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Alameda County
Environmental Health

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

November 12, 2007
Project No. 2007-0057-01

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

Re: Notification of DPE Event Extension
(BAAQMD Application No. 12773 & Plant No. 17101)
Former USA Station No. 57
10700 MacArthur Boulevard
Oakland, California

Dear Mr. Cave:

Stratus Environmental, Inc. (Stratus), on behalf of CBA Equipment, LLC (CBA), has prepared this letter to notify Bay Area Air Quality Management District (BAAQMD) regarding an extension of the Dual Phase Extraction (DPE) and Air Sparge (AS) event at former USA Gasoline (USA) Station No. 57, located at 10700 MacArthur Boulevard, Oakland, California (see Figure 1), for an additional two months. A two-month DPE-AS event was initiated at this site on September 4, 2007 (*Two Month Dual Phase Extraction Event Notification*, dated August 28, 2007). Recovery of petroleum hydrocarbons from the subsurface during the two-month DPE-AS event was generally successful. Stratus is therefore proposing to extend the DPE-AS event at this site for an additional two months in order to remove additional hydrocarbon mass from the subsurface. DPE-AS will be conducted 24 hours a day during this period under the BAAQMD permit (Plant No. 17101).

During the extended 2-month DPE-AS event, petroleum hydrocarbon laden soil vapors will be extracted from existing extraction wells EX-1 through EX-4 (see Figure 2) using the 15-horsepower (hp) rated liquid ring blower of a CBA 200 cfm thermal oxidizer. The extracted soil vapors will be abated in the thermal oxidizer before discharging into the atmosphere. A 25 kilowatt (30-hp) propane generator, or similar, will be used to energize the control panel of the DPE system. Extracted groundwater will be treated using granular activated carbon vessels prior to discharging to the sanitary sewer under permit (No. 50546352, dated May 31, 2005) from East Bay Municipal Utility District (EBMUD).

DPE SYSTEM OPERATION AND SAMPLING

Stratus will conduct routine site visits during the 2-month period to verify system operation, optimize system performance, and conduct maintenance, if warranted. In addition, influent and effluent air samples will be collected on a monthly basis to verify compliance with BAAQMD permit requirements.

Mr. Robert E. Cave, BAAQMD
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During site visits, the following parameters will be monitored and recorded on field data sheets:

- Influent, operating, and effluent temperatures,
- 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.

Air samples will be forwarded to a state certified laboratory to be analyzed for gasoline range organics (GRO) 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 8260. Analytical results and field data collected will be used to calculate and verify the destruction efficiency of the system.

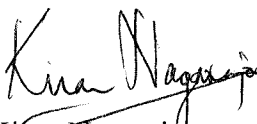
REPORTING

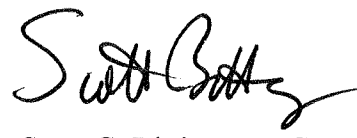
Upon completion of the extended DPE-AS event, and within 45-days of receipt of all analytical data, Stratus will prepare, and submit to BAAQMD, a DPE event summary report presenting the analytical results of the vapor samples, volume of air extracted and treated, tabulated field observations, and destruction efficiencies of the system.

If you have any questions, please contact Scott Bittinger at (530) 676-2062 or Kiran Nagaraju at (530) 676-6007.

Sincerely,

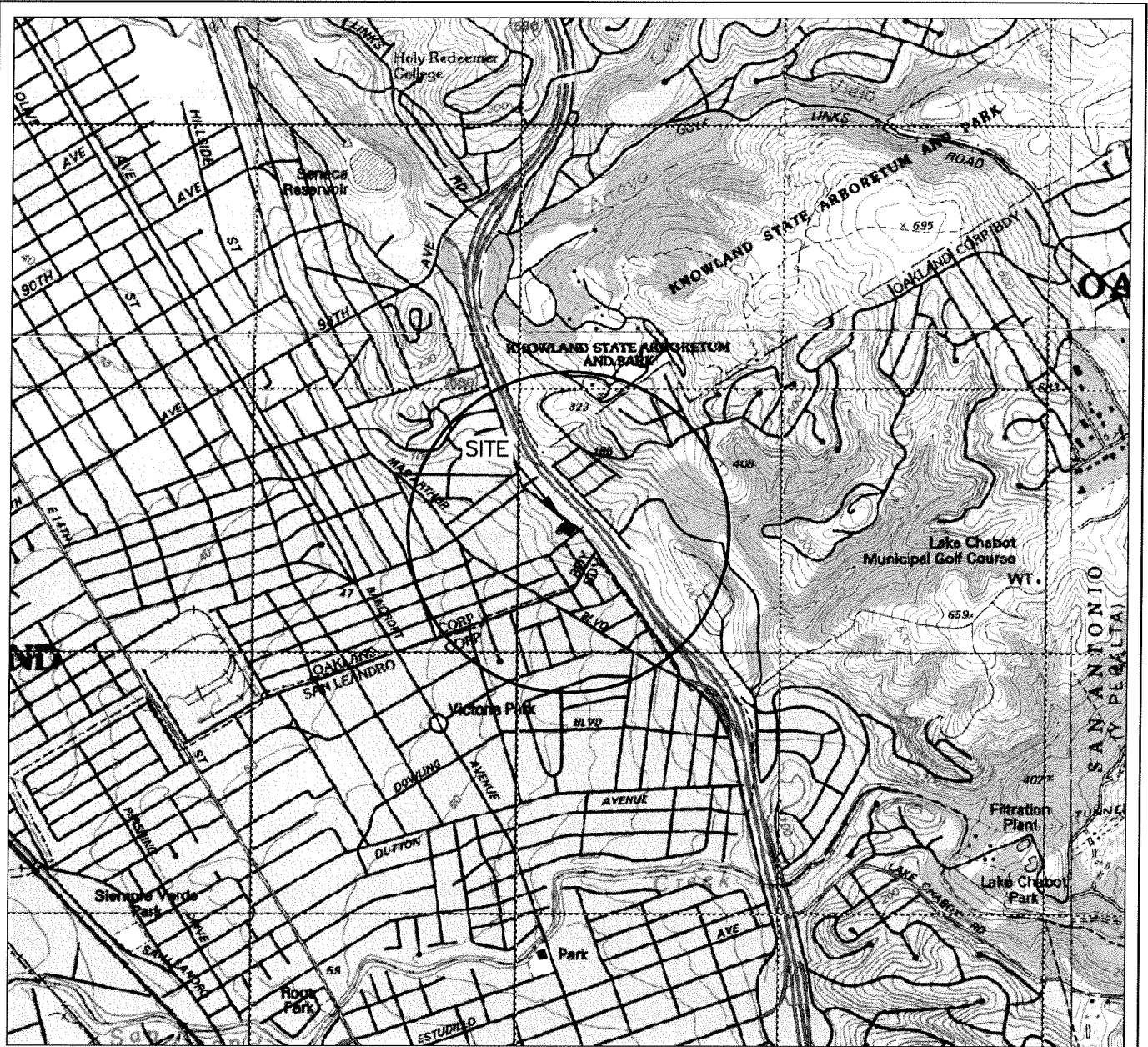
STRATUS ENVIRONMENTAL, INC.


Kiran Nagaraju
Staff Engineer


Scott G. Bittinger, P.G.
Project Manager

Attachments: Figure 1 Site Location Map
 Figure 2 Site Plan

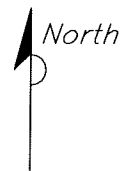
cc: Mr. Charles Miller, Moller Investment Group, Inc.
 Mr. Barney Chan, Alameda County Health Care Services
 Mr. Ken Phares, Jay-Phares Corporation
 Mr. Peter McIntyre, AEI Consultants
 Ms. Mirtha Ninayahuar, East Bay Municipal Utility District



