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Alameda County



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

June 30, 2004

Project No. 2007-0057-01

RO 232

Mr. Robert E. Cave
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

Re: Start-up Notification (Application Number: 9766 and Plant Number: 16133)
USA Facility No. 57
10700 MacArthur Boulevard
Oakland, California

Dear Mr. Cave:

Stratus Environmental Inc. (Stratus), has prepared this letter on behalf of CBA Equipment, LLC. (CBA), to notify Bay Area Air Quality Management District (BAAQMD) regarding the start-up of a Solleco 400 cubic feet per minute (cfm) Dual Phase Extraction (DPE) System at USA Gasoline (USA) Facility No. 57, located at 10700 MacArthur Boulevard, Oakland, California (see Figure 1). The 6-day DPE feasibility study/mass extraction event is scheduled to begin on July 6, 2004. Based on the results of the DPE test during the first two days of operation, the DPE test may be extended for a 30-day period. The proposed DPE system will be operated 24 hours a day during the testing period using a 50-kilowatt propane generator.

Petroleum hydrocarbon laden soil vapors and groundwater will be extracted from the existing monitoring/extraction wells (S-1 & S-2, Figure 2) using the liquid ring blower on the proposed trailer mounted DPE system. The extracted soil vapors will be abated in a thermal oxidizer before discharging into the atmosphere; extracted groundwater will be treated using granular activated carbon vessels prior to discharging to the sanitary sewer, or disposed of appropriately at a waste acceptance facility (see Figure 3). A general configuration of the facility, with locations of monitoring/extraction wells, is presented in Figure 2. Stratus conducted a web search (www.yahoo.com and www.mapquest.com) for schools within a 1,000-foot radius of the site, and none were identified in the search area.

DPE SYSTEM START-UP AND OPERATION

During the system start-up, the following parameters will be monitored and recorded on field data sheets:

- Influent, operating, and effluent temperatures,

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- Vapor extraction rate,
- Applied vacuum at each vapor extraction well,
- Influent flow into the system, and
- Photo-ionization detector (PID) measurements for organic vapors from the extraction wells.

In accordance with the BAAQMD Authority to Construct (ATC, dated June 7, 2004, condition 10), Stratus will collect one set of influent and effluent air samples within 24-hours of the start-up and forward them to a state-certified laboratory for chemical analysis. The air samples will be analyzed on a 24-hour turnaround basis for total petroleum hydrocarbons as gasoline (TPHG) by United States Environmental Protection Agency (USEPA) Method 8015, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by USEPA Method 8020. Analytical results and field data collected will be used to calculate and verify the destruction efficiency of the system.

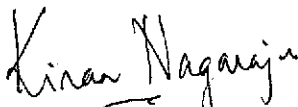
REPORTING

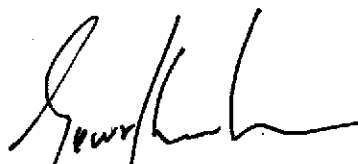
Upon completion of the DPE test, and within 30-days of receipt of all analytical data, Stratus will prepare, and submit to BAAQMD, a source test report presenting the analytical results of the vapor samples, tabulated field observations, and destruction efficiencies of the system.

