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October 17, 2006

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Subject: Preliminary Site Assessment Work Plan
Vulcan Materials Company
Pleasanton Facility
501 El Charro Road
Pleasanton, California**

Dear Mr. Wickham:

Please find enclosed one hard copy the Preliminary Site Assessment Work Plan for the Vulcan Materials Company Pleasanton Facility. If you have any questions regarding this work plan please contact Bryan Behr at 415-989-9933, x.225.

Sincerely,
ENV America Incorporated

Marie Rose Javier
Office Administrator

Enclosure



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**Subject: Preliminary Site Assessment Work Plan
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Pleasanton Facility
501 El Charro Road
Pleasanton, California**

At the request of Vulcan Materials Company (VMC), ENV America Incorporated (ENV America) has prepared this Preliminary Site Assessment Work Plan (Work Plan), for VMC's Pleasanton Facility located at 501 El Charro Road in Pleasanton, California (the Site) (Figure 1), in response to a March 25, 2003 letter request from the Alameda County Health Care Services Agency (ACHCSA).

This Work Plan has been designed to evaluate whether contaminants are present in soil and groundwater at the Site and, if so, evaluate the vertical and lateral extent of contaminants and to collect data necessary to generate an initial three dimensional Site Conceptual Model (SCM) of Site conditions. The following sections provide a description of Site background, a summary of field methods, report preparation, and a proposed schedule.

SITE BACKGROUND

In November, 2002 one 12,000-gallon diesel underground storage tank (UST) and one 6,000-gallon gasoline UST were removed from a common excavation at the Site. Associated fuel dispensers were also removed. Soil samples were collected at the base of the excavation ranging from 13 to 14 feet below ground surface (bgs) and from beneath each of the dispenser locations. The UST removal was performed and documented by ACC Environmental Consultants (ACC) of Oakland, California. ACC collected a total of nine soil samples from beneath the tanks and dispensers and one composite stockpile sample. The samples were analyzed by Severn Trent Laboratories, San Francisco, Inc., of Pleasanton, California (STL) for total petroleum hydrocarbons as diesel and gasoline (TPHd and TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and fuel oxygenates. Soil samples collected from beneath the tanks were also analyzed for total lead. A maximum TPHd concentration of 1,800 milligrams per kilogram (mg/kg) was detected. TPHg was detected at a maximum concentration of 31 mg/kg. Benzene was not detected in any of the samples above laboratory reporting limits and only low concentrations of toluene, ethylbenzene, total xylenes, and the fuel oxygenate tert-Butanol (TBA) were detected. Total lead was detected at concentrations that would be



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considered in the normal background range (6.3 mg/kg). An Unauthorized Release Report was completed by ACC on behalf of VMC on November 25, 2002.

The geologic and hydrogeologic conditions of the Site are described as ranging from gravel and cobbles to clay in a well completion report for a new water supply well on Site. Static groundwater is reported at approximately 114 feet bgs as reported in the well completion report; however the well's sanitary seal extends from the surface to 180 feet bgs possibly sealing an upper water bearing zone.

MAJOR TASKS

Pre Field Activities

The following pre-field activities will be completed by ENV America prior to commencement of field activities and following the approval of the Work Plan:

- Preparation of a Site specific Health and Safety Plan (HASP) to describe any safety issues associated with the proposed scope of work, as well as site conditions.
- Obtaining proper permits from ACHCSA and the Alameda County Flood Control District – Zone 7.
- Marking the proposed boring locations and performing underground utility clearance by notifying Underground Service Alert (USA) and employing the services of a private utility locator.

