

# Vonder Haar Hydrogeology

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STIDSF-6

November 29, 1996

Susan L. Hugo  
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Proposed Monitoring Well Quarterly Sampling Workplan for  
the Days Inn Hotel, 1603 Powell St., Emeryville CA, 94608

Dear Ms. Hugo,

## 1.0. Purpose and Location

This workplan has been prepared by Vonder Haar Hydrogeology to help establish the type and degree of possible toxic contamination -- if any -- in groundwater, and the direction of groundwater flow at the Days Inn Hotel, Emeryville CA, (Figure 1) hereafter referred to as the Site. The proposed work is in response to a request from the Alameda County Department of Environmental Health (ACHD), ie. your letter of June 27, 1996 to Mr. Charles G. Goldman.

## 2.0. Background and History

The recent history of the Site is summarized in your June 27, 1996 letter which is based on previous work at the Site. No gasoline as TPHg nor BTEX, MTBE, or chlorinated solvents were detected in the six monitoring wells on the Site. The focus is on TPH diesel, TPH motor oil, BTEX and PAHs if TPH diesel is detected. The depth to groundwater is about 7 ft, with groundwater flow to the north reported.

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3.0. Scope of Work

3.1. Monitoring Well Sampling

The above mentioned six Site monitoring wells will be sampled and their depths to water determined. The following methodology will be used:

1. Water levels will be measured to 0.01 ft, and the volume of water removed from the well -- approximately 4 casing volumes if there is sufficient water -- will be noted as will its properties such as color, odor, the presence of any sheen or free product, temperature, conductivity and pH.
2. The well will be purged using calculated well volumes. The purged water, and rinse water will be contained on Site in DOT approved 55 gallon drums.
3. A clean bailer will be used to collect the water sample, and the sample poured into the laboratory supplied containers with minimum agitation. Each water sample will be labeled, logged onto a chain-of-custody form, and placed in a chilled ice chest. In addition to the primary water sample collected for analysis, an additional water sample will be collected to be used if needed for QA/QC.

3.2. Chemical Analyses

The groundwater samples will be analyzed at a State certified analytical laboratory for the following:

Total Petroleum Hydrocarbons as diesel (TPHd) and TPH motor oil

Benzene, toluene, ethylbenzene, and xylenes (BTEX)

PAHs if TPH diesel is detected

Samples will be analyzed on normal turnaround (ten working days) unless a more rapid turnaround is authorized.

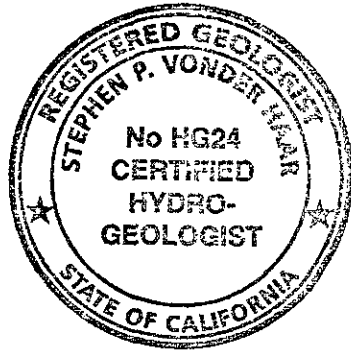
4.0. Report

Following receipt of the chemical analytical data sheets, a report of the site investigation will be made. This report will include the:

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- \* sampling methods
- \* analytical data, and
- \* summary of findings.

If you have any questions or comments please call.



Yours truly,  
for Vonder Haar Hydrogeology

A handwritten signature in cursive script that reads "Stephen Vonder Haar".

