

Drogos, Donna, Env. Health

Subject: RO494 - 1156 Davis
Entry Type: Phone call

Start: Wed 11/2/2005 9:39 AM
End: Wed 11/2/2005 9:39 AM
Duration: 0 hours

RO494 - 1156 Davis
10/31/05, 1144a, scott robinson, urs, (510) 874-3280
Extension, for 2111, in san leandro
Delays due to H&S, help on off site access

11/02/05, lft msg, contact CW Don Hwang

- 10/7/96 Reviewed EMCON "Soil and Groundwater Assessment Report"-dated September 19, 1996. Draft letter.
- 11/12/96 Reviewed EMCON "revised" risk assessment. Gave to ML for review.
- 1/27/97 Reviewed EMCON "Third quarter 1996 groundwater monitoring results"-dated 12/13/96. Wells sampled 8/9/96, well MW-6 not sampled due to car parked on well box. Laboratory results of groundwater samples collected from well MW-2 revealed TPHg, MTBE and BTEX at concentrations of 2,800, 50, 290, 6, 75 and 320 ug/L, respectively. Laboratory results of groundwater samples collected from well MW-72 revealed TPHg, MTBE and BTEX at concentrations of 14,000, <200, 390, <10, 180 and 470 ug/L, respectively. Laboratory results of groundwater samples collected from wells MW-1, MW-3, MW-4, and MW-5 revealed non-detectable concentrations of TPHg, MTBE and BTEX, with the exception of 8 ug/L of MTBE detected in the groundwater sample collected from well MW-5. Call to John Young of EMCON requesting fax of Worksheet 5.7 of the RBCA risk assessment, for site specific values which were missing. He will fax me a copy.

- 2/26/96 Call from John Young of EMCON stating that the Phase B field work would be performed on Wednesday, Thursday and Friday (February 28th, 29th and March 1st).
- 2/28/96 On site during Phase B field activities and to get my first look at the site. This area is primarily residential, except for the gas station and a 7 Eleven across the street. The apartment/condo buildings next door appear to be downgradient of the petroleum hydrocarbon release as documented by the high levels of TPHg/benzene in MW-2. Therefore, possible receptor scenarios would be soil/and or GW volatilization to outdoor and indoor air. The 1300 ppb benzene detected in MW-2 exceeds the Tier 1 "Soil-Vapor intrusion from Soil to Buildings" exposure pathway for a residential receptor scenario calculated at a cancer risk of 1E-04 (0.16 ppm or 160 ppb). Call to John Young concerning tentative locations of MWs to be installed during Phase B. I suggested that one of the tentative monitoring wells be relocated to an area downgradient of MW-2. This would give us better information for concentrations of benzene which may be migrating in groundwater onto the apartment/condo complex which is to the west south-west of the site. A Tier 2 analysis may be required. Are the apartment/condo buildings next door built on concrete slabs?
- 3/26/96 Review EMCON "Fourth quarter 1995 groundwater monitoring results"-dated March 14, 1996. MW-2 continues to be the source well, with concentrations significantly decreasing from last quarter. Although I received no call from John Young of EMCON, monitoring well MW-5 was located downgradient of well MW-2 and just upgradient from the receptors associated with the Cedar Grove Apartment Complex. Will wait for first quarter 1996 GW monitoring results.
- 7/11/96 Review EMCON "First Quarter 1996 GWMR"-dated 6/3/96. Down-gradient monitoring well MW-2 detected TPHg/benzene at concentrations of 9600/850 ppb and well MW-7 detected TPHg/benzene at concentrations of 32,000/870 ppb, respectively. The First Christian Church/Community Center is directly downgradient of MW-2. Benzene concentrations in GW exceed the Tier 1 RSBL's for the exposure pathway "Groundwater-Vapor Intrusion from Groundwater to Buildings" at a target level of 1E-04 (1 in 10,000) for a residential receptor scenario, and 1E-05 (1 in 100,000) for a commercial/industrial receptor. Draft Tier 2 risk assessment letter. Letter sent after BC review.
- 9/10/96 Call from John Young requesting a postponement for the Tier 2 RBCA assessment to the 27th of September (from the 11th). Call to John Young- left message giving verbal approval.
- 9/12/96 Received letter from John Young documenting the postponement of the Tier 2 RBCA submittal.
- 10/2/96 Received ASTM RBCA Tier 2 risk assessment. Gave to ML to review. Reviewed "Second Quarter 1996 GW Monitoring Results"-dated 9/26/96. Received "Soil and Groundwater Assessment Report"-dated 9/19/96.

744 EMCON John Young 408.453.7300 FX.437.9526
ARCO, 1156 Davis Street, SL 94577

7/14/95 On-site and off-site groundwater characterization proposal review. Proposal includes that four on-site borings will be drilled and converted to groundwater monitoring wells (Phase A). If gasoline is detected in Phase A wells, Phase B will consist of one on-site and three off-site groundwater monitoring wells, four soil-vapor extraction (SVE) wells, and two air-sparge (AS) wells will be installed. The off-site groundwater flow direction will be established based on four quarters of monitoring of the Phase A wells. Depth to groundwater at the site has been reported to be approximately 19' bgs. Depth of borings and subsequent wells will be to a depth of 40' bgs. Phase B consists of additional six On- and Off-Site borings being installed as either monitoring wells or Air-Sparge wells. Four additional soil borings will be located and installed as 4-inch-diameter SVE (vapor extraction)wells.

7/17/95 Letter sent to Mr. Michael Whelan approving EMCON's June 19, 1995 work plan.

9/5/95 Call to John Young, left message.

11/14/95 Review EMCON "Site Characterization" report-dated November 8, 1995. Four borings were advanced and subsequently converted to groundwater monitoring wells (MW-1 through MW-4). Groundwater samples collected from wells MW-1, MW-3 and MW-4 were non-detect for TPHg and BTEX, except for MW-1 which detected 1 ppb-total xylenes. Groundwater sample collected from MW-2 detected 23000 ppb-TPHg, 1300 ppb-benzene, 310 ppb-toluene, 500 ppb-ethyl benzene and 3500 ppb-total xylenes. Groundwater sample collected from MW-3 detected 76 ppb-TPHd (the sample reportedly contains a higher boiling point hydrocarbon mixture quantified as diesel), and 0.6 ppm-total recoverable petroleum hydrocarbons (TRPH).

Soil samples were collected from the borings at approximate 5 foot intervals. All soil samples were non-detectable for TPHg and BTEX except for the soil samples collected from boring MW-2. The soil sample collected from 16.5' bgs detected 2 ppm-TPHg, 0.045 ppm-benzene, 0.027 ppm-ethyl benzene and 0.045 ppm-total xylenes. The soil sample collected from a depth of 19' bgs in boring MW-2 detected 29 ppm-TPHg, 0.26 ppm-benzene, 0.3 ppm-ethyl benzene and 1.5 ppm-total xylenes. The soil sample collected at a depth of 21' bgs in boring MW-2 detected 320 ppm-TPHg, 3.4 ppm-ethyl benzene and 14 ppm-total xylenes. Monitoring well MW-2 is in a downgradient location from the service island and the UST locations. EMCON is awaiting a response from ACHCSA before proceeding with Phase B of the investigation. Call to John Young of EMCON. Draft letter setting sampling schedule and approving implementation of Phase B of work plan.

11/20/95 Review draft of MW schedule letter after peer review.

11/21/95 Final draft of letter after peer review. Letter sent.