



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Deborah O. Raphael, Director
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Edmund G. Brown Jr.
Governor

February 25, 2013

Ms Patricia Sullivan, P.E.
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NO FURTHER ACTION DETERMINATION FOR APN 011-012-008, FORMER PG&E MANUFACTURED GAS PLANT SITE, MADERA, CALIFORNIA

Dear Ms. Sullivan:

The Former Madera Manufactured Gas Plant Site consists of a one acre parcel (APN 011-012-008) owned by Pacific Gas and Electric Company (PG&E) at 9th and E Streets in Madera ("the property"), and adjoining areas beneath the City of Madera right-of-way to the north and east of the property. The Department of Toxic Substances Control (DTSC) approved the *Final Onsite Remediation Closure Report for the Former Madera Manufactured Gas Plant Site*, which addressed remediation of the property, on June 28, 2012.

The property was utilized as the location of a manufactured gas plant (MGP) from 1913 until approximately 1930. The MGP was dismantled between 1931 and 1935 when natural gas was introduced into the area. As a result of MGP operations, site soils and soil gas became impacted with wastes characteristic of the process, including polycyclic aromatic hydrocarbons (PAHs), metals and total petroleum hydrocarbons (TPH). PG&E recently remediated the property for future unrestricted use. Approximately 9,700 cubic yards of contaminated soil was excavated from the property and hauled to an appropriate permitted disposal facility. Confirmation soil sampling was conducted, and excavated areas were backfilled and compacted with clean imported fill soil.

A post-remediation health risk assessment was performed to determine that the removal action restored the property to a condition that is protective of a future unrestricted land use scenario. Groundwater was not included and is not believed to be a media of concern. Three former groundwater monitoring wells have been properly abandoned, and the post-remediation soil sampling analytical results do not appear to warrant further groundwater monitoring. The cumulative cancer risk to future onsite residents from residual soil and soil gas contamination on the property is 3.6×10^{-7} , which is below the lower end of the acceptable risk management range of 1×10^{-6} to

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1×10^{-4} . The non-cancer hazard index from the same media is 0.45, which is below the acceptable hazard index of 1.0.

A Removal Action Workplan for the project was approved by DTSC on May 2, 2011. The removal action took place during the summer and early fall of 2011, and on June 28, 2012, DTSC approved the Onsite Remediation Closure Report. There is still residual arsenic contamination of soils to the north and east of the property beneath the City of Madera right-of-way. This is being addressed under separate cover.

Based on the data contained in the approved Onsite Remediation Closure Report and the associated Post Remediation Human Health Risk Assessment, DTSC determines that **no further action** is necessary at the property (APN 011-012-008). Additional measures need to be implemented to certify the entire "site," which includes the impacted areas beneath the City of Madera's right-of-way. As with any real property, if previously unidentified hazardous substances are discovered, additional assessment, investigation and/or cleanup may be required.

Please contact Jeff Gymer at (559) 297-3907 or at jeff.gymer@dtsc.ca.gov if you have any questions regarding this matter.

Sincerely,



Kevin Shaddy, P.E.
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