



Central Valley Regional Water Quality Control Board

24 October 2022

AmirSasan Mahjoor
Dept. of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826

Parking Partners III, LLC
3321 Power Inn Road, Suite 100
Sacramento, CA 9582

NOTICE OF TERMINATION FOR R5-2008-0149-038, SACRAMENTO PLATING, 2809 S STREET, SACRAMENTO, SACRAMENTO COUNTY (SLT5S2483287

On 21 February 2012 and revised on 25 November 2014, the Executive Officer of the Central Valley Regional Water Quality Control Board issued to James Costigan, Jr. and the Department of Toxic Substances Control a Notice of Applicability (NOA) under General Order No. R5-2008-0149, Waste Discharge Requirements General Order for In-situ Groundwater Remediation. The NOA and associated Monitoring and Reporting Program (MRP) were assigned site-specific Order No. R5-2008-0149-038. On 18 March 2015, Parking Partners III, LLC acquired the responsibility for environmental cleanup activities associated with the property when they signed a Lien Settlement Agreement with the Department of Toxic Substances Control.


The in-situ pilot-scale treatability study for groundwater remediation consisted of injecting emulsified nutrient solution EHC-L and SDC-9 bacterial cultures into the subsurface to treat hexavalent chrome (Cr6+) and trichloroethylene (TCE) in groundwater. In June 2012, URS Corporation (URS) injected a total of 1,250 pounds of diluted EHC-L mixture into three borings near MW-1. In December 2014, URS injected an additional 2,400 gallons of diluted EHC-L (1:5 mixture of EHC-L and water) and 18 liters of SDC-9 bacteria into four borings near MW-3. From October 2014 to June 2015, URS monitored groundwater concentrations of Cr6+, TCE and its breakdown products, and dissolved metals in MW-1, MW-2, MW-3, MW-7 (compliance well), and MW-11 (transition well). In the 25 May 2016 EHC-L Pilot Study Report, URS concluded that the injections were effective for remediation of Cr6+ and TCE in the injection areas but noted an increase in both of those compounds in transition well MW-11. URS recommended conducting further investigation of the Site for potential secondary source areas if the concentration of those compounds continued to increase in the downgradient transition and compliance wells. No further remediation efforts were implemented on site.

MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

CSS Environmental Services, Inc (CSS) continued groundwater monitoring of these wells from 2017 to 2021. Both the groundwater monitoring events conducted by URS and CSS did not comply with the required monitoring schedule established in Order No. R5-2008-0149-038. Concentrations of TCE detected in transition well MW-11 during the last sampling event in 2021 were similar the levels measured before the 2014 injection event. The TCE breakdown product cis-1,2-dichloroethylene (1,2-DCE) in MW-11 showed a slight increase since 2014 but remained below the EPA maximum contaminant level (MCL) of 5 micrograms per liter ($\mu\text{g/L}$). The downgradient compliance well MW-7 showed a significant decrease in Cr6+, TCE, and 1,2-DCE since the injection events in 2012 and 2014. Vinyl chloride, the breakdown product of TCE and 1,2-DCE, was not detected in either MW-7 or MW-11. With the exception of chromium and low levels of nickel in MW-11, the concentrations of dissolved metals did not significantly increase in either well as a result of potentially reduced environmental condition. The increase in chromium concentrations observed in MW-11 between 2014 and 2021 is within the acceptable range defined in Order No. R5-2008-0149-038. These results show that groundwater quality in the transition zone downgradient of the injection areas has not been substantially impacted by the discharges from the remediation activities on site. Given the recent groundwater quality data and duration of the monitoring period, Water Board staff determined that termination of the NOA is appropriate.

The Notice of Applicability and MRP requirements under General Order No. R5-2008-0149-038 are hereby terminated as of the date of this letter. If you have any questions, please contact Mitch Messmer at (916) 464-5817 or mitch.messmer@waterboards.ca.gov.

Sincerely,

 Digitally signed by John J. Baum
Date: 2022.10.24 21:08:02 -07'00'

Patrick Pulupa, Executive Officer

cc: Amirsasan Mahjoor, Department of Toxic Substance Control (Email) CIWQS
Program Support Staff (Email)