UNIVERSITY OF CALIFORNIA, BERKELEY
RICHMOND BAY CAMPUS
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
February 14, 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 (January 2020).

- On January 9, 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. A draft report on the removal action is anticipated to be completed in the spring of 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. Initial site finishing activities, including reconstruction of the road through the MFA, were completed.

- 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 an appendix listing well monitoring issues identified and corrective actions taken be provided within 45 days. On November 7, 2019 the requested appendix was submitted to DTSC. DTSC approved Appendix E on December 30, 2019. The final report was submitted to DTSC on January 31, 2020.

b. Actions expected to be undertaken during the current 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. Archived samples will be analyzed in accordance with the field sampling plan following review of the initial samples with DTSC and EPA.

- Remaining mercury contaminated soil in lined cubic yard boxes from the Mercury Fulminate Area RAW implementation are scheduled to be removed in late February. Final site finishing consisting of placement of wood chips over all areas but the road is expected to 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 performing three active rail surveys prior to March 15, 2020 to better understand the stability and viability of the rail population. The first field survey was completed in February. A report summarizing these findings will be prepared in spring 2020.

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

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held March 12, 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 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 March.

- 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.

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.