Field Work

ENV America will contract with Gregg Drilling and Testing, Inc. (Gregg) of Martinez, California, a C-57 licensed drilling company to advance four soil borings at the Site. The boring locations will be strategically placed to characterize the lateral and vertical extent of contamination, if any (Figure 2). The borings will be continuously cored and advanced to first encountered groundwater, a maximum of 50 feet bgs, or refusal using a hollow stem auger drill rig. The recovered soil will be screened with an organic vapor monitor equipped with a photoionization detector (PID) and logged continuously by an ENV America field geologist using the visual-manual procedures of ASTM Standard D-2488-00, which is based on the Unified Soil Classification System, for guidance and using Munsell Soil Color Chart designations, under the direction of a California professional geologist. Soil samples will be collected for laboratory analysis at depth intervals where staining, odor, or elevated PID readings are observed. In addition one soil sample will be collected for laboratory analysis two feet below the interval of observed staining, odor, or elevated PID readings. If staining, odor, or elevated PID reading is not observed in the field one soil sample will be collected approximately fifteen feet bgs and one sample collected from the total depth of the boring or at the capillary fringe if groundwater is encountered. Soil samples will be collected in clean brass, steel, or butyrate liners capped with Teflon® sheets and end caps. A California State certified laboratory will be contracted to analyze soil samples for the presence of TPHd, TPHg, BTEX, 1,2-DCA, EDB, MTBE, and LUFT



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oxygenates using Environmental Protection Agency (EPA) Method 8015 Modified and EPA Method 8260B, and for total lead by EPA Method 6010B. All borings will be surveyed by a California licensed surveyor.

One groundwater sample will be collected from each of the four borings for laboratory analysis if groundwater is encountered. Samples will be collected at first encountered groundwater by installing a temporary well point. The augers will be advanced approximately 5 to 10 feet below the groundwater surface. Once at depth a 2-inch polyvinyl chloride (PVC) casing and screen will be placed inside the augers. Groundwater samples will be collected from the temporary well point using a new disposable bailer. The sample will be decanted from the bailer into laboratory supplied sample containers. A California State certified laboratory will be contracted to analyze groundwater samples for the presence of TPHd, TPHg, BTEX, 1,2,-DCA, EDB, MTBE, and LUFT oxygenates using EPA Method 8015 Modified and EPA Method 8260B, and for total lead by EPA Method 6010B.

All down hole equipment will be decontaminated prior to starting and in between each boring using either a steam cleaner/pressure washer or by washing the equipment with laboratory grade detergent, and triple rinsing.

Soil and water samples will be stored in ice-chilled coolers until delivered to the analytical laboratory under chain-of-custody procedures. The following is a summary of the soil and groundwater sampling locations and analytical methods that will be used:

- Drilling and sampling one soil boring in the northeastern portion of the Site to assess lateral and vertical extent of potential contaminants in soil and groundwater.
- Drilling and sampling one soil boring in the southwestern portion of the Site to evaluate lateral and vertical extent of potential contaminants in soil and groundwater.
- Drilling and sampling one soil boring in the southeastern portion of the Site to evaluate lateral and vertical extent of potential contaminants in soil and groundwater.
- Drilling and sampling one soil boring in the northwestern portion of the Site to assess lateral and vertical extent of potential contaminants in soil and groundwater.
- Soil and groundwater samples collected will be analyzed by a California State certified laboratory for the presence of TPHd, TPHg, BTEX, 1,2,-DCA, EDB, MTBE, and LUFT oxygenates using EPA Method 8015 Modified and EPA Method 8260B, and for total lead by EPA Method 6010B.

PVC casing will be used as a tremie pipe to grout the borings from total depth to ground surface using Type I/II neat cement mixed in a ratio of one 94-pound bag of cement to 5-7 gallons of municipal water. Drill cuttings and equipment wash water will be placed in labeled containers and stored on the Site pending analytical results.

Reporting

Following the completion of field work at the Site an SCM and report will be prepared by ENV America on behalf of VMC. The SCM is a set of working hypotheses pertaining to all aspects of



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the potential contaminate release, including geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely impacts to receptors. The SCM will be used to identify data graphs that are subsequently filled as the assessment proceeds as necessary. The report will also include a description of field methods, results of laboratory analysis of all soil and groundwater samples, geology and hydrology interpretation, and conclusions and recommendations. The report will be reviewed and signed by a California professional geologist.

SCHEDULE

Following ACHCSA approval of the Work Plan, ENV America, on behalf of VMC, will execute the above filed work based on contractor availability. The report will be submitted electronically to ACHCSA and uploaded to State Water Resource Control Board's Geotracker website within 60 days from the completion of field work.

Please do not hesitate to call the undersigned if you have any questions regarding this Work Plan at (415) 989-9933 x.225.

