

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

- On October 10, 2019 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- Annual dry season groundwater elevations were collected October 1, 2019 in coordination with environmental consultants monitoring wells at the neighboring Campus Bay site.
- Draft plans and specifications for the MFA were updated to include various controls from the December 2018 MFA pilot excavation. The draft specifications were submitted to DTSC on September 12, 2019. DTSC provided comments on September 20, 2019. The proposed confirmation sampling plan, updated mercury cleanup level calculations, and rationale regarding soil samples above the current cleanup level was submitted to DTSC for review on October 21, 2019. The removal action is planned for January 2020.
- On October 28, 2019 Soil Management Plan Form A was submitted to DTSC for excavation of a bio-retention stormwater management area as part of the construction of the fourth phase of the Northern Regional Library Complex. Form B and a sampling plan will be submitted later this year, and it is anticipated the sampling will take place in December 2019.

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

- On November 14, 2019 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- The draft annual groundwater monitoring report for 2018-19 was submitted to DTSC on August 2, 2019. DTSC provided a comment letter on September 23, 2019 requesting the appendix of well monitoring issues identified and corrective actions taken within 45 days. On November 7, 2019 the requested appendix was submitted to DTSC.
- UC Berkeley staff completed the removal of overgrown vegetation in the Bulb and Western Transition Area in October 2019 in preparation for the Phase V field activities in November. Starting November 6 and concluding November 13, 2019, field activities for the Bulb and Western Transition Area were completed. Thirty-eight potholes were excavated, sampled, and backfilled in the Bulb area. Sampling results are expected in late November. Based on the field sampling plan, archived samples will be analyzed following review of the initial samples with DTSC and EPA.

- 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 was submitted on July 30, 2019. EPA provided comments on July 30, 2019, and on August 28, 2019, DTSC approved the sampling plan providing comments from EPA were addressed. A revised sampling letter was submitted on August 29, 2019, and EPA approval was received on September 3, 2019. Corp Yard data gap sampling occurred September 25-30, 2019. A sampling results letter will be submitted to DTSC and EPA in November.

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held December 12, 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 was completed on June 12, 2019. Lab results from the step-out perimeter decision unit sampling 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 was completed on July 19th. An arborist has provided consult on the excavation, and will delineate the tree drip-line as the recommended excavation boundary. Draft plans and specifications will be submitted to DTSC and EPA for review and approval in December.
- 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 occurred August 15, 2019 at the Richmond Field Station. At the September 12, 2019 monthly DTSC meeting, it was confirmed that there has been no change in the habitat areas at the RFS. On August 30, 2019, a public notice for the five-year review of the RAW was published in the West County Times. Email correspondence from DTSC on September 19, 2019 confirmed that there was no change observed in habitat areas during the August 15th site visit. The Five-Year Review report will be submitted to DTSC in December 2019.

- Upon the approval of the EPA North Meadow plans and specifications, the project will be scheduled for winter 2019-20.

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.