



COUNTY OF SACRAMENTO
Environmental Management Department
Mel Knight, Director

Bonnie Coleman, Manager
Administrative Services
Raymond E. Hackett, Manager
Environmental Health
Robert A. Knight, Manager
Hazardous Materials

November 3, 1997

Mr. Henry Kroger
Fountain Square
7115 Greenback Lane
Citrus Heights, CA 95621

CERTIFIED NO: P 446 420 898

Dear Mr. Kroger:

**RE UNDERGROUND STORAGE TANK (UST) SITE INVESTIGATION
RIVER RAT, 9840 FAIR OAKS BOULEVARD, FAIR OAKS, CALIFORNIA
SITE CODE: B225**

Pursuant to the request for "closure" by Ramos Environmental Engineering (Ramos, July 31, 1997), I presented the information provided by HSI GeoTrans to Sacramento County's peer review group. Prior to allowing No Further Action (NFA) designation the group wanted:

- 1) The depth to water used in the VLEACH modeling (150 feet bgs) to be verified by using the known depth to water at the intersection of Sunrise and Fair Oaks Bl. (50-55 feet bgs) corrected for the change in elevation between the sites.
- 2) Data acquired during the tank and line removal to be included in the VLEACH modeling,
- 3) Data acquired during the tank and line removal to be included in the RBCA modeling,
- 4) Proper destruction of the vapor extraction wells.

Based on a review of the USGS *Citrus Heights* 7.5 minute Quadrangle for the relative elevation differences, it appears that using 150 feet as the depth to water beneath this site is reasonable.

Sacramento County added the missing data to the VLEACH input files (provided by HSI GeoTrans) and reevaluated the potential for the residual hydrocarbons to impact groundwater. The maximum modeled impact (at 100 years) did not exceed the water quality goal of 1 ug/l.

Sacramento County used the GSI spreadsheet of the ASTM RBCA. The shallow data from the UST line data and the borehole data were used to assess the "risk" associated with ambient air exposure at a commercial facility and typical construction worker exposure. Neither was found to be at significant (1×10^{-6}) additional cancer risk.

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Therefore, based on the list of concerns raised by the peer review group and the subsequent work performed on your behalf, **Sacramento County can provide NFA designation once the vapor extraction wells have been properly destroyed.** Please do not hesitate to call me at (916) 386-7061 if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dana W. Booth', is written over a circular stamp or mark.

Dana W. Booth, R.G.
Hazardous Materials Specialist III

DWB:lf

c:	Ms. Laura Marshall	(Ramos Environmental Engineering)
	Ms. Gail Bakker, R.G.	(HSI GeoTrans)
	Mr. James Brathovde	(Central Valley Regional Water Quality Control Board)

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MR HENRY KROGER
FOUNTAIN SQUARE
7115 GREENBACK LANE
CITRUS HEIGHTS CA 95621

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P 446 420 898

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PS Form 3811, December 1994

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P 446 420 898

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