

**UNIVERSITY OF CALIFORNIA, BERKELEY**  
**RICHMOND BAY CAMPUS**  
**RICHMOND FIELD STATION SITE**  
**MONTHLY SUMMARY REPORT**  
**December 17, 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 (November 2018).

- On November 8, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- UC Berkeley submitted to DTSC a draft proposed update to the April 12, 2017 Soils Management Plan Revision 1 on November 2, 2018 per agreement with DTSC that the plan would be reviewed yearly and updated as necessary.
- UC Berkeley issued the Final Phase V Sampling Results Technical Memorandum to DTSC on October 15 and held a multi-agency meeting on November 28, 2018 to review and discuss the report findings. The scope of the technical memorandum was sediment sampling with the original Western Stege Marsh only. The remaining investigations of Phase V—the Bulb and Western Transition Area—will be investigated in Fall 2019.
- A sampling plan to complete a miscellaneous soil sampling activity in the Northwest Meadow to evaluate current soil conditions was submitted to DTSC on March 29, 2018. DTSC issued a comment letter on the Northwest Meadow sampling on May 10, 2018. An updated Sampling Plan letter was submitted to DTSC on November 30, 2018.
- The draft annual groundwater monitoring report for 2017-18 was submitted to DTSC on July 27, 2018. DTSC issued a comment letter on October 25, 2018 requiring responses to the comments within in 45 days (~December 9, 2018). A response to comments was submitted to DTSC on November 30, 2018.

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

- On December 13, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- A TSCA PCB risk-based disposal approval for the EPA North Meadow soil pile excavation areas was submitted to EPA on August 15, 2018, with additional certification language submitted on August 29, 2018. EPA sent an approval letter on September 6, 2018. The draft Plans and Specifications will be submitted to EPA for review and approval in December. The removal action is planned for early spring 2019.

- In June 2018, a pilot study consisting of pre-excavation sampling was conducted 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. Based on conversations with DTSC in August 2018, and data collected during the pre-excavation a waste profile proposal was sent to the receiving landfill for review. On October 5, 2018, the workplan for a second pilot study was submitted to DTSC, consisting of excavation and monitoring activities to evaluate the potential for mercury vapor emissions resulting from the proposed removal action at the MFA. The purpose of the pilot study is to determine which conditions or applied methods would minimize or eliminate mercury vapors measure along the perimeter fence line locations. DTSC approved the pilot workplan on October 22, 2018. On December 11, 2018 the pilot excavation began and continued through December 14, 2018.

c. All planned activities for the next month (January 2019)

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held January 10, 2019.
- The draft Plans and Specifications for MFA planned removal action will be completed in January, informed by the results of excavation pilot study completed in December 2018. The draft Plans and Specifications will be submitted to DTSC for review and approval.
- The annual groundwater monitoring report for 2017-18 will be finalized following DTSC approval of RTCs.

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.