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10:41 am, Jun 22, 2011

Alameda County  
Environmental Health

3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

May 23, 2011  
Project No. 2115-1436-01

Ms. Flora Chan  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, California 94109

Re: Notification of Proposed DPE Test  
Former Olympic Station  
1436 Grant Avenue  
San Lorenzo, California

Dear Ms. Chan:

Stratus Environmental, Inc. (Stratus), on behalf of Mr. Phillip Jaber and the George and Frida Jaber 1989 Family Trust, has prepared this letter to notify Bay Area Air Quality Management District (BAAQMD) regarding a proposed 5-day dual phase extraction (DPE) test at the Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California (see Figure 1). The test is currently scheduled to begin on **June 6, 2011**.

Stratus proposes to use a CBA Equipment, LLC (CBA), 250 cubic feet per minute (cfm) trailer-mounted DPE system. The system incorporates a 15-horsepower (hp) liquid ring pump and a thermal oxidizer rated at a maximum flow rate of 250 cfm. Petroleum hydrocarbon laden soil vapors and groundwater will be extracted from existing wells EX-1, EX-2, and EX-3 using the liquid ring pump. The 5-day DPE test will consist of individual well DPE tests, as well as multiple well DPE tests. Soil vapors will be separated from groundwater in a 100-gallon air-water separator, in-built on the DPE system, and abated using the thermal oxidizer before discharging to the atmosphere. Groundwater from the knock-out tank will be transferred to a 6,500 gallon steel tank, pending transportation and disposal at a waste acceptance facility. A 49-hp rated propane generator, or similar, will be used to energize the DPE system. The location of the extraction wells and other pertinent site features are presented in Figure 2. A process flow diagram for the system is illustrated in Figure 3.

The following parameters will be monitored during the test:

- Hour meter reading,
- Vapor extraction flow rate,
- Influent, operating, and effluent temperatures,

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- Applied vacuum at the extraction well(s) using standard pressure gauges,
- Depth to water and induced vacuum measurements in wells located in the immediate vicinity of the test wells,
- Totalizer reading to calculate groundwater extraction rates, and
- Photo-ionization detector (PID) measurements for system-influent and effluent air samples.

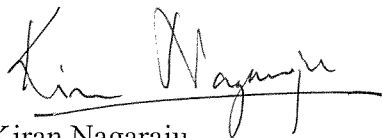
A minimum of one influent air sample will be collected during each DPE test, and one effluent air sample will be collected on the start-up day. The air samples will be submitted to a state-certified laboratory requesting analysis for gasoline range organics (GRO) using United States Environmental Protection Agency (USEPA) Method 8015B, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) and methyl tertiary butyl ether (MTBE) using USEPA Method 8260B. Additional air and water samples will be collected during the test to evaluate system performance and to monitor petroleum hydrocarbon concentrations in soil vapors.

Upon completion of the test and receipt of all analytical results, Stratus will prepare and submit a report that documents the findings of the DPE test.

If you have any questions regarding this notification, please contact Kiran Nagaraju at (530) 676-6007.

