

ENVIRONMENTAL
PROTECTION



Chevron

June 8, 1996

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Mr. Barney Chan
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Marketing Department
Phone 510 842 9500

Re: Former Chevron Service Station 3-0520
Fruitvale Avenue at Foothill Boulevard
Oakland, California

Dear Mr. Chan:

Enclosed is a report prepared by Pacific Environmental Group Inc. and dated May 30, 1966, that gives the results of a soil and groundwater investigation that was conducted at the site noted above. The investigation that was conducted on the site included the installation of seven geoprobes to determine soil and groundwater conditions beneath the site and magnetic imaging to define an anomaly on the site.

Soils and groundwater were sampled for TPH-G and BTEX in all geoprobes and the geoprobe installed next to the former used oil tank (GP-5) was analyzed additional for TEPH-D, TRPH, HVOC's, SVOC's and metals. No benzene was detected in any of the soil samples collected. TPH-G was only detected in 4 of the 13 soil samples taken, with the highest concentration of 59ppm. TEPH-D was detected in all 3 soil samples, from GP-5, with the highest concentration of 390ppm at the 10 foot sample depth and the other two concentrations below 3.5ppm. TRPH was only detected in one of the three soil samples from GP-5, this was at the 10 foot level with a concentration of 570ppm. No HVOC's or SVOC's were detected in any of the three soil samples from GP-5, while the metals analysis had the highest concentrations of Chromium, lead, nickel and zinc at 61ppm, 8.8ppm, 100ppm 50ppm respectively and at the 10 foot level.

Benzene was detected in only one groundwater sample. This was from geoprobe GP-5 in a concentration of 6.9ppb. TPH-G was detected in 5 of the 7 groundwater samples, with the highest concentration in GP-3. TEPH-D and TRPH was detected in the groundwater at GP-5. No HVOC's and SVOC's were detected in the groundwater at GP-5. Only three of the five metals were detected in the groundwater at GP-5, with lead being non-detect.

Precision Locating conducted an investigation to more fully identify/determine the anomaly that was identified in a previous investigation. They identified two areas that indicated anomalies, but they appeared to be linear and related to old buried piping and construction debris. No point source of significant dimensions was detected.

Based on the soil sample results, it appears that there will be little impact from the concentration of hydrocarbons in the soil, except around geoprobe GP-5; and this is only for TEPH-D and TRPH at the 10 foot level. Also, there appears little impact from the groundwater except around GP-5, which has a 6.9ppb concentration of benzene and concentrations of TEPH-D and TRPH.

Mr. Barney Chan
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SS# 3-0520 Oakland

Because of the impact from hydrocarbons around geoprobe GP-5, it would be appropriate to more fully define soil and water parameters at this location, by the installation of an groundwater monitoring well. Since the geoprobes do not define groundwater flow direction, Chevron proposes to install two additional ground water monitoring wells. One well will be installed in the area of the UST's along Fruitvale Avenue, and the other along the southeastern property line on Foothill Blvd. These monitoring well locations are shown on Figure 2 of this report. The data received from this investigation will assist Chevron in determining if any additional action is warranted, including groundwater monitoring of the site. However, because of the minimal impact from petroleum hydrocarbons in the soil at the site, it does appear that the site could be developed as Chevron continues with its investigation.

If you have any comments or suggestions to the additional investigation as outlined above, please call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc: Ms. B. C. Owen, Chevron

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