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

Sincerely,

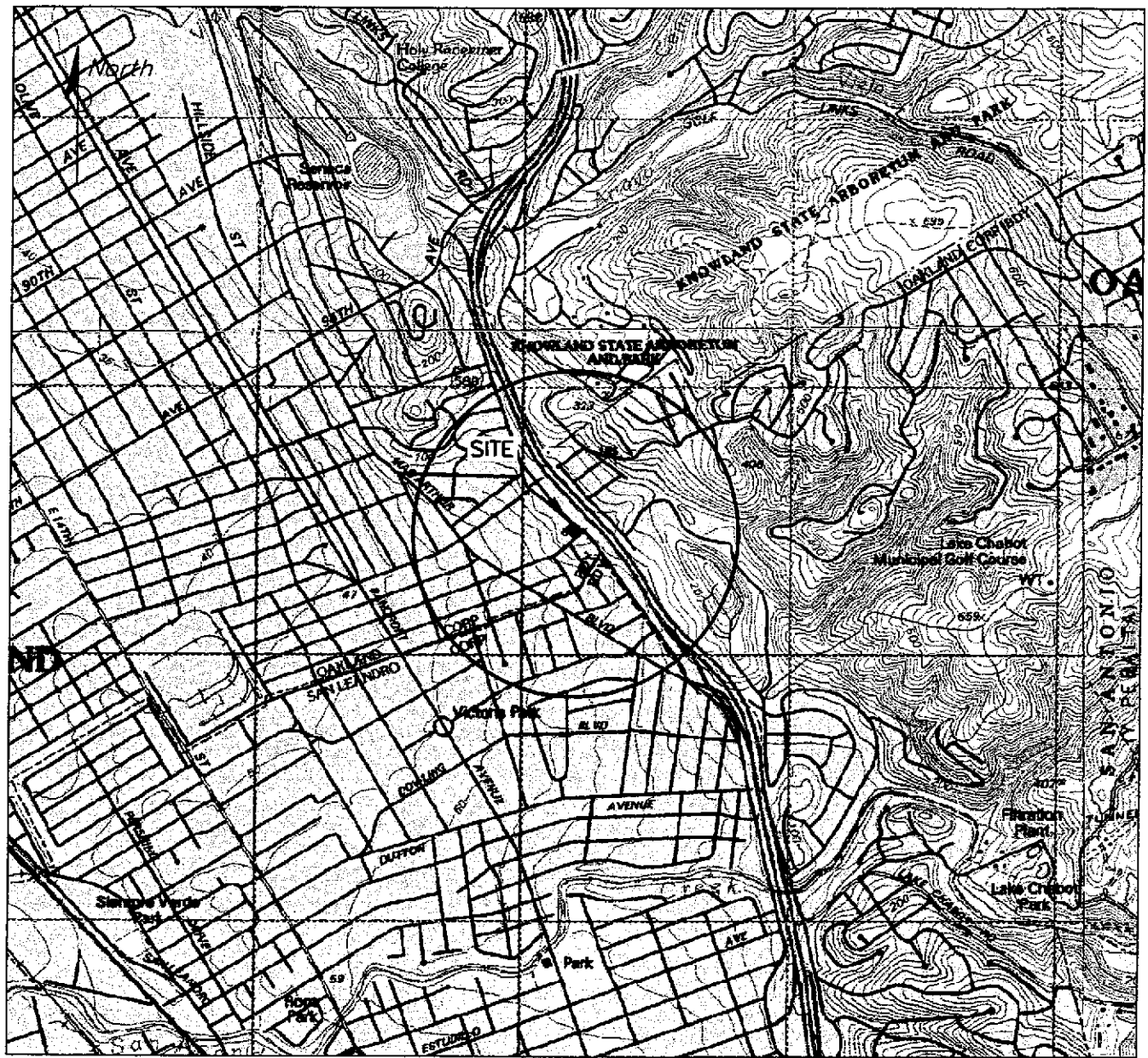
STRATUS ENVIRONMENTAL, INC.


Kiran Nagaraju
Staff Engineer


Gowri S. Kowtha, P.E.
Project Manager

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

cc: Mr. Charles Miller, USA Gasoline Corporation
Mr. Don Hwang, Alameda County Health Agency



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 OAKLAND, CA
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION



SCALE 1:24,000

USA57Quarterly JMP Jun 30, 2004 USA 57 Site Location Map.dwg

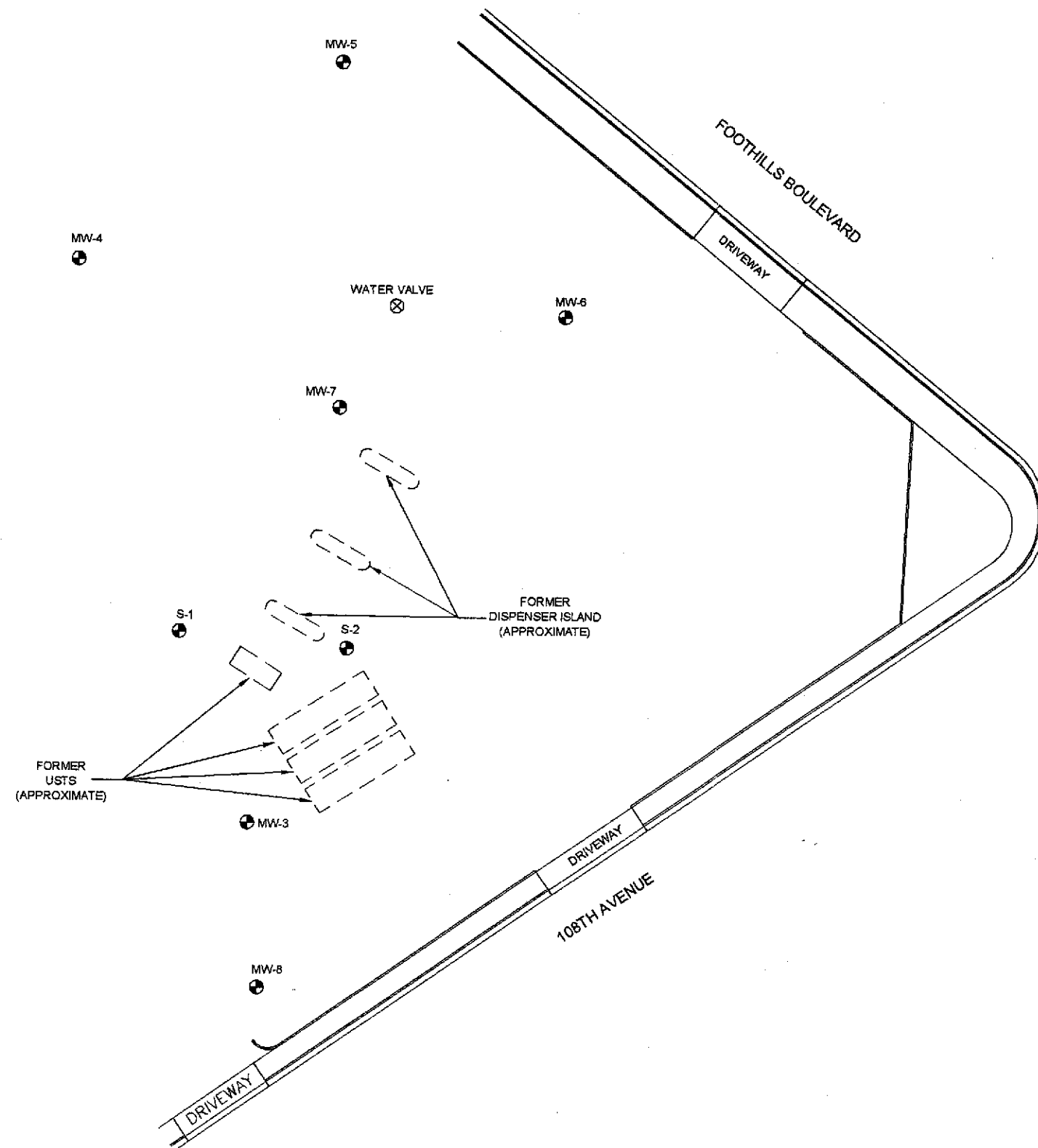
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FORMER USA STATION NO. 57
 10500 MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA
 SITE LOCATION MAP

