UNIVERSITY OF CALIFORNIA, BERKELEY
RICHMOND BAY CAMPUS
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
February 16, 2021

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 2021).

- On January 14, 2021 UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.

- 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. Following meetings with DTSC and EPA to discuss the data gap sampling results on May 8 and 22, 2020, UC Berkeley submitted a Corporation Yard Triplicate Sampling Approach letter to both agencies on June 3, 2020. DTSC and HERO comments were provided on the sampling approach on June 18, 2020. A revised letter was submitted to DTSC on July 16, 2020. UC Berkeley received formal comments from DTSC and HERO on October 27, 2020, and provided a response, including updated comments on sampling approach, back to DTSC on November 6, 2020, and followed-up with a more detailed response on December 18, 2020. On January 19, 2021, EPA provided concurrence with the sampling approach via email, and DTSC issued a letter approving UC Berkeley's proposed sampling and analysis approach.

b. Actions expected to be undertaken during the current calendar month (February 2021).

- 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 19. Draft plans and sheets were submitted to DTSC and EPA for review and approval on June 9, 2020. Comments were received from EPA and DTSC on June 9 and June 17, 2020, respectively. On June 24, 2020 a meeting was held with EPA and DTSC to discuss the confirmation sampling strategy for this removal action. A Notice to Proceed has been issued to the successful contractor (ACT Enviro). DTSC issued a Work Notice prior to the removal action, which commenced on November 9, 2020, with all soil removal completed on December 3, 2020. UC Berkeley provided DTSC and EPA project updates on a regular basis and posted air monitoring data to the RFS Environmental website. This removal action is now complete, with post-construction stormwater pollution control measures completed in early February 2021.

- 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 and 4,125 gallons of waste water were disposed of offsite. Final site finishing activities, including placement of woodchips over disturbed areas and graveling of a dirt ramp, were completed in April 2020. A permanent fence replacing 100 ft of temporary fencing along the external boundary of the MFA was installed on May 8, 2020. UC Berkeley and DTSC conducted a virtual site walk of the MFA on August 6, 2020. During the site walk, DTSC concurred that the piezometer MFA removed during the removal action would be replaced within 10 feet of the original location. The electronic draft removal action summary report was submitted to DTSC on September 30, 2020; the hard copies delivered on October 8, 2020. On October 27, 2020, DTSC provided a comment letter on the removal action summary report. UC Berkeley anticipates providing a response letter back to DTSC in February 2021.

- On December 31, 2019 a Five-Year Review report of the 2014 Final Removal Action Workplan, Richmond Bay Campus, Research, Education, and Support Area within the Former Richmond Field Station Site was submitted to DTSC on December 31, 2019. On March 30, 2020, EPA provided comments. DTSC provided comments on October 29, 2020. It is anticipated all comments on the Five-Year Review will reviewed and addressed in February 2021.

- Piezometers B278 and CTPS were properly abandoned on September 18, 2020, in preparation of the soil excavation activities at the EPA North Meadow, to be conducted in October 2020. A letter describing the deconstruction and replacement piezometers was submitted to DTSC on August 27, 2020. Questions received from DTSC via email the same day were addressed in a revised letter submitted on September 1, 2020. The replacement piezometers B278-R and CTPS-R well are expected to be installed in February or March 2021, depending on driller availability, following completion of the soil removal action, and the piezometers will be developed along with MFA-R at least 2 days following installation.

- Waste profile samples were collected on July 9 from five existing soil piles. Based on the analytical results, levels for all soil piles are below SMP Category 1 screening criteria. Soil from four of these piles was transported and placed at the EPA North Meadow project as clean fill in early February 2021. The remaining soil will be placed at a location to be determined. Once a final on-site re-use location has been determined for the remaining pile,

UC Berkeley will provide DTSC a summary letter providing sample results and identifying these locations.

c. All planned activities for the next month (March 2021)

- DTSC meetings will now be held on a quarterly basis. The next meeting with DTSC to provide project updates and to coordinate anticipated activities will be held April 8, 2021.

- Phase V Field Sampling Plan investigations for the 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. A meeting with EPA and DTSC to review proposed archived samples was held on April 14, 2020, and DTSC provided additional archive samples to be analyzed via email on April 15, 2020. Archived samples were sent to the lab to be analyzed in accordance with the field sampling plan and consistent with comments received from EPA and DTSC. Results were compiled into a summary letter, which also included a proposed scope for additional direct-push explorations to define the extent of an oily product layer identified in the November 2019 pothole investigation, as well as discrete soil samples to help delineate PCB contamination identified at the eastern edge of the project area. UC Berkeley provided DTSC and EPA the summary letter on October 16, 2020. Comments were received from DTSC on January 8, 2021. On February 4, UC Berkeley met with DTSC and EPA to discuss next steps with regard to WTA investigation, agreeing that a primary next step is to develop the site conceptual model, including ecological screening levels for PCBs in soils in this area. UC Berkeley will submit a proposal to DTSC and EPA to develop these screening levels, with an expected delivery in March 2021.

- 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 completed three active rail surveys in winter and early spring 2020 to better understand the stability and viability of the rail population. Additional passive surveys were conducted April through July, 2020. A draft report was prepared for UC's review in September 2020, with a revised draft provided in December 2020. UC Berkeley expects the report to be finalized and provided to agencies on January 22, 2021. UC Berkeley will plan to convene a stakeholder meeting in March or April 2021.

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.