

**UNIVERSITY OF CALIFORNIA, BERKELEY**  
**RICHMOND BAY CAMPUS**  
**RICHMOND FIELD STATION SITE**  
**MONTHLY SUMMARY REPORT**  
**March 15, 2019**

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 (February 2019).

- On February 14, 2019, UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- On January 17, 2019, a revised three-year schedule was sent to DTSC with a request to conduct the Mercury Fulminate Area removal action in the upcoming winter of 2019/2020. This allows UC Berkeley to implement effective controls to minimize or eliminate mercury vapor emissions, as evaluated in the December 2018 MFA pilot study. On February 12, 2019, the revised schedule was approved by DTSC.
- On January 25, 2019 a near surface sediment sample was collected from the Western Stege Marsh as part of continued annual monitoring for worker protection and evaluation of current near surface sediment conditions consistent with the March 2008 Agency for Toxic Substances and Disease Registry Public Health Assessment and California Department of Public Health findings and recommendations. A report on the sampling will be submitted in spring 2019.
- In June 2018 pre-excavation sampling was conducted at the Mercury Fulminate Area (MFA) to investigate vapor emissions controls for the removal action described in the July 2014 Removal Action Workplan, approved by DTSC on May 10, 2018. On October 5, 2018, an excavation pilot study was submitted to DTSC to evaluate the potential for mercury vapor emissions resulting from the proposed removal action at the MFA and 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. Based on conversations with DTSC in August 2018, and data collected during the pilot excavations, waste profile proposals were sent to the receiving waste management facilities for review. Waste profiles were approved by the receiving facilities in February 2019. Removal of MFA excavation pilot study soil was completed on February 28, 2019.

b. Actions expected to be undertaken during the current calendar month (March 2019).

- On March 14, 2019, 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. UC Berkeley will collect the perimeter confirmation samples in March to ensure the proper volumes are included in the draft plans and specifications. Following receipt of the sample data, the plans and specifications will be submitted to DTSC and EPA for review and approval. The sampling will be conducted in April and the removal action is planned for summer 2019.
- 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. DTSC provided approval of the response to comments on March 7. The final report will be submitted in April.

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held April 11, 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. DTSC provided comments to UC Berkeley on March 4, 2019. UC Berkeley will address the comments and submit the revised letter in April, followed by the sampling at the end of April.
- UC Berkeley will conduct annual groundwater monitoring during the week of April 1, 2019.
- UC Berkeley will collect perimeter confirmation samples from the EPA Meadow North in April 2019.
- A letter documenting the effectiveness of various controls used during the MFA excavation pilot study is anticipated to be sent to DTSC by the end of April following receipt of the soil disposal activities documentation.

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.