FIGURE
1
 PROJECT NO.
 2007-0057-01

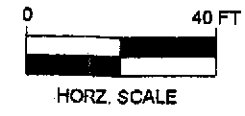


LEGEND
● MW-1 MONITORING WELL LOCATION
⊗ WATER VALVE LOCATION



USA 57 Site Plan.dwg
JRP
REV
JUN 30, 2004
USA 57

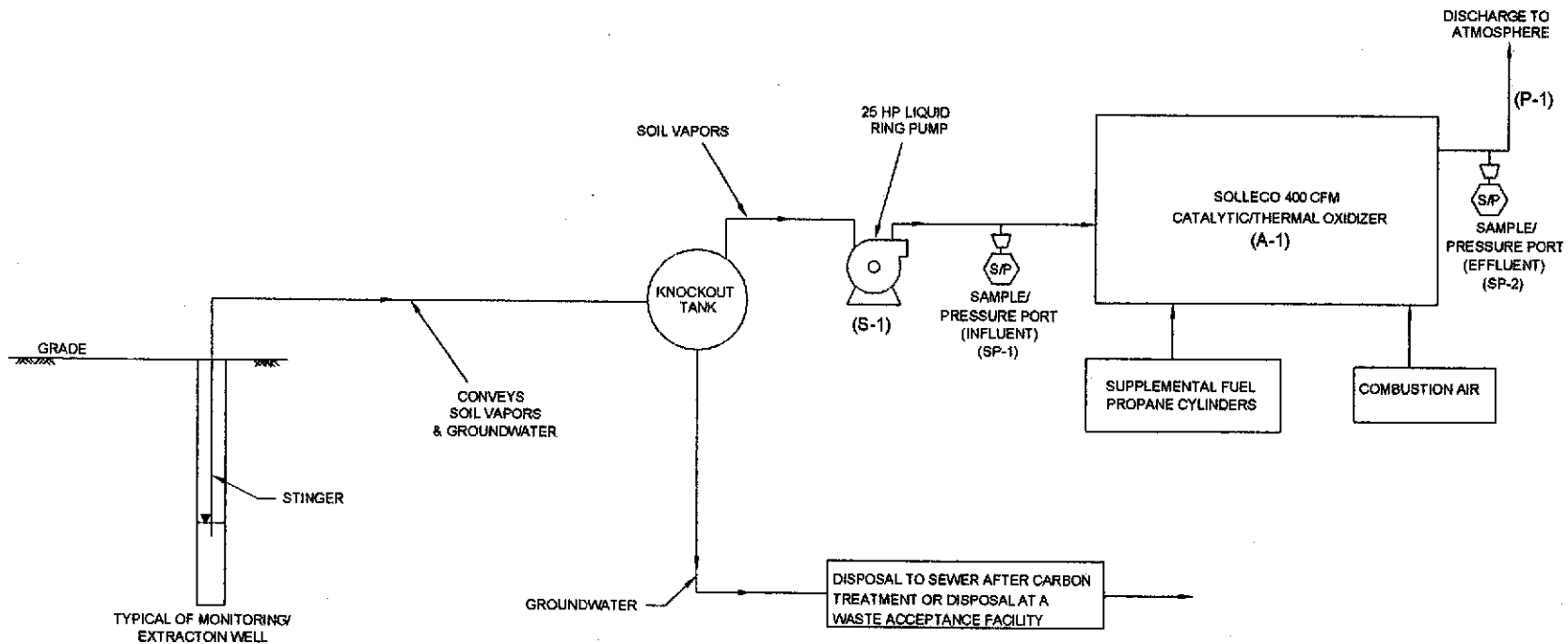
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FORMER USA STATION NO. 57
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SITE PLAN

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 USA STATION NO. 57
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PROCESS FLOW DIAGRAM

FIGURE
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PROJECT NO.
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