

**UNIVERSITY OF CALIFORNIA, BERKELEY**  
**RICHMOND BAY CAMPUS**  
**RICHMOND FIELD STATION SITE**  
**MONTHLY SUMMARY REPORT**  
**March 16, 2020**

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 2020).

- On February 13, 2020 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- Phase V Field Sampling Plan investigations for the Bulb, Western Transition Area, and EPA South Meadow were completed November 6 - 13, 2019. Thirty-eight potholes were excavated, sampled, and backfilled throughout the areas, per the final sampling plan. PCB sampling results were received in January. A draft analysis of the results, and a proposal of archived samples to analyze was provided to EPA and DTSC via email on February 7, 2020.

b. Actions expected to be undertaken during the current calendar month (March 2020).

- On March 12, 2020 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- The Mercury Fulminate Area removal action described in the July 2014 RAW, and updated in the October 21, 2019 Excavation Update Summary, began on January 7, 2020 and was completed on January 28, 2020. Approximately 1,900 cubic yards of mercury contaminated soil was disposed of offsite. Waste water pumped from the excavations soil were disposed of offsite. All remaining cubic yard boxes of mercury contaminated soil were transported offsite for disposal on February 21, 2020. Final site finishing activities, including placement of woodchips over disturbed areas will be completed this month. A permanent fence replacing 100ft of temporary fencing along the external boundary of the MFA will be installed in April. The draft removal action summary report will be completed in spring 2020.
- UC Berkeley issued the Final Phase V Sampling Results Technical Memorandum, Western Stege Marsh to DTSC on October 15, 2018 and held a multi-agency meeting on November 28, 2018 to review and discuss the report findings. In response to questions regarding the rail population in Western Stege Marsh, UC Berkeley is completed three active rail surveys prior to better understand the stability and viability of the rail population. The first two field surveys were completed in February, and the final survey was completed in March. A report summarizing these findings will be prepared in spring 2020.

c. All planned activities for the next month (April 2020)

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held April 9, 2020.
- On October 28, 2019 Soil Management Plan Form A was submitted to DTSC for the 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 approach were submitted on November 21, 2019. DTSC provided comments on the sampling approach on November 25, 2019, and a revised approach was submitted December 3, 2019. The revised approach was approved March 13, 2020. It is anticipated that the sampling will be completed in April 2020.
- 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 provided consult on the excavation on March 10, 2020, and will delineate tree driplines. Draft plans and specifications will be submitted to DTSC and EPA for review and approval in April.
- Piezometer MFA was deconstructed on December 24, 2019, in order to allow for the excavation of the mercury-impacted soils adjacent to the piezometer in January 2020. A letter describing the deconstruction was submitted to DTSC on November 26, 2019. The deconstruction activities consisted of drilling out the piezometer with a hollow-stem auger drill rig. The event was conducted under the oversight of the Contra Costa County Environmental Health Department. UC Berkeley will provide a recommendation to DTSC to replace the deconstructed piezometer MFA at the original location.
- 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. The Five-Year Review report was submitted to DTSC on December 31, 2019. It is anticipated that DTSC comments on the Five-Year Review will reviewed and addressed in April.
- Archived samples collected during the November 2019 Phase V Western Transition Area potholing investigation will be analyzed in April in accordance with the field sampling plan 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. The application was approved by EPA on September 1, 2017. The Corporation Yard removal action was completed from October 10, 2017 to November 1, 2017 after which the excavation areas were lined with filter fabric and filled with clean soil. Step-out soil sampling in portions of the Corporation Yard 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. Additional data gap sampling for residual PCBs was completed September 25-30, 2019. The data gap sampling results letter was submitted to DTSC and EPA on November 22, 2019. Continue activities within the Corporation Yard following resolution of discussions between DTSC and EPA.

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.