

Alameda County Health Care Services Agency

1131 Harbor Bay Pkwy, Suite 250

Alameda, CA 94502

Subject: RO#0000262

Albany Hill Mini Mart

800 San Pablo Avenuc

Albany, CA

Attached please find a copy of the most recent groundwater sampling report for the above referenced site. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

Jasminder Sikand



RECEIVED

By Alameda County Environmental Health 8:22 am, Mar 01, 2016



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853

February 25, 2016

WORKPLAN
For a
OFF-SITE INDOOR AIR ASSESSMENT
at
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, CA 94706

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853

1.0 INTRODUCTION

This submittal presents Aqua Science Engineer's, Inc. (ASE) workplan for an off-site indoor air assessment for the Albany Hill Mini Mart located at 800 San Pablo Avenue in Albany, California (Figures 1 and 2). The proposed site assessment activities were initiated by Jasminder and Sonia Sikand, owners of the property, as requested by the Alameda County Health Care Services Agency (ACHCSA) in their directive letter dated December 31, 2015.

2.0 BACKGROUND

Based on the elevated hydrocarbon concentrations in off-site soil vapor monitoring well SVW-5, the inability to drill locations closer to the Mallard Club or deeper due to the depth of groundwater, indoor air samples will be collected within the basement of the Mallard Club, located at 752 San Pablo Avenue.

3.0 PROPOSED SCOPE OF WORK

The purpose of this assessment is to provide indoor air quality data from the basement of the Mallard Club, located at 752 San Pablo Avenue, to determine whether it may have been impacted from elevated hydrocarbon concentrations as soil vapor samples collected from SVW-5. The specific proposed scope of work is as follows:

- 1) Obtain an access agreement from the owner of the 752 San Pablo Avenue to collect air samples from his property.
- 2) Collect an indoor air sample from within the basement, as well as an outdoor air control sample for analysis.
- 3) Analyze the air samples at a CAL-EPA certified analytical laboratory for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethyl benzene, and total xylenes (collectively known as BTEX), and naphthalene by TO-15.
- 4) Prepare a report presenting the methods and findings of this assessment.

Details of the assessment are presented below.

TASK 1 OBTAIN AN ACCESS AGREEMENT

ASE will obtain an access agreement from the property owner at 752 San Pablo Avenue to allow for the air sampling on his property.

TASK 2 COLLECT AIR SAMPLES FROM BASEMENT AND UPWIND OUTