

**UNIVERSITY OF CALIFORNIA, BERKELEY**  
**RICHMOND BAY CAMPUS**  
**RICHMOND FIELD STATION SITE**  
**MONTHLY SUMMARY REPORT**  
**November 15, 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 (October 2018).

- On October 11, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- On March 20, 2018 a sampling plan for the B120 concrete floor was submitted to DTSC 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. DTSC issued a comment letter on the B120 floor sampling plan on May 7, 2018 and a revised sampling plan was submitted on August 15, 2018. DTSC sent an approval letter August 17, 2018, and the concrete sampling was completed on September 11, 2018. The sampling results were submitted to DTSC on October 31, 2018.

b. Actions expected to be undertaken during the current 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.
- On January 18, 2017 sediment and porewater sampling was completed in Western Stege Marsh as implementation of the marsh sampling portion of the Field Sampling Plan Phase V (FSP V), approved by DTSC on January 17, 2017. The Draft Phase V Sampling Results Technical Memorandum Western Stege Marsh on the findings of the sampling was submitted to DTSC on July 27, 2017 and on December 21, 2017 DTSC issued a comment letter. On January 31, 2018 UC staff met with DTSC and EPA eco-risk assessors and other staff to discuss the results of recent and historic marsh sediment and porewater samples. On February 28, 2018 draft Response to Comments (RTCs) on the DTSC comment letter were submitted to DTSC. On June 7, 2018 DTSC issued a comment letter on the draft RTCs requiring reporting revisions to the report in 30 days. Based on discussion with DTSC, a redline version and RTCs on the June 2018 DTSC comment letter were submitted to DTSC on August 2, 2018. DTSC issued a conditional approval letter on September 27, 2018, and the final report will be submitted to DTSC in October. DTSC provided approval of the final report in a letter dated September 27, 2018. UC Berkeley issued the report on October 15 and is coordinating a November 2018 multi-agency meeting to discuss the report.

- 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 November. The removal action is planned for early spring 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 and it is anticipated that a revised letter will be completed in November 2018.

c. All planned activities for the next month (December 2018)

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held December 13, 2018.
- In June 2018 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 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. It is anticipated the work for the pilot study will be completed in early to mid-December 2018, pending dry weather conditions.
- The draft Plans and Specifications for MFA planned removal action will be completed following the completion of the proposed pilot study. The draft Plans and Specifications will be submitted to DTSC for review and approval.
- 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). It is anticipated that a response to DTSC comments will be submitted in December 2018. It is anticipated that the groundwater monitoring report for 2017-18 will be finalized in December upon 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.