

1630 Former Chevron Station, 1911 Telegraph Avenue, Oakland 94612

1/3/96 New case from TP. Review "Groundwater Monitoring Report"-dated 11/7/95. Seven (7) wells were sampled (MW-1 through MW-7) and detected 2900/1200 ppb of TPHg/benzene (MW-2) and 260/86 ppb TPHg/benzene (MW-5). EPA Method 8240 chlorinated hydrocarbons TCE, 1,2-DCA, carbon disulfide and PCE were detected at maximum concentrations of 40 ppb (MW-2), 280 ppb (MW-2), 110 ppb (MW-6) and 9.9 ppb (MW-1), respectively. Source wells are MW-2, MW-4 (benzene-4.1 ppb) and MW-5. TPHg and except for the EPA Method 8240 chlorinated organics, the extent of contamination appears to be substantially defined.

Review file and prepare site summary.

Review June 29, 1993 and September 24, 1993 Groundwater contours for initial groundwater monitoring wells MW-2, MW-3 and MW-4. Calculated groundwater flow direction is east-southeast (6/93) and northeast (9/93).

Review Subsurface Consultants, Inc. "Work Plan Soil and Groundwater Investigation"-dated February 7, 1994. Work plan proposes to install three additional monitoring wells (MW-5, MW-6 and MW-7). Site map shows location of a 2-inch diameter well (MW-1), not previously reported. Groundwater measurements for the February 7, 1994 monitoring event show a east-southeasterly flow direction.

Review 2/23/88 Dames & Moore "Soil Sampling" report. Documented soil concentrations remaining in place include 30 ppm-TPHg, 0.51 ppm-benzene, 0.9 ppm-toluene and 1.7 ppm-xylenes at a depth of 16' bg at the north end of Tank C (7000-gallon gasoline). Tank A was overexcavated to a depth of 12' bgs with confirmatory soil sampling results of 2.5 ppm-TPHg and <0.1 ppm-benzene (south end-fill) and 2.6 ppm-TPHg and <0.1 ppm-benzene (north end). Tank B was overexcavated to a depth of 16' bg with confirmatory soil sampling results of <1.0 ppm-TPHg and <0.1 ppm-benzene (south end-fill) and 1.2 ppm-TPHg and <0.1 ppm-benzene (north end). Soil samples collected from 12' below concrete slab below sump inside the garage detected 4.9 ppm-TPHg, 110-TPHd and 0.53 ppm-benzene.

Review 3/23/88 D & M "Site Closure" report. Confirmatory soil sampling results for the waste oil tank at a depth of approximately 16.0-16.5' bgs detected <10 ppm-TPHg and <0.2 ppm-benzene, <0.2 ppb-toluene and <0.2 ppm-ethyl benzene. Groundwater was sampled on 3/4/88, 3/5/88 and 3/6/88 from the monitoring well located approximately 30' NW of area where gasoline storage tanks were removed. Maximum concentrations of TPHg and BTEX detected for the three groundwater sampling events were 3.5 ppm, <0.5 ppb, 2.1 ppb, <0.5 ppb and <0.5 ppb, respectively.

Site summary: Four UST's were removed from the site. Tank A (3000-gallon gasoline), Tank B (5000-gallon gasoline), Tank C (7000-gallon gasoline) and Tank D (500-gallon waste oil) were removed on January 29, 1988. Documented soil concentrations

remaining in place include 30 ppm-TPHg, 0.51 ppm-benzene, 0.9 ppm-toluene and 1.7 ppm-xylenes at a depth of 16' bg at the north end of Tank C (7000-gallon gasoline). Tank A was overexcavated to a depth of 12' bgs with confirmatory soil sampling results of 2.5 ppm-TPHg and <0.1 ppm-benzene (south end-fill) and 2.6 ppm-TPHg and <0.1 ppm-benzene (north end). Tank B was overexcavated to a depth of 16' bg with confirmatory soil sampling results of <1.0 ppm-TPHg and <0.1 ppm-benzene (south end-fill) and 1.2 ppm-TPHg and <0.1 ppm-benzene (north end). Soil samples collected from 12' below concrete slab below sump inside the garage detected 4.9 ppm-TPHg, 110-TPHd and 0.53 ppm-benzene.

