

**UNIVERSITY OF CALIFORNIA, BERKELEY**  
**RICHMOND BAY CAMPUS**  
**RICHMOND FIELD STATION SITE**  
**MONTHLY SUMMARY REPORT**  
**July 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 (June 2019).

- On June 13, 2019 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- In September 2018, UC Berkeley submitted a sampling report for the excavation associated with the construction of the Northern Regional Library Facility Phase 4 per the 2017 Soil Management Plan, Revision 1. DTSC provided comments on December 3, 2018. The updated sampling report letter was submitted June 10, 2019.
- 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 collected the perimeter confirmation samples on May 15 and 16, 2019 to ensure the proper volumes are included in the draft plans and specifications. Lab results from the perimeter decision unit sampling, indicated step outs were necessary. New perimeter decision units were proposed to DTSC and EPA on June 3. Concurrence was received on June 4, and sampling completed on June 12, 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. A summary letter documenting the effectiveness of various controls used during the December MFA pilot study and waste disposal documentation was submitted to DTSC on May 6, 2019. DTSC issued a comment letter on June 3, 2019, and UC Berkeley submitted the final documentation on June 25, 2019.

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

- Due to schedule conflicts, the July monthly meeting with DTSC was cancelled.
- Lab results from the perimeter decision unit sampling at the EPA North Meadow (item a, second bullet), indicated further step outs were necessary. Additional perimeter decision units were proposed to DTSC and EPA on July 8. Concurrence was received on July 9, and sampling is scheduled for the week of July 15th.
- Round 11 of RFS groundwater elevation measurements and sampling was completed April 1 through 8, 2019. This completed the groundwater sampling for the 2018-19 report. A draft report on the sampling will be submitted in July 2019.
- Draft plans and specifications for the MFA will be updated to include various controls from the December 2018 MFA pilot excavation. It is anticipated the draft plans and specifications will be submitted to DTSC for review and approval in July 2018. The removal action is planned for January 2020.
- An application for a risk-based PCB cleanup for the Corporation Yard and B150 Transformer Area Removal Action Workplan excavation areas was submitted to EPA 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 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. Step-out soil sampling in portions of the Corporation Yard as a follow-up to the December 2017 site inspection was completed during the week of January 16, 2018. On September 11, 2018, B120 concrete floor was sampled 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. Sampling results were submitted to EPA and DTSC on October 31, 2018. A draft sampling plan to address follow-up sampling activities at the Corporation Yard for residual PCBs will be submitted in July 2019.

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held August 8, 2019.
- A site visit with DTSC for the five-year review of the 2014 Final Removal Action Workplan, Richmond Bay Campus, Research, Education, and Support Area within the Former Richmond Field Station Site will occur August 15, 2019 at the Richmond Field Station.
- Following receipt of the EPA North Meadow sample data, the plans and specifications will be submitted to DTSC and EPA for review and approval. The removal action is planned for fall 2019.
- Upon approval of the Corporation Yard sampling plan (item b, 5<sup>th</sup> bullet), it is anticipated the sampling event will occur in August 2019.

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.