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



QUADRANGLE LOCATION



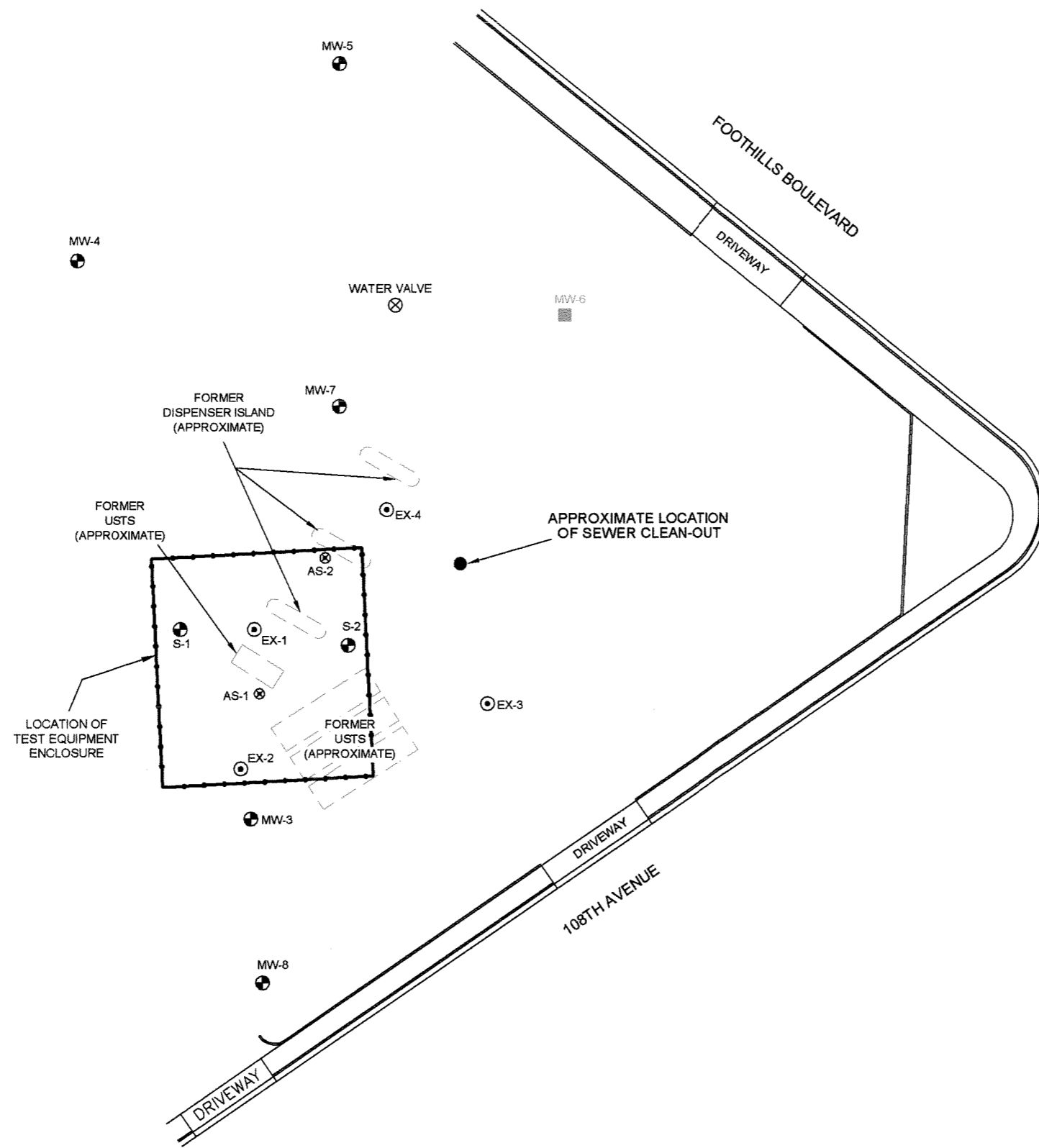
SCALE 1:24,000

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 ENVIRONMENTAL, INC.

FORMER USA SERVICE STATION NO. 57
 10700 MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA
 SITE LOCATION MAP

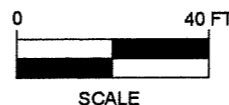
FIGURE
1
 PROJECT NO.
 2007-0057-01

- LEGEND
- ⊕ MW-1 MONITORING WELL LOCATION
 - ⊗ WATER VALVE LOCATION
 - APPROXIMATE SEWER CLEAN-OUT LOCATION
 - ⊙ EX-1 EXTRACTION WELL LOCATION
 - MW-6 ABANDONED WELL LOCATION
 - ⊗ AS-1 APPROXIMATE AIR SPARGE WELL LOCATION



USA57DPE JMP REV September 17, 2007 USA 57 Stephen

STRATUS
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FORMER USA STATION NO. 57
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OAKLAND, CALIFORNIA

SITE PLAN

FIGURE
2
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