

- 9/10/96 Review SCI "Quarterly Groundwater Monitoring" report-dated August 19, 1996. TPHk (C10-C16) and TPHd (C12-C22) were detected in the groundwater sample collected from MW-1, at concentrations of 180 ug/L and 190 ug/L, respectively. Ethylbenzene was detected at a concentration of 26 ppb in MW-1. 1,1-DCE, 1,1-DCA and 1,1,1-TCA were detected at concentrations of 270, 77 and 230 ug/L in the groundwater sample collected from MW-2. 1,1-DCE and 1,1,1-TCA were detected at concentrations of 7.2 and 8 ug/L in the groundwater sample collected from MW-3. Total volatile hydrocarbons (TVH) as gasoline and stoddard solvent (TVHg/TVHss) were detected in groundwater samples collected from wells MW-1 and MW-2, at concentrations of 730/750 ug/L and 110/92 ug/L, respectively.
- 12/4/96 Review SCI ^{TEH} "Quarterly Groundwater Monitoring" report-dated November 26, 1996. TVH, THE, O&G and BTEX were not detected in any of the monitoring well (MW-1, MW-2 and MW-3). Groundwater gradient was reversed from the third quarter event, probably due to tidal influences close to high tide.
- 1/14/97 Draft semi-annual groundwater sampling schedule letter for BC review.

266 Shirley Howkins, 2528 Adeline Street, Oakland, CA 94607

2/26/96 New case from JE/TP. Review file

Transfer site to LOP.

o.k.

Prepare site summary: On or about June 1, 1987, an 1000-gallon (or possibly a 550-gallon) underground storage tank previously containing Great Western Solvent 225 was removed from the property. The soil sample collected from beneath the fill end detected 160 ppm-total fuel hydrocarbons (TFH) and 11 ppm benzene and 11 ppm-toluene. The soil sample collected from beneath the suction end detected 73 ppm-total fuel hydrocarbons (TFH) and 3.6 ppm benzene and 6.3 ppm-toluene.

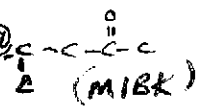
o.k.

On August 4, 1988, a 1000-gallon kerosene UST was removed from the property. Soil samples collected from beneath each end of the UST at a depth of approximately 8.5' below ground surface (bgs) were found to contain non-detectable concentrations (<10 ppm) of total petroleum hydrocarbons as diesel (TPHd). No other analyses were performed on the soil samples collected from the kerosene UST removal.

In order to obtain a closure letter from ACHCSA, Ms. Howkins initiated an environmental investigation of the property by installing three (3) groundwater monitoring wells (MW-1, MW-2 and MW-3) and drilling three (3) soil borings (1, 2 and 3).

23-31-95
2-28-9-95

Laboratory analyses of soil samples collected from the borings detected up to 67,000,000 ppb-barium (boring 2 @ 4.0'), 24,000 ppb-TPHg (boring 2 @ 11'), 41,000 ppb-TPHd (boring 3 @ 2.0'), 200,000 ppb-O&G (boring 3 @ 2.0'), and 60 ppb-4-methyl-2-pentanone (boring MW-1 @ 3.0'). TPH in the stoddard solvent and kerosene ranges were not reported due to overlap of hydrocarbon ranges. In addition, the laboratory reports that the 41000 ppb-TPHk did not resemble the diesel hydrocarbon standard, and the 24,000 ppb-TPHg did not resemble the gasoline standard.



Groundwater samples collected from monitoring well MW-1 detected 730 ppb-TPHg, 310 ppb-TPHk, 5800 ppb-oil and grease, 4.2 ppb-1,1-dichloroethene (DCE), 3.1 ppb-benzene, 39 ppb-toluene, 13 ppb-ethyl benzene and 75 ppb-total xylenes. TPH in the stoddard solvent and diesel ranges were not reported due to overlap of hydrocarbon ranges. In addition, the laboratory reports that the 310 ppb-TPHk did not resemble the diesel hydrocarbon standard. The metals barium and selenium were detected at concentrations of 160 ppb and 11 ppb, respectively, from the groundwater sample collected from MW-1.

Groundwater samples collected from monitoring well MW-2 detected 83 ppb-TPHg, 180 ppb-barium, 62 ppb-1,1-dichloroethane (DCA), 260 ppb-1,1-dichloroethene (DCE), 170 ppb-1,1,1-trichloroethane. TPH in the stoddard solvent ranges were not reported due to overlap of hydrocarbon ranges. In addition, the laboratory reports that the 83 ppb-TPHg did not resemble the gasoline hydrocarbon standard.

The groundwater sample collected from the former well detected 2800 ppb-TPHg, 1600 ppb-TPHd, 37,000 ppb-O&G, 24 ppb-acetone, 49 ppb-toluene, 34 ppb-ethyl benzene, 57 ppb-4-methyl-2-pentanone and 270 ppb-total xylenes. 2-Butanone, benzene and carbon disulfide were detected at concentrations less than the detection limits. Stoddard and kerosene range hydrocarbons were not reported due to overlap of hydrocarbon ranges. In addition, the laboratory reports that the 1600 ppb-TPHd did not resemble the diesel hydrocarbon standard.

This site was never closed nor was it transferred to LOP. This site has impacted groundwater and is no where close to closure.

