

UNIVERSITY OF CALIFORNIA, BERKELEY
BERKELEY GLOBAL CAMPUS AT RICHMOND BAY
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
April 16, 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 (March 2018).

- On March 8, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- Sampling plans to complete two miscellaneous sampling activities were submitted in March 2018. These activities are sampling soil in the Northwest Meadow for ecological risk assessment, submitted March 29, 2018, and sampling the concrete floor in B120 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, submitted on March 20, 2018.
- Based on discussion at the February 8, 2018 monthly meeting, on March 23, 2018 UC submitted a sampling plan for additional subsurface investigations at the Mercury Fulminate Plant Area (MFA) to refine excavation areas for the removal action described in the July 2014 Removal Action Workplan.

b. Actions expected to be undertaken during the current calendar month (April 2018).

- Round 10 of RFS groundwater sampling began with groundwater elevation measurements on April 2, 2018, followed by completion of sampling of wells during that week.
- A draft sampling plan for characterization of PCBs in the EPA North Meadow soil piles, as a follow-up to findings in the Field Sampling Plan Phase IV investigations, was submitted to DTSC and EPA and approved in October 2017. The sampling was completed on November 14 and 15, 2017. A follow-up sampling of soil accumulated on top of two catch basin inlets at the south end of the meadow was completed on December 14, 2017. The sampling report on these events was submitted on February 28, 2018. On April 3, 2018 DTSC sent a response letter to the February 28, 2018 report. It is anticipated that a response to the DTSC comments will be submitted in April 2018. UC will coordinate with DTSC and EPA on completion of a proposed soil removal action to excavate PCB contaminated soil off-site later in 2018.
- On April 12, 2018 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.

- On January 26, 2018 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 was submitted on March 12, 2018. A revised report responding to EPA's March 13, 2018 comments will be submitted in April 2018.
- An application for a risk-based PCB cleanup for the Corporation Yard and B150 Transformer Area Removal Action Workplan excavation areas was submitted to U.S. EPA Region 9 TSCA office on 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 designed to excavate twelve PCB and non-PCB areas described in the July 2014 Removal Action Workplan (RAW) and August 2017 application 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 Workplan (RAW) to assess final requirements for signage and fencing. Covered and lined roll-off bins containing soil from the Corporation Yard and B150 Transformer Area RAW implementation were shipped to permitted off-site disposal facilities at the end of December 2017. Step-out soil sampling in portions of the Corporation Yard as a follow-up to the December 19, 2017 site inspection by EPA and DTSC staff was completed during the week of January 16, 2018. The remaining six cubic yard boxes of TSCA PCB waste were shipped for off-site disposal on February 2, 2018. A fencing plan for the excavation areas was submitted February 20 and approved by DTSC and EPA on February 21, 2018. Fencing installation will be completed in April 2018. A Yellow Jacket storm drain filter was placed in the B185 drop inlet on March 8, 2018. It is anticipated that a draft report on these activities will be submitted in April 2018.
- 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. It is anticipated that a report on the implementation of the marsh sampling portion of the Field Sampling Plan Phase V (FSP V) will be finalized in April upon approval of the RTCs. Following completion of the report a multi-agency meeting will be scheduled in the near future to discuss the findings and determine any future actions needed.
- The draft annual groundwater monitoring report for 2016-17 was submitted to DTSC on September 15, 2017. The final report was submitted on March 14, 2018 with edits based on the December 18, 2017 DTSC comment letter. DTSC sent an approval letter for the report on April 9, 2018, which also requires an amendment to the *Proposed Continued Groundwater Monitoring Locations for 2016* that includes the table of piezometers that will be sampled beginning in 2018. A separate letter with this amendment will be submitted to DTSC in April 2018.

- Based on discussion at the February 8, 2018 monthly meeting, on March 23, 2018 UC submitted a sampling plan for additional subsurface investigations at the Mercury Fulminate Plant Area (MFA) to refine excavation areas for the removal action described in the July 2014 Removal Action Workplan. On April 9, 2018 DTSC sent a comment letter on the sampling plan. Based on discussion on April 13, 2018, UC will submit a final sampling plan in April, 2018. The field sampling plan will be implemented as soon as a driller can be scheduled and upon approval of the sampling plan by DTSC, probably in May 2018.
- It is anticipated that the two miscellaneous sampling activities, soil sampling in the Northwest Meadow for ecological risk assessment and B120 concrete sampling, will be completed in April 2018.

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held May 10, 2018.
- It is anticipated that additional subsurface investigation at the Mercury Fulminate Plant Area will be conducted in May 2018 and that plans and specification will be completed soon after the field sampling results are obtained.

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.