

UNIVERSITY OF CALIFORNIA, BERKELEY
BERKELEY GLOBAL CAMPUS AT RICHMOND BAY
RICHMOND FIELD STATION SITE
MONTHLY SUMMARY REPORT
August 17, 2015

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 (July 2015).

- On July 9, 2015, UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- On July 9, 2015 DTSC provided comments to ARCADIS on the April 9, 2015 report *2014 Groundwater Sampling Results, Vicinity of the Biologically Active Permeable Barrier, University of California Berkeley Global Campus at Richmond Bay, Richmond, CA*. Based on the review, environmental consultants for Zeneca will incorporate sampling of the wells into the ongoing semi-annual groundwater sampling of the Campus Bay site.
- UC Berkeley initiated background reviews and scoping activities for the FSP Phase V activities in July.
- On April 1, 2015, water levels were collected from all RFS Site wells in coordination with the well elevation measurements at the neighboring Campus Bay site. During the second and third weeks of April, annual groundwater monitoring at a subset (40) of the 50 shallow piezometers, as described in the December 12, 2012 *Final Phase I November 2010 through April 2012 Groundwater Sampling Results Technical Memorandum*, was completed. The Draft Groundwater Monitoring Report was submitted on July 25, 2015, describing the results of FSP I, Round 7 groundwater monitoring completed in April 2015 along with a description of maintenance activities completed in June 2015. The groundwater sampling meets the selected remedy requirements for ongoing groundwater monitoring, as described in the *Final Removal Action Workplan, Research, Education, and Support Area and Groundwater within the Former Richmond Field Station Site*, dated July 18, 2014.

b. Actions expected to be undertaken during the current calendar month (August 2015).

- On August 6, 2015 a pre-bid job walk was held to obtain bids from prequalified hazardous materials contractors for completion of the work described in the Plans and Specifications for

the Removal Action Workplan for the Corporation Yard and PCB Transformer locations. Bids are due from contractors on August 25, 2015.

- On August 7, 2015, UC Berkeley received comments from DTSC regarding the Draft Phase IV Sampling Results Technical Memorandum, dated June 5, 2015. UC Berkeley will provide a draft response-to-comments to DTSC for review prior to preparing the final document.
- On August 12, 2015 the Final Plans and Specifications for the Corporation Yard and PCB Transformer locations was submitted to DTSC including review by the California State Fire Marshal (provided by the campus Fire Marshal).
- On August 13, 2015, UC Berkeley staff conducted its monthly meeting with DTSC to provide project updates and to coordinate anticipated activities.
- On August 13, 2015 the Draft RFS Site Ambient Technical Memorandum was submitted to DTSC. The memorandum provides a weight of evidence approach, including statistical analyses of all upland soil samples collected at the RFS, which demonstrates that concentrations of aluminum, cobalt, nickel, and manganese found in soil samples represent ambient metal content in the soil and are not due to known sources of contamination. The study will be used to update Soils Management Plan screening levels in the annual update expected to be completed upon DTSC's review and concurrence of this technical memorandum.

c. All planned activities for the next month (September 2015)

- The next monthly meeting with DTSC to provide project updates and to coordinate anticipated activities will be held September 10, 2015.
- As a follow-up to Upland meadows sampling as part of Field Sampling Plan Phase IV, it is anticipated that follow-up sampling of soil piles in the EPA North Meadow will be collected in September 2015, pending issuance of a Work Notice by DTSC regarding the planned sampling recommended in the draft summary report. Data from the sampling activity will be included in the Final Phase IV Sampling Results Technical Memorandum.
- It is anticipated that completion of the work described in the Plans and Specifications for the Removal Action Workplan for the Corporation Yard and PCB Transformer locations will be completed by hazardous materials contractors at the end of September or early October 2015.
- UC Berkeley will provide DTSC with a proposed update to the Soil Management Plan, dated July 18, 2014, in September per agreement with DTSC that the plan would be reviewed yearly and updated as necessary. Submittal of the update Soil Management Plan is contingent upon concurrence regarding future screening levels for aluminum, cobalt, manganese, and nickel.

- Preparation of Plans and Specifications for the Removal Action Workplan at the former Mercury Fulminate Area (MFA) will continue with submittal of proposals for sampling and pilot studies needed for plan development in the MFA.
- A draft technical report for implementation of all activities of the Field Sampling Plan Phase IV, including Upland Meadows (soil sampling), Coastal Terrace Prairie carbon tetrachloride source investigation (soil vapor sampling), Magnetic Anomaly Bulb Exploratory Excavation, and marsh edge piezometer installation, was submitted to DTSC on June 8, 2015. On June 1, 2015, a letter report including sampling analyses used for waste characterization was submitted to DTSC in support of a request to re-use five drums of clean soil from marsh edge piezometer installation on-site in an area of coastal prairie restoration in the vicinity of the piezometer installations.

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.