the remedy.

Navistar International (830 Marina Way South) – Navistar International Transportation built and operated a warehouse that stored and distributed truck parts, and serviced trucks until the late 1990s. Lead, arsenic, gasoline, diesel and motor oil residues have been detected in soils in association with fuels, lubricants and landscaping products used when the plant operated. The current owner of the property plans to develop the property for residential use. DTSC's comments on the final Draft Phase II Site Assessment Report were sent to the Responsible Party (RP) on January 29, 2016. A second revision of the Soils Removal Action Workplan (RAW) was submitted by the RP on January 25, 2016. DTSC sent email comments on the revised

RAW on January 27, 2016 and February 4, 2016. Activities proposed for the next 30 days include: A public notice and fact sheet for the draft RAW will be drafted; the revised Phase II Site Assessment Report will be finalized; the revised Soils RAW will be finalized and ready for public comment; and the California Environmental Quality Act (CEQA) documents (Responsible Agency Checklist and Notice of Determination) will be finalized by DTSC.

Harbour Way South – No new update.

Liquid Gold, Stege Property Pistol Range, and Blair Landfill –

Liquid Gold – DTSC reviewed and provided comments on the 2015 Biennial Groundwater Monitoring Report submitted by Union Pacific Railroad. The comments include the need to evaluate the condition of specific monitoring wells, and making revisions to the text to ensure consistency within the report. The report summarizes the groundwater sampling and data collected from monitoring wells located at the site, and the results of the site inspection.

Stege Property Pistol Range – No new update.

Blair Landfill – Zeneca Inc. has received the permit amendment from the Bay Conservation and Development Commission (BCDC). The BCDC permit is necessary to conduct the field work to implement the Soil Investigation Work Plan to Further Assess Vertical and Lateral Extent of TENORM Concentrations in Soil. Zeneca Inc. is now working on obtaining local permits and scheduling the work. A work notice will be provided to the community prior to the work being conducted.