

UNIVERSITY OF CALIFORNIA, BERKELEY
RICHMOND BAY CAMPUS
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
June 15, 2018

This monthly summary report (MSR) summarizes environmental site investigation and remediation activities conducted on behalf of The Regents of the University of California (UC) at the University of California, Berkeley's Richmond Field Station Site in accordance with Section 6.3 of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) Site Investigation and Remediation Order (Order), Docket No. I/SE-RAO 06/07-004, effective on September 20, 2006.

a. Specific actions taken by or on behalf of Respondents during the previous calendar month (May 2018).

- On May 10, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- Based on discussion at the February 8, 2018 monthly meeting, on March 23, 2018 UC submitted a sampling plan for additional subsurface investigations at the Mercury Fulminate Plant Area (MFA) to refine excavation areas for the removal action described in the July 2014 Removal Action Workplan. On April 9, 2018 DTSC sent a comment letter on the sampling plan. Based on discussions with DTSC, a final sampling plan was submitted May 9, 2018 and approved by DTSC on May 10, 2018.

b. Actions expected to be undertaken during the current calendar month (June 2018).

- On June 14, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- Sampling plans to complete two miscellaneous sampling activities were submitted in March 2018. These activities are:
 - Sampling soil in the Northwest Meadow for ecological risk assessment, submitted March 29, 2018. DTSC issued a comment letter on the Northwest Meadow sampling on May 10, 2018 and it is anticipated that a response to comments will be completed in June 2018 and implementation of the Northwest Meadow sampling in early July 2018.
 - Sampling the concrete floor in B120 in order to determine if it can be re-released for use by the RFS Facilities Management or whether remediation of the floor is needed, submitted on March 20, 2018. DTSC issued a comment letter on the B120 floor sampling plan on May 7, 2018 and it is anticipated that a response to comments will be completed in June 2018 and implementation of the B120 sampling will be completed in June or early July 2018.
- A draft sampling plan for characterization of PCBs in the EPA North Meadow soil piles, as a follow-up to findings in the Field Sampling Plan Phase IV investigations, was submitted to DTSC and EPA and approved in October 2017. The sampling was completed on November 14 and 15, 2017. A follow-up sampling of soil accumulated on top of two catch basin inlets at the south end of the meadow was completed on December 14, 2017. The sampling report on

these events was submitted to DTSC and EPA on February 28, 2018. On April 3, 2018 DTSC sent a response letter to the February 28, 2018 report requiring revisions to the report in 60 days (~June 4, 2018). A response to the DTSC comments was submitted June 4, 2018. UC will coordinate with DTSC and EPA on completion of a proposed soil removal action to excavate PCB contaminated soil off-site later in 2018. A draft TSCA PCB Risk-based Disposal Approval Application will be submitted in June to initiate this proposed action.

- The draft annual groundwater monitoring report for 2016-17 was submitted to DTSC on September 15, 2017. The final report was submitted on March 14, 2018 with edits based on the December 18, 2017 DTSC comment letter. DTSC sent an approval letter for the report on April 9, 2018, which also requires an amendment to the *Proposed Continued Groundwater Monitoring Locations for 2016* that includes the table of piezometers that will be sampled beginning in 2018. A separate letter with this amendment will be submitted to DTSC in June 2018.
- One June 4, 2018 pre-excavation sampling began at the Mercury Fulminate Area (MFA) to refine excavation areas for the removal action described in the July 2014 Removal Action Workplan, approved by DTSC on May 10, 2018. The field work continued through June 15, 2018.

c. All planned activities for the next month (July 2018)

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held July 12, 2018.
- Round 10 of RFS groundwater sampling began with groundwater elevation measurements on April 2, 2018, followed by completion of sampling of wells during that week. This completed the groundwater sampling for FY2018. A draft report on the sampling is anticipated to be submitted in July 2018.
- On January 18, 2017 sediment and porewater sampling was completed in Western Stege Marsh as implementation of the marsh sampling portion of the Field Sampling Plan Phase V (FSP V), approved by DTSC on January 17, 2017. The Draft Phase V Sampling Results Technical Memorandum Western Stege Marsh on the findings of the sampling was submitted to DTSC on July 27, 2017 and on December 21, 2017 DTSC issued a comment letter. On January 31, 2018 UC staff met with DTSC and EPA eco-risk assessors and other staff to discuss the results of recent and historic marsh sediment and porewater samples. On February 28, 2018 draft Response to Comments (RTCs) on the DTSC comment letter were submitted to DTSC. On June 7, 2018 DTSC issued a comment letter on the draft RTCs requiring reporting revisions to the report in 30 days (~July 8, 2018). It is anticipated that a response to the DTSC comments will be submitted in July 2018. It is anticipated that a report on the implementation of the marsh sampling portion of the Field Sampling Plan Phase V (FSP V) will be finalized in July upon approval of the RTCs. Following completion of the report a multi-agency meeting will be scheduled in the near future to discuss the findings and determine any future actions needed.
- An application for a risk-based PCB cleanup for the Corporation Yard and B150 Transformer Area Removal Action Workplan excavation areas was submitted to U.S. EPA Region 9 TSCA office on August 8, 2017 including a report on the results of the June 2017

supplemental PCB sampling. The application was approved by EPA on September 1, 2017. The Corporation Yard removal action designed to excavate twelve PCB and non-PCB areas described in the July 2014 Removal Action Workplan (RAW) and August 2017 application began on October 10, 2017 and was completed on November 1, 2017 after which the excavation areas were lined with filter fabric and filled with clean soil from the CRT soil piles. On December 19, 2017 EPA and DTSC staff completed a site inspection of the Corporation Yard and B150 Transformer Area removal action to assess final requirements for signage and fencing. Covered and lined roll-off bins containing soil from the Corporation Yard and B150 Transformer Area removal action were shipped to permitted off-site disposal facilities at the end of December 2017. Step-out soil sampling in portions of the Corporation Yard as a follow-up to the December 19, 2017 site inspection by EPA and DTSC staff was completed during the week of January 16, 2018. The remaining six cubic yard boxes of TSCA PCB waste were shipped for off-site disposal on February 2, 2018. A fencing plan for the excavation areas was submitted February 20 and approved by DTSC and EPA on February 21, 2018. Fencing installation was completed in May 2018. A Yellow Jacket storm drain filter was placed in the B185 drop inlet on March 8, 2018 and replaced with Mifafi gotextile fabric in April. Alternative filters will be assessed prior to the start of the Fall 2018 rainy season. It is anticipated that a draft report on these activities will be submitted in July 2018 after the analytical results of the B120 concrete floor sampling are received.

- It is anticipated that UC Berkeley will provide DTSC with a proposed update to the April 12, 2017 Soil Management Plan in July per agreement with DTSC that the plan would be reviewed yearly and updated as necessary.
- It is anticipated that the draft Plans and Specifications for MFA planned removal action will be completed in July or early August 2018. The draft Plans and Specifications will be submitted to DTSC for review and approval.

d. Any requirements under the Order that were not completed.
None.

e. Any problems or anticipated problems in complying with this Order.

- Completion of the RAW removal actions, continued efforts under the Field Sampling Workplan, and other tasks is dependent on the ability to meet with DTSC staff on a timely basis and may require adjusting schedules and extensions of deadlines.