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260 Cristich Lane
Campbell, CA 95008

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OUTLINE AND PROPOSAL FOR INITIALIZING SITE REMEDIATION

SUBMITTED TO:

Alameda Dept. Health Care Services
Dept. of Environmental Health
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621

WORK TO BE PERFORMED AT:

East Bay Packing Co.
208 Jackson Ave.
Oakland, CA

Attn: Dennis J. Byrne - Hazardous Materials Specialist

November 1, 1990

208 Jackson St, Page 1 of 2

The following is a proposal to remediate groundwater contamination found in a monitoring well located at the subject site in Oakland, California. The well in question (MW-1) was installed near the previous location of an underground fuel tank. Based on the evaluation of data gathered by GET during the removal of the tank and subsequent laboratory testing, we assume that the contamination found in the groundwater from MW-1 was the result of overspillage and is probably limited to the immediate surrounding area. This being the case, we would initially recommend attempting a simple "pump and treat" type of approach. The following method is hereby proposed to initiate the clean-up:

SCOPE OF WORK

1. Excavate an area directly surrounding MW-1 about six feet in diameter and down to a depth of about 24 to 36 inches below the water table. Allow the large cavity well to develop to the standing level of the groundwater.
2. Pump the water from the well into a holding tank (or standby tanker) located on-site until the well is "dry". Allow the well to re-develop and repeat the process numerous times.
3. Provide periodic on-site sample testing (screening) until the traces of contamination have been removed. *how?*
4. Provide laboratory testing at a State Certified facility and test for TPH Diesel, TPH Gas, and BTEX to prove that the water in the recovery well has been (decontaminated.) *how?*

November 1, 1990

208 Jackson St, Page 2 of 2

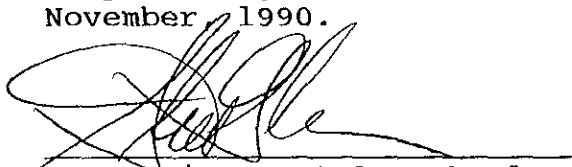
5. Dispose of the contaminated water in the holding tank at a TSD facility, or (biologically treat the water on site to levels below detection limits and released to the storm sewer (by permit from the RWQCB).
- (6.) Re-permit and reinstall MW-1 groundwater monitoring well.
7. Provide ongoing quarterly well monitoring to the satisfaction of the Regional Water Quality Control Board. (The minimum will probably be four quarters).
8. Write and submit a Technical Report of the remedial work performed on site. All reports to be certified by a Registered Geologist or Registered Professional Engineer.

CONDITIONS

All work will be properly permitted by the regulating agencies prior to performance and the proposed scope subject to their approval. The work proposed herein is in accordance with acceptable industry standards for initial groundwater treatment. Additional plume definition may be demanded by the RWQCB to clear the site. This could involve installing more water monitoring wells.

The services proposed herein are based on practical and cost effective methodology which are anticipated to be adequate to substantially reduce the groundwater contamination. No warranties are expressed or implied with regard to the effectiveness of the process proposed to render the groundwater free of contamination.

Respectfully submitted for review and approval this 1st day of November 1990.



Geo-Environmental Technology
Stuart G. Solomon, Principal