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DTSC STATUS REPORT UPDATE

South Richmond Shoreline Sites

July 13, 2017

The purpose of this update is to inform the community of activities that have occurred since June 8, 2017 and activities that are expected to occur in the next 30 days at the South Richmond Shoreline Sites. Please note that in the electronic version, underlined text includes a link to documents found on DTSC's [Envirostor webpage](#). Please press Ctrl+Click to follow the link.

Zeneca/Former Stauffer Chemical Site

Activities Completed:

- DTSC completed preparation of the [Responsiveness Summary and approved the Feasibility Study and Remedial Action Plan for Habitat Area 2](#) (HA-2) and the [California Environmental Quality Act documents](#) (CEQA). A public comment period was held between August 10 and October 10, 2016 and a public meeting was held on August 24, 2016. A [community update](#) was mailed to the community and a [public notice](#) was published in the East Bay Times. A [second public notice](#) was published on August 30 in the East Bay Times notifying the community of the extension of the comment period, and the notice was also sent to the community. 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 selects a cleanup remedy.
- Zeneca Inc. is continuing to revise the draft Feasibility Study/Remedial Action Plan for Lots 1 and 2, and the uplands portion of the Lot 3. The plan summarizes site conditions and evaluates different cleanup options. It is anticipated that the plan will be available sometime in summer 2017. Specific opportunities for the public to review and comment on the plan will be provided in the future.

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.

- Zeneca Inc. will begin preparing the draft Remedial Design Implementation Plan (RDIP) for Habitat Area-2. The draft RDIP will be submitted in mid-August and will include the 30 percent design plans for implementing the remedy approved in the Feasibility Study/Remedial Action Plan 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) –

- The University of California anticipates submitting the draft Phase V Sampling Report in July 2017. During the sampling, sediment and pore water samples were collected from West Stege Marsh.
- Work to begin implementation of the Removal Action Workplan in the Corporation Yard is expected to start in mid- to late summer. Work notices will be sent to the community in the future with more information.
- DTSC reviewed a Lawrence Berkeley National Laboratory research project that would include installing one helical pier in the Geosciences Well Field. The helical pier will be used as part of a seismic testing experiment.

Bio-Rad Laboratories –

- DTSC previously reviewed and [commented](#) on the [draft Corrective Measures Implementation Work Plan](#) submitted by Bio-Rad Laboratories. The Work Plan describes how the [Statement of Basis](#), which is a remedy selection document, will be implemented. Bio-Rad will be revising and resubmitting the Work Plan.
- DTSC has reviewed and will be approving the revised soil management work plan submitted by Bio-Rad Laboratories. (Note: The link to the revised work plan is not available at the time the update was prepared. The link will be provided in a revised update). The work plan was prepared so that Bio-Rad Laboratories can make improvements to underground utilities at four locations. The work includes excavating and replacing lateral lines between buildings and the sewer main located on South 32nd Street, and excavation of a pit (approximately 3.5 cubic yards) under Pad 4. Volatile organic chemicals (VOCs) are the primary chemicals of concern and are present in soil and shallow groundwater at the site.
- Bio-Rad submitted a [Work Plan for Sub-Slab Soil Vapor Sampling at Building 6](#). The sampling is being proposed in support of the Statement of Basis. DTSC reviewed and [commented](#) on the plan.
- DTSC reviewed and approved the [Semi-Annual Report – March 2017](#) submitted by Bio-Rad Laboratories. This report contains the results of the semi-annual groundwater elevation measurements and groundwater sampling, and surface water sampling that occurred in March 2017. The report also describes maintenance activities that were performed on the groundwater treatment system and provides a summary of the treatment system.

Marina Bay Area –

Area FM –The City of Richmond submitted a draft Work Plan for Construction of Temporary Soil Cap for Area FM on June 23, 2016. DTSC approved the Work Plan on August 10, 2016. A temporary cap will be installed over the unpaved portion of Area FM as an interim measure until the permanent cap is installed when the property is redeveloped. The City is continuing negotiations with a private developer and will notify DTSC when the developer is under contract. The City has indicated their intention to incorporate the construction of the temporary cap as part of the developer's pre-construction actions.

