

Res 38
(Closed)**Chan, Barney, Env. Health**

From: mberrington@deltaenv.com
Sent: Monday, March 31, 2003 8:28 AM
To: BChan@co.alameda.ca.us
Cc: stka@chevrontexaco.com; jbrownell@deltaenv.com
Subject: RE: 609 Oak St., former Chevron 9-4587

SP-6 was a soil boring for an air sparge well and the concentrations you are referring to were prior to operation of the remediation system (Sept. 1995 to January 1996). If you look at the petroleum hydrocarbon concentrations in groundwater prior to and following remediation, you'll observe a significant decrease in hydrocarbon concentrations in groundwater in the two monitoring wells (C-1 and CR-1) located nearest to SP-6. Benzene and TPHg concentrations in groundwater in C-1 went from 11,000 and 220,000 ppb, respectively in June 1995 to <0.5 and 51 ppb by Dec. 1996. Benzene and TPHg concentrations in groundwater in CR-1 went from 9,400 and 49,000 ppb, respectively in June 1995 to 0.86 and <50 ppb by Dec. 1996. Since the hydrocarbon concentrations in groundwater from C-1 and CR-1 have remained low following remediation, this indicates that source of petroleum hydrocarbons detected in the capillary fringe soil sample collected from SP-6 were effectively remediated and no additional assessment or remediation is necessary.

-----Original Message-----

From: Chan, Barney, Env. Health [mailto:BChan@co.alameda.ca.us]
Sent: Wednesday, March 26, 2003 3:17 PM
To: Mberrington (E-mail)
Subject: 609 Oak St., former Chevron 9-4587

Mike:

I was working on the site/closure summary for this site and came across some data that need some discussion. The soil sample from SP6 from 9.7' depth reported 11,000 ppm TPHg and 160, 1300, 300 and 1600 BTEX, respectively. I understand that this sample was at the capillary fringe, however, it is within the historical range of depth to water and could be considered within the vadose zone. The concentration of benzene is a concern regarding human health risk. How can you justify this sample not needing additional investigation?

Thanks

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