Sincerely,

*STRATUS ENVIRONMENTAL, INC.*

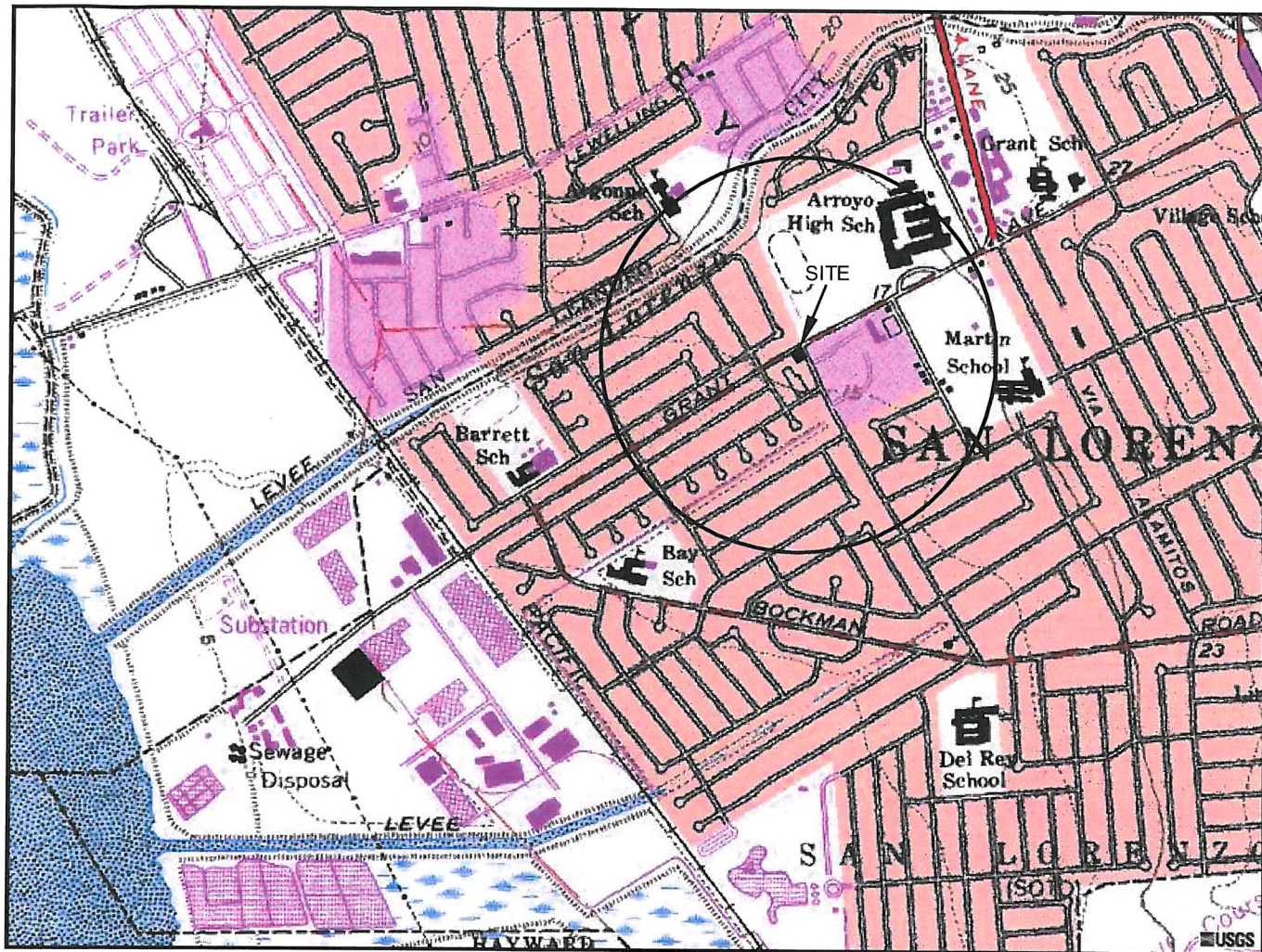


Kiran Nagaraju  
Project Engineer

  
Stephen J. Carter, P.G.  
Project Manager

Attachments:    Figure 1            Site Location Map  
                         Figure 2            Site Plan  
                         Figure 3            Process Flow Diagram

cc:    Mr. Phillip Jaber, Property Owner  
       Mr. Mark Detterman, Alameda County Environmental Health Department



GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 SAN LORENZO, CA.  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1978



APPROXIMATE SCALE



QUADRANGLE LOCATION

*STRATUS*  
 ENVIRONMENTAL, INC.

FORMER OLYMPIC SERVICE STATION  
 1436 GRANT AVENUE  
 SAN LORENZO, CALIFORNIA

FIGURE

1

PROJECT NO.  
 2115-1436-01

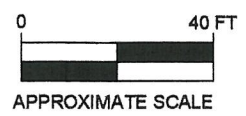
SITE LOCATION MAP



- LEGEND
- MW-1 MONITORING WELL LOCATION
  - SV-1 VAPOR EXTRACTION WELL LOCATION
  - B-1 SOIL BORING LOCATION
  - EX-1 PROPOSED EXTRACTION WELL LOCATION
  - IW-1 PROPOSED OZONE INJECTION WELL LOCATION



