

GREENSFELDER & ASSOCIATES

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November 6, 2001

County of Alameda
Department of Environmental Health Services
Hazardous Materials Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
Attn: Ms. Eva Chou
Hazardous Materials Specialist

RECEIVED

9:03 am, Aug 02, 2011

Alameda County
Environmental Health

RE: LIMITED SITE ASSESSMENT AT 2415 MARINER SQUARE, ALAMEDA, CA

Per our meeting on October 25, 2001, regarding a letter received from you requesting "Additional Sampling at 2415 and 2425 Mariner Square, Alameda, California", we are submitting the following summary of changes relating to this letter. The italicized text is from your letter.

ITEM 1.

Previous subsurface investigations identified elevated total petroleum hydrocarbons as diesel (TPHd) and motor oil (TPH-mo) as well as lead in soil and/or groundwater. Groundwater monitoring water samples collected in January 2001 from wells MW-5, MW-6A, and MW-10 identified TPHd at concentrations that exceed the Tier 1 Petroleum Hydrocarbon Screening Levels for Saltwater Ecological Protection Zone (SEPZ). .. Please conduct another round of sampling

Per our meeting wells MW-5, MW-6A, and MW-10, with the addition of MW-3 will be developed, and sampled. Groundwater samples will be filtered at Freidman & Bruya Laboratory and analyzed for TPHd using silica gel clean up (EPA Method 8015 Modified), and dissolved total lead (using EPA Method 6020).

ITEM 2.

A paint shed and painting activities took place along the west property line. Groundwater from wells MW-4, MW-6A, and MW-9 should be analyzed for halogenated hydrocarbons (HVOCs) and CAM 17 metals.

Per your email groundwater was previously analyzed for various VOCs one time only. Therefore as requested groundwater from wells MW-4, MW-6A, and MW-9 will be analyzed for halogenated hydrocarbons (HVOCs) (using EPA Method 8260), and lab filtered to be analyzed for dissolved total lead, the primary metal found in paint.

ITEM 3.

Water samples should be collected from the stormdrain outlets along the concrete sheetpile wall.

As discussed the stormdrains will be removed and replaced during the current construction of the multifamily residence. Therefore sample collection has been waived.

ITEM 4.

Inadequate samples were collected within the former tank North Sail facility where former above ground storage tanks were located. Shallow soil samples should be collected at 1.0' to 1.5' below ground surface (bgs) and from 3 to 4 feet bgs from this area.

As discussed the aboveground storage tanks were located on a 6 to 12 inch thick, still intact concrete slab. The site has been assessed and groundwater monitoring has indicated low, decreasing levels of petroleum hydrocarbons detected. This area will not be excavated for building construction, 3 feet of import will be placed in this area to raise the construction level, and the area capped with the building foundation. However the proposed garden will be exposed. Therefore as requested two surface soil samples will be collected within this area at a depth of 0 to 6 inches and analyzed for TPHd, TPH-mo using silica gel clean up, and total lead.

ITEM 5.

PNAs analysis was not performed on shallow soil samples that contained elevated TPHd. Shallow soil samples should be collected in the vicinity of MW-6, MW-10, MS-4, MS-18, MS-19, MS-14, MS-12, and SB-D.

As discussed your concern regarding PNAs was health, not environmental risk, as PNAs are homogenous to this area of Alameda. However excavation will not occur in these areas, therefore the request for PNA analyses has been waived.

ITEM 6.

The structural integrity of the fire wall has not been ascertained. Additional grab groundwater samples should be collected outside of the firewall.

During our meeting upon review of groundwater analytical results collected from 1992 to 2001, samples collected within 10 groundwater monitoring wells and groundwater contour maps did not indicate a deficiency in the walls integrity. Therefore the request for grab water sample collection outside of the wall was waived.

COLLECTION OF SOIL SAMPLES

Soil samples will be collected during site demolition/ construction using an onsite excavator. The surface three-inches of soil will be removed from the worst case odor/discolored soil within the backhoe bucket, and a clean brass sleeve driven into the remaining soil. The soil will be packed tightly into the brass sleeve to eliminate headspace.

The ACEHD will be informed of sample collection date.

SOIL SAMPLE QA/QC

Immediately upon packing a brass sleeve with collected soil, the sleeve will be covered with a Teflon sheet, fitted with plastic caps, sealed with Teflon tape, and labeled with a project number, name of the sampler, and time of sampling. The samples were then placed on ice, for transport to a certified hazardous waste analytical laboratory, under chain of custody, for analysis.

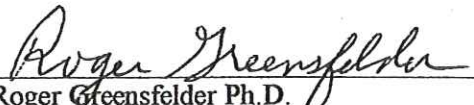
WELL DEVELOPMENT AND SAMPLING

Groundwater monitoring wells will be developed to clean to stabilize the sand, gravel, and aquifer materials around the slots/perforations. Well development will continue until the wells are free of sand, silt, and turbidity, to the maximum extent feasible.

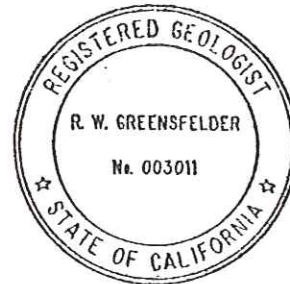
Groundwater parameters, pH, temperature, and conductivity, will be measured and observed to stabilize prior to sample collection. Approximately five (5) well casing volumes of standing water will be removed from each well.

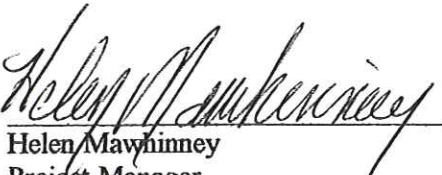
Development water will be placed in a DOT 17, 55-gallon drum for disposal, labeled, and contained pending receipt of laboratory results on groundwater samples.

Sincerely,


Roger Greensfelder Ph.D.
CA Registered Geologist #3011

11/19/01
Date




Helen Mawhinney
Project Manager

11/19/01
Date