Five Year Review 2010-2014 – DTSC 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 evaluating soil gas issues at Shimada Friendship Park. PES Environmental (PES) on behalf of the City of Richmond has taken samples from five probes in accordance with the Soil Vapor Sampling Workplan approved by DTSC, and the results were similar to the previous results. No benzene, toluene, ethylbenzene or xylenes (BTEX) were detected. Total volatile hydrocarbons were detected in well pairs, decreasing with distance from the material under the cap. The preliminary analytical data showed that the cap remains an effective remedy. PES will submit a Soil Gas Resampling Report to DTSC. The Annual Inspection for Deed Restricted Areas was conducted in February 2017. It was found that all areas were in good condition with minor routine maintenance required at two locations. PES will submit an Inspection Report in May. DTSC is 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 in the summer of 2017.

Marina Bay Area T – The City implemented the DTSC-approved remedial Enhancement Workplan for Area T. From October 2015 to March 2016, a total of six groundwater/separate-phase hydrocarbon (SPH) extraction events occurred. The City is continuing to monitor groundwater in the 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). Since October 2015, the thickness of free product in extraction well TW-3 has visibly decreased, as has the sheen in extraction well CW-3. The First Quarter 2017 sampling event was conducted in early January to gather the data. The City conducted an extraction event on March 29, 2017, and the SPH was measured at 0.27 feet thick. A total of 0.59 liters of SPH was recovered from well TW-3 during the First Quarter of 2017 using the installed passive skimmer and then by hand bailing the well following the removal of the skimmer. SPH was not observed in any of the remaining wells measured. Dissolved concentrations of TEPHd (diesel) and TEPHmo (motor oil) in samples collected from the remaining wells during the First Quarter 2017 were generally consistent with historical results. TEPHd was detected above the site cleanup goal of 640 micrograms per liter (ug/L) in wells TW-2, TW-4 and CW-3. TEPHmo was detected

above the site cleanup goal of 640 ug/L in wells CW-3 and TW-4. Stoddard solvent and gasoline were detected above their respective site cleanup goals of 680 ug/L and 500 ug/L in well CW-3 only. The June groundwater and product extraction event was conducted on June 9, 2017. No sheen was found in well CW-3, and the SPH was measured at 0.02 feet thick. 1800 gallons of groundwater and product was extracted.

The Beach at Marina Bay – DTSC is seeking to sign a Land Use Covenant with the Marina Bay Townhome Association (MBTA) to restrict the uses of the common area of the Beach. The Land Use Covenant will ensure the long-term integrity of the remedy through conditions that include owner notification, excavation restrictions, annual inspections, and periodic review of the remedy. DTSC project manager conducted a site inspection around the property on July 7, 2017. No prohibited uses or any interference activities with the Cap were found on site.

MEEKER SLOUGH – The City is continuing to evaluate potential sources of PCBs in the slough and surrounding sediments, and to identify other potential responsible parties as part of preparation of a sampling plan. The plan is anticipated to be approved in early fall of 2017, and implemented before the end of January.

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 approved the [Removal Action Workplan](#) (RAW) on June 21, 2016 after holding a 30-day public comment period between May 6 and June 6, 2016. The approved alternative consists of removing and transporting contaminated soil to a permitted facility for disposal. Clean fill will be brought into the Site and passive vapor mitigation will control migration of volatile organic compounds (VOCs) into buildings. A [work notice](#) was sent to the community prior to the estimated start of fieldwork. Due to weather delays, Soil RAW implementation is currently ongoing. After implementation is complete, Navistar plans to conduct one year of semiannual groundwater sampling to support remedial alternative determinations for VOC contaminated groundwater.

Harbour Way South – No new update.

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

Liquid Gold – No new update.

Stege Property Pistol Range – No new update.

Blair Landfill –

- DTSC is reviewing the [Second Revised Phase II Multimedia Sampling Report](#) submitted by Union Pacific Railroad (UPRR). The report includes the results and

evaluation of the biological sampling work along Baxter Creek at the Blair Landfill. Workers collected crabs with baited traps, and mussels, clams, snails, and worms by hand. The work was conducted to determine how much pesticide the Ridgeway's Rail, an endangered bird species, may potentially be ingesting. A [work notice](#) was sent out to the community describing the fieldwork.

- DTSC, and the California Department of Public Health, Radiological Health Branch are reviewing the [Soil Investigation Report](#) submitted by Stauffer Management Company. The report provides the soil data collected for the investigation of technologically enhanced naturally occurring radioactive material (TENORM). It has been determined that additional sampling is needed to the north. Zeneca Inc. is currently talking to the City of Richmond to obtain access to City property for sampling. Access will also need to be obtained from UPRR. Previous investigations by Zeneca Inc. under the oversight of DTSC and in consultation with the California Department of Public Health Radiological Health Branch, revealed elevated levels of radiologic material. The purpose of the investigation is to determine the location and amount of TENORM on the site.