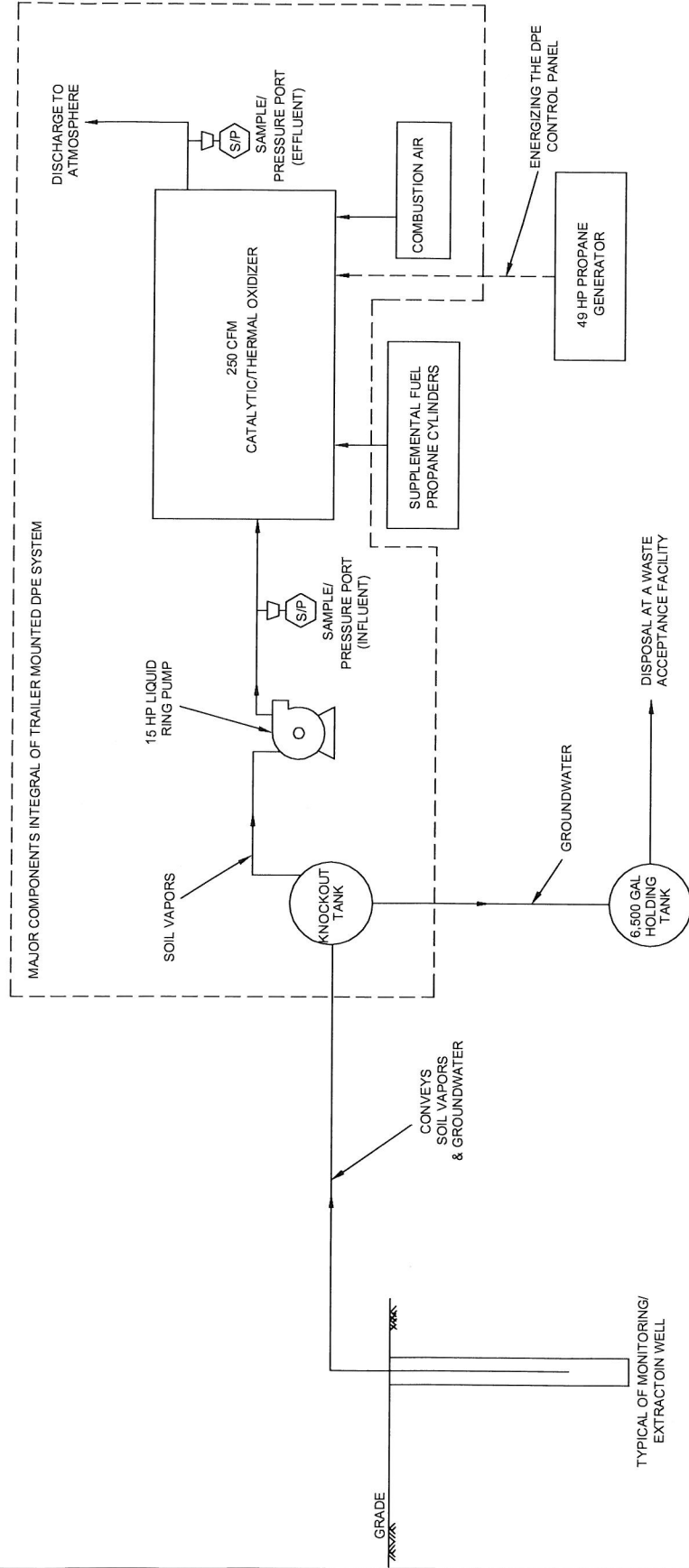
Olympic Service Station JHP REV May 3, 2011 Olympic Station



FORMER OLYMPIC SERVICE STATION  
1436 GRANT AVENUE  
SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE  
**2**  
PROJECT NO.  
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DUAL PHASE EXTRACTION SYSTEM  
NOT TO SCALE

THIS IS A PROCESS FLOW DIAGRAM, THEREFORE INSTRUMENTATION AND CONTROL EQUIPMENT DETAILS ARE NOT SHOWN. INSTRUMENT FUNCTIONS AND INTERACTIONS ARE ALSO NOT SHOWN. EQUIPMENT SIZES ARE NOT PROPORTIONAL AND ARE NOT INDICATIVE OF FINAL SIZES.



FORMER OLYMPIC SERVICE STATION  
1436 GRANT AVENUE  
SAN LORENZO, CALIFORNIA  
PROCESS FLOW DIAGRAM

FIGURE  
**3**  
PROJECT NO.  
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