

UNIVERSITY OF CALIFORNIA, BERKELEY
RICHMOND BAY CAMPUS
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
February 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 (January 2019).

- The monthly meeting between DTSC and UC Berkeley staff was canceled for the month of January.
- On January 17, 2019 a revised three-year schedule was sent to DTSC with a request to postpone the Mercury Fulminate Area removal action to the winter of 2019. This allows for UC Berkeley to implement effective controls to minimize or eliminate mercury vapor emissions, as evaluated in the December 2018 MFA pilot study.
- 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, a waste profile proposal was sent to the receiving landfill for review.

b. Actions expected to be undertaken during the current 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.
- 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 February. The removal action is planned for early spring 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. Upon DTSC approval of the RTCs, it is anticipated the final report will be submitted in February.
- Soil contained in lined-cubic yard boxes from the December Mercury Fulminate Area Pilot excavation has been profiled for off-site disposal. Profiles have been approved and it is anticipated that the soil will be removed in late February.
- 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 February or early March.
- On February 12, 2019, DTSC approved revision of the three-year schedule requesting postponement of the Mercury Fulminate Area removal action to the winter of 2019, as described in section (a).

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held March 14, 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. Upon DTSC approval, the Northwest Meadow will be sampled in March 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.