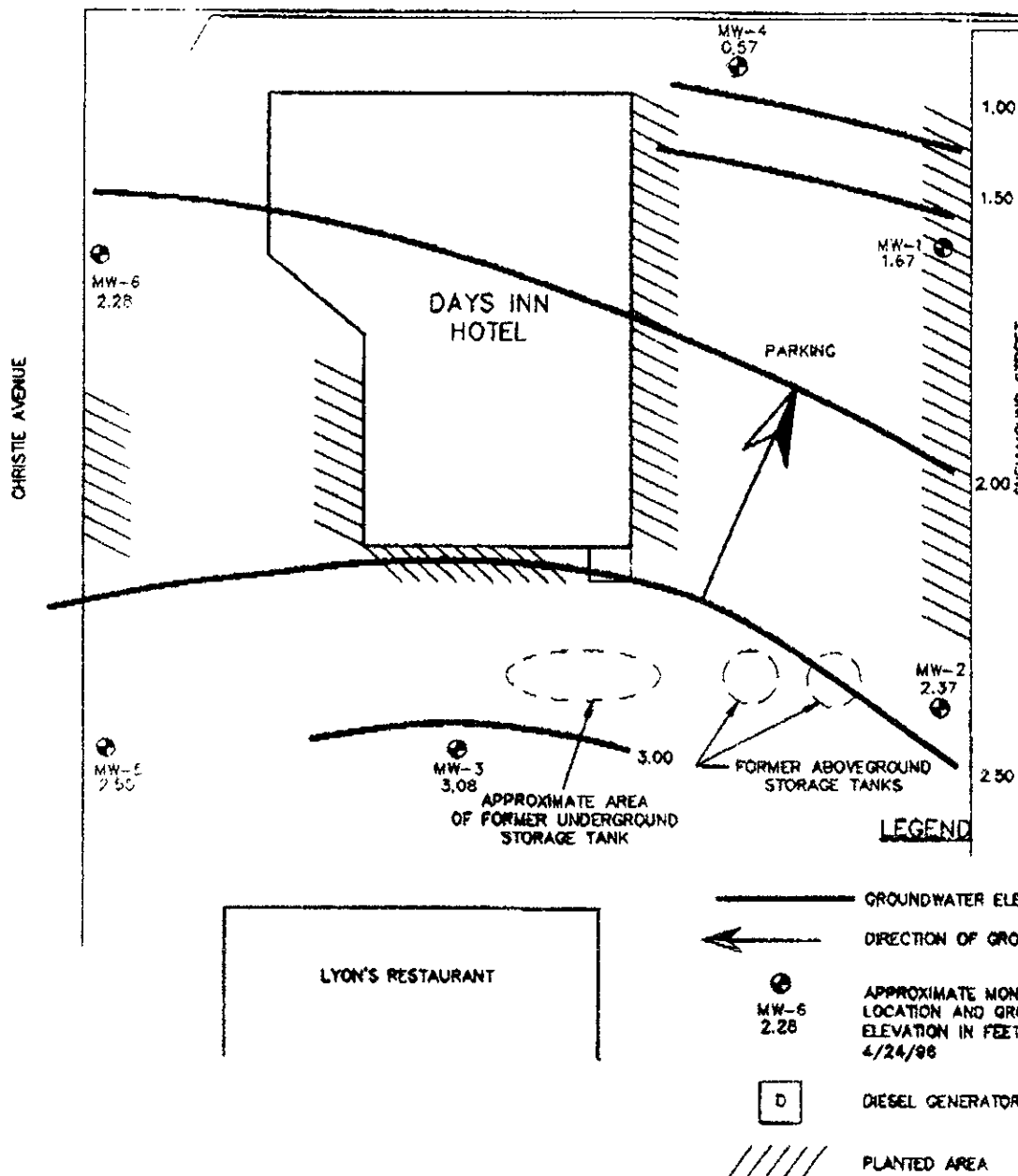
Stephen Vonder Haar, Ph.D.  
Principal Hydrogeologist  
CA Registered Geologist 3817  
CA Certified Hydrogeologist 24

Attachments: Figure 1  
File: c:\vh\proj\days1196.wp

Fax sent November 29, 1996,  
and hard copy mailed november 29, 1996



POWELL STREET BRIDGE



LEGEND

- GROUNDWATER ELEVATION CONTOUR
- ← DIRECTION OF GROUND WATER FLOW
- MW-6 2.28 APPROXIMATE MONITORING WELL LOCATION AND GROUNDWATER ELEVATION IN FEET ABOVE MSL 4/24/96
- D DIESEL GENERATOR
- //// PLANTED AREA



V.H. FIGURE ①

SOURCE: McLAREN HART REPORT DATED 5/26/93, LAW/CRANDALL FIELD NOTES DATED APRIL 17 AND 18, 1996, AND SURVEY BY DAVID L. CRAMER & ASSOCIATES.

PREPARED/DATE: A.T.M. 5/22/96  
CHECKED/DATE: M.I.M. 5/24/96

EMERYVILLE DAYS LIMITED PARTNERSHIP  
KISSIMMEE, FLORIDA



FROM  
LAW/CRANDALL  
REPORT

SITE PLAN WITH MONITORING WELL LOCATIONS AND GROUNDWATER ELEVATIONS  
DAYS INN HOTEL  
EMERYVILLE, CALIFORNIA

PROJECT: 70424-6-0004 FIGURE 3

C:\DWGSS\TOLLMAN\0004\F3 M.A.H. 5/29/96

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