- 2/27/96 Finish reviewing file and preparing site summary. Site visit to try to find former Great Western Solvent 225 tank location. Spoke with Mr. Rich Sciorino (834-6960) who is leasing the property from Shirley Howkins. Asked him if they could find any information left from previous tenants which would correspond to the time the USTs were in operation, such as operating permits, installation permits, etc. Since this site has been transferred to LOP, I would like to serve NOR letters to all responsible parties. Update Hazmat database for printing NORs.
- 3/18/96 Call from Carlo Mormorooni of F, A & B. Returned call and left message. Call to Sciortino Mfg. - no answer. Need to print NORs.
- 3/21/96 Finally was able to contact CarloMormoruni of F, A &B. I explained that a NOR was forthcoming and that the reason for the delay was to identify previous operators of the UST as Rps. Print NORs and draft sampling schedule letter. NORs sent as well as sampling schedule letter after BC review.
- 4/2/96 Call from CM. Informed him again that the NOR^R letter was a mechanism for billing through the SWRCB. He will also get the wells sampled as soon as possible so we can evaluate the site through RBCA.
- 5/20/96 Voice mail on Fieday from CM. He stated that they can have a copy of the quarterly monitoring report by next week. He wanted to know if he should fax me a copy of the analytical first.
- 6/13/96 Review Subsurface Consultants "Quarterly Ground Water Monitoirng" report-dated 5/23/96.
- 6/17/96 Update site summary. Groundwater data collected for the 4/29/96 sampling event detected highest petroleum hydrocarbon contamination in well MW-1, which is installed in the former UST pit. Chlorinated hydrocarbon contamination was detected at concentrations of 91 ppb (1,1-DCA), 400 ppb (1,1-DCE) and 260 ppb (1,1,1-TCA) in well MW-2, which is upgradient of the UST excavation. Call to Carlo Mormorunni of F, A & B and discussed site, and that the wells would have to be sampled at least two and maybe three additional times.

2/8/96 Evaluated lab reports in the 10/27/95 correspondence. There's no table for this mountain of data.

There are 3 Mws. GW flowed NW on or around 9/19/95. MW1 is located near the former kerosene UST. GW results collected on 4/3/95: 730 ppb TPHg, 310 ppb kerosene range, 5,800 ppb TOG, 3.1 ppb benzene, 4.2 ppb, 39 ppb toluene, 13 ppb ethylbenzene, 75 ppb xylenes, 1,1-DCE, 160 ppb barium, 11 ppb selenium (MW1). **Former well sampled on 3/31/95 had 2,800 ppb TPHg, 1600 ppb TPHd, 37,000 ppb TOG, 4.5 ppb benzene, some TEX and other 8240 compounds.** MW2 and MW3 sampled on 8/15/95: 83 ppb TPHg, ND BTEX, 180 ppb barium, some 8240s (MW2). ND TPHg and BTEX, 62 ppb barium, some 8240s (MW3). ND TOG, TPHd, and TPHmo in both.

Three borings plus MW1 installed on 3/31/95. Soil results collected on 3/31/95: 24 ppm TPHg (2 at 11'), 14 ppm TPHg (1 at 10.5'), 37 ppm TPHd (2 at 4'), 41 ppm TPHd (3 at 2'). TOG in all the borings, ranging from 60 to 200 ppm. Also 4-methyl-2-pentanone in the 4 borings, ranging from 7.5 to 60 ppm. Also metals in soil.

Questions: 1) where was the solvent tank located? Near any of the Mws?
2) how should we oversee this case? LOP? SLIC? Dep Ref? I've already spent a lot of time on it, and would like to get reimbursed in my dailies.

~~7 hr~~ 8

~~Tom, I don't need another case, especially like this. Any ideas? I've summarized the story here. Also, I need to get my time reimbursed (for my dailies)! I've spent a lot of time already!!!~~

JE

JES

Site Summary
2528 Adeline St.
Oakland CA 94607

11/15/95 Reviewed 10/27/95 letter.

telecon w/Bob Campbell (atty for po Shirley Howkins). Told him we need the following:

- 1) lab reports from soil sampling from 6/1/87 Tank removal
- 2) type of UST? Location? Age?
- 3) Why did they analyze barium? Why is the conc so high?
- 4) Where is the rest of the SCI report? At least tabulate the data.
- 5) Site history

Looked thru gen haz mat files. Made copies.

Bob Campbell said that SCI did not write a report. At least get tabulated data. 1.2 hr

I phoned Bay Area Diablo Petroleum at 228-2222. Lm for Ops Mgr Gary Rowe. Several attempts to get him; played phone tag.

11/21/95 spoke w/secretary Renee. She gave message to Gary. Their address is 1001 Galaxy Way, Suite 308, Concord CA 94520

12/11/95 Reviewed 12/5 letter from Bob Campbell. We still need

- 1) lab reports from soil sampling from 6/1/87 Tank removal
- 2) type of UST? Location? Age?
- 3) Why did they analyze barium? Why is the conc so high?

Tc w/Bob Campbell: he will phone Diablo Petroleum. And write them if necessary. I thought they might respond to an attorney's letterhead. .5 hr

2/8/96 Reviewed 2/5/96 letter from Carlo Mormorunni (lawyer). Looks like the substance was in the gasoline range, C8 to C9, (called Great Western Solvent 225; see MSDS) so the TPHg and BTEX analyses were appropriate. Now, they only got 160 ppm TPHg and 11 ppm benzene (under fill end). We have no good site map showing UST location. This must be the "thinner UST" referred to in Tom's 8/26/85 inspection form. A kerosene UST was removed on 8/4/88, and results were ND (Uriah did it).