Respectfully submitted,
ENV America Incorporated

A handwritten signature in black ink, appearing to read "B. Behr".

Bryan Behr
Project Geologist

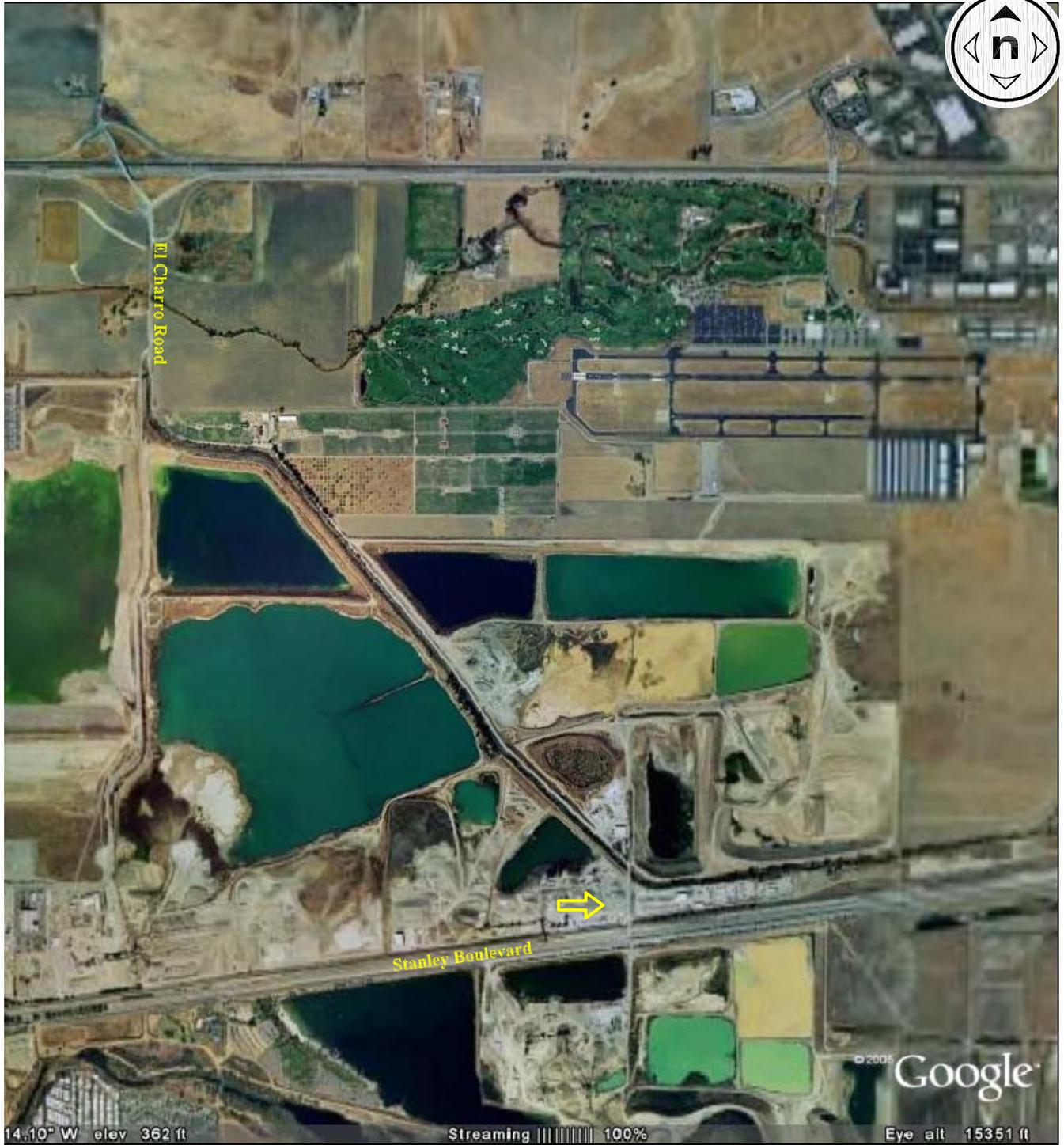
A handwritten signature in black ink, appearing to read "Al Atkinson".

