



Matt Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Deborah O. Raphael, Director
1515 Tollhouse Road
Clovis, California 93611



Edmund G. Brown Jr.
Governor

June 27, 2012

Ms. Patricia Sullivan
Senior Engineer
Pacific Gas and Electric Company
3401 Crow Canyon Road
San Ramon, CA 94583

APPROVAL OF FINAL ONSITE REMEDIATION CLOSURE REPORT, FORMER MADERA MANUFACTURED GAS PLANT SITE, MADERA, CALIFORNIA

Dear Ms. Sullivan:

The State of California Department of Toxic Substances Control (DTSC) has reviewed the June 2012 *Final Onsite Remediation Closure Report for the Former Madera Manufactured Gas Plant* (Report) prepared for the Pacific Gas and Electric Company (PG&E) by AECOM.

The one acre site at 9th and E Streets in Madera was utilized as the location of a manufactured gas plant (MGP) from 1913 until approximately 1930. The plant 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 site for future unrestricted residential use. Approximately 9,700 cubic yards of contaminated soil was excavated from the site 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 site to a condition that is protective of a future onsite residential land use scenario. Groundwater was not included and is not believed to be a media of concern. Three former groundwater monitoring wells have been abandoned, and the post-remediation soil sampling analytical results do not appear to warrant further groundwater monitoring. The cumulative cancer risk to the future onsite resident from residual onsite soil and soil gas is 3.6×10^{-7} , which is below the lower range of the acceptable risk range of 1×10^{-6} . The non-cancer hazard index from the same media is 0.45, which is below the acceptable hazard index of 1.0.

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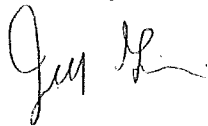
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In conclusion, the removal action at the site was effective in obtaining the goal of returning the site to an unrestricted use. There are some residual arsenic impacts at the northwestern portion of the site, in the City of Madera right-of-way. These impacts are off of the site, but extend to South "E" Street. On April 12, 2012, DTSC and PG&E staff met with Mr. David Tooley, City of Madera Administrator, and Mr. Keith Helmuth, City of Madera Engineer, to address future disturbance of residual soils in the City right of way. Both sides agreed that a "Soil Management Plan" would be appropriate in the event that the City elects to excavate in South "E" Street in the future. Details of a Soil Management Plan will be addressed under separate cover, but need to be addressed prior to issuance of a site certification for the project.

DTSC hereby approves the Report, and as mentioned above, a Soil Management Plan needs to be compiled prior to issuance of a site certification.

If you have any questions regarding this matter, please contact me at (559) 297-3907 or at jgymer@dtsc.ca.gov.

Sincerely,



Jeff Gymer, P.E.
Hazardous Substances Engineer
San Joaquin and Legacy Landfills Office – Cleanup Program

cc: Mr. Keith Helmuth, P.E.
City of Madera
Engineering Department
205 W 4th St
Madera CA 93637

Mr. Luis A. Fraticelli, P.G.
Senior Geologist/ Project Manager
AECOM
2101 Webster Street, Suite 1900
Oakland, California 94612

Ms. Patricia Sullivan
Former Madera MGP
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Mr. E. Essi Esmaili, PhD, RG, CHG
Principal Technical Lead
AECOM
2101 Webster Street, Suite 1900
Oakland, California 94612

Mr. Tedd Yargeau
Senior Hazardous Substances Scientist
Dept. of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311-6505