Confirmatory soil sampling results for the waste oil tank at a depth of approximately 16.0-16.5' bgs detected <10 ppm-TPHg and <0.2 ppm-benzene, <0.2 ppb-toluene and <0.2 ppm-ethyl benzene.

Groundwater was sampled on 3/4/88, 3/5/88 and 3/6/88 from the monitoring well located approximately 30' NW of area where gasoline storage tanks were removed. Maximum concentrations of TPHg and BTEX detected for the three groundwater sampling events were 3.5 ppm, <0.5 ppb, 2.1 ppb, <0.5 ppb and <0.5 ppb, respectively.

On June 29, 1993 and September 24, 1993 groundwater monitoring was performed for monitoring wells MW-2, MW-3 and MW-4. Calculated groundwater flow direction is east-southeast (6/93) and northeast (9/93).

On February 7, 1994 groundwater monitoring was performed for monitoring wells MW-1 (not previously identified) and wells MW-2, MW-3 and MW-4. Groundwater measurements for the February 7, 1994 monitoring event show a east-southeasterly flow direction.

On October 17, and 18, 1995 seven (7) groundwater monitoring wells (MW-1 through MW-7) were sampled and detected 2900/1200 ppb of TPHg/benzene (MW-2) and 260/86 ppb TPHg/benzene (MW-5). EPA Method 8240 chlorinated hydrocarbons TCE, 1,2-DCA, carbon disulfide and PCE were detected at maximum concentrations of 40 ppb (MW-2), 280 ppb (MW-2), 110 ppb (MW-6) and 9.9 ppb (MW-1), respectively.

- 4/29/96 Calls from/to David Ebeling [(847)286-8600], 333 Beverly Road, Cube A2-163B, Hoffman Estates, IL 60179. Informed him that wells MW-4 and MW-6 should be analyzed for O&G (5520C&F), as well as TPHg and MBTEX.
- 5/8/96 Call from Bridget Baxter of GTI. She wanted to know what EPA Method to use for chlorinated hydrocarbons (water analysis). I told her that the Tri-Regional Guidelines state either 601 or 624. She said that there was a price difference (\$60 for 601, \$125 for 624). I asked her if detection limits were the driving force in the pricing issue. She said that she thought that the 624 analysis used a different analytical instrument and that detection limits were similar. I told her that 601 would be fine.

- 7/22/96 Review Fluor Daniel GTI "Quarterly Groundwater Monitoring and Sampling Report"-dated 7/17/96. Maximum concentrations of TPHg and BTEX were detected in the groundwater sample collected from MW-2, at concentrations of 3600, 890, 7, 56, and 10 ppb, respectively.
- 10/22/96 Review Fluor Daniel GTI "Third Quarter 1996 GWMR"-dated 10/14/96. Maximum concentrations of TPHg and BTEX were detected in the groundwater sample collected from MW-2, at concentrations of 2100, 350, 3, 17, and 10 ppb, respectively. Chlorinated hydrocarbons (PCE, TCE, 1,2-DCA 1,1-DCE and 1,2-DCE) are still being detected in wells MW-1, MW-6 and MW-7 (w/PCE, TCE and 1,2-DCA), and MW-2 (w/1,1-DCE and 1,2-DCE).
- 1/23/97 Review Fluor Daniel GTI "Quarterly GWM and Sampling Report"-dated 1/14/97. Benzene concentrations detected in the groundwater sample collected from MW-7 (the down gradient well), increased from 1.2 ppb on 9/5/96 to 850 ppb on 12/3/96. Draft plume definition letter.
- 1/27/97 Final draft of letter sent.