Al Atkinson, P.G. (# 3515, exp. 10/31/2008)
Principal

Attachments: Figure 1 Site Location Map
Figure 2 Site Plan with Proposed Boring Locations

cc: Tom Ferrell, Vulcan Materials Company
File

FIGURES



LEGEND

 SITE LOCATION

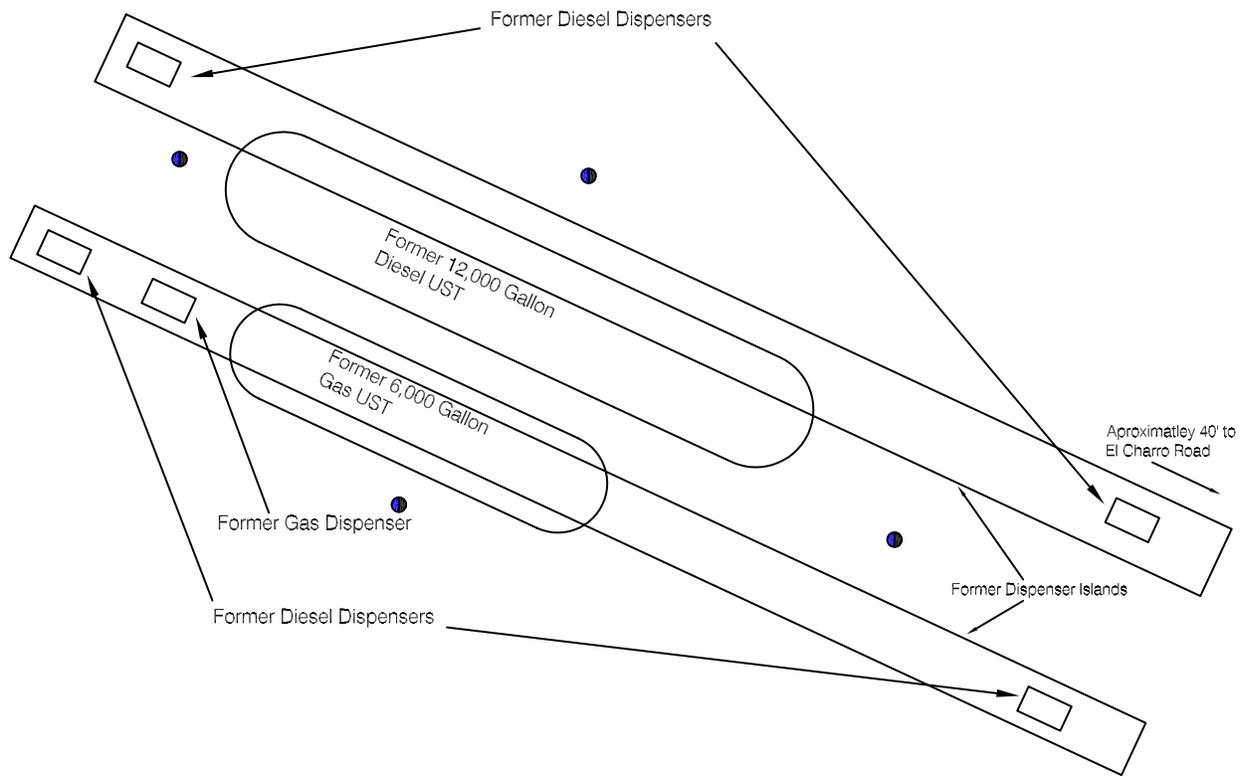
REFERENCE:
GOOGLE EARTH
2005



FIGURE 1

SITE LOCATION MAP

VULCAN MATERIALS COMPANY
501 EL CHARRO ROAD
PLAESANTON, CALIFORNIA



LEGEND

- APPROXIMATE LOCATION OF PROPOSED BORING

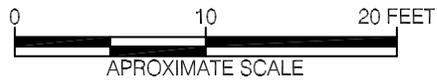


FIGURE 2

**SITE MAP WITH
PROPOSED BORING
LOCATIONS**

VULCAN MATERIALS COMPANY
501 EL CHARRO ROAD
PLEASANTON, CALIFORNIA