



GEOMATRIX CONSULTANTS

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TO: Ms Madhulla COGAN FAX: (510)569-4757
ACHCSA

FROM: Jeff Nelson PROJECT NO: 1886.03

DATE: 20 APRIL 94 TIME: 9⁴⁵ AM

COMMENTS:

Madhulla - here is a summary for the work we have done regarding surface soils. Let me know if you want something more FORMAC. Also, I met with EDDY, so yesterday. He has agreed to our work plan as long as we add 3 more samples for groundwater. He is OK with the work done on the OLD wells - see you later + Thanks
Jeff Nelson

PAGES INCLUDING THIS TRANSMITTAL: 2

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TO: Madhulle Logan
ACHCSA

DRAFT

The Sunnyside Nursery site is located at 29434 Mohr Drive in Hayward, California (Figure 1), and covers approximately 18.3 acres. The former plant nursery operated from approximately 1955 to the fall of 1990. Before 1955, the site was used as agricultural land. Terratech, Inc. (Terratech), of San Jose, California, and Geomatrix have conducted investigations of site soil. TPG Development has already received approval for residential development of 3.3 acres of the site including Tracts 6078, 6260, and 6391. TPG plans to develop residential housing on the remaining 15 acres of the Sunnyside Nursery parcel.

Terratech Site Investigations

Between 1989 and 1991, Terratech conducted a series of soil investigations at the site; these investigations included collecting and analyzing soil samples from 82 shallow soil locations and from 7 soil borings drilled at the site. Results of these investigations indicated that endosulfan-family compounds, DDT-family compounds, chlordane, endrin, and dieldrin were detected in shallow soil in some areas within the site. In addition, relatively low concentrations of total petroleum hydrocarbons as diesel (TPHd) and hydrocarbons as total oil and grease were detected in surface soil samples collected in the northeast corner of the parcel in the vicinity of a former boiler room and an aboveground diesel storage tank.

Geomatrix Site Investigations

In October 1991, Geomatrix collected soil samples from 18 locations within the northern portion of the proposed development area of the site to supplement Terratech's soil sampling. No pesticides were detected above the pesticide cleanup levels for site soil and residential development.

In November 1993, Geomatrix collect surface samples at 51 locations within the proposed development area. The results are as follows:

- No pesticides or PCB compounds were detected above the pesticide cleanup levels for site soil and residential development. Maximum concentrations of pesticides detected in this sampling program were: endrin (0.18 mg/kg), DDT-family compounds (0.226 mg/kg), endosulfan-family compounds (0.193 mg/kg), and dieldrin (0.069 mg/kg). No carbamates were detected in any of the samples selected for analysis.
- BHC compounds (benzene hexachloride-alpha, benzene hexachloride-beta, and benzene hexachloride-gamma or lindane) were detected in 13 samples at concentrations ranging from 0.0011 mg/kg to 0.038 mg/kg. Heptachlor epoxide was detected in three samples at concentrations ranging from 0.001 mg/kg to 0.0018 mg/kg.
- Diesel was not detected in any of the five samples collected in the vicinity of the former boiler and above ground diesel tank.

The concentrations of pesticides detected in surface soil were below site specific cleanup concentrations. It is our opinion that the above sampling program was statistically valid and that pesticides in surface soil at the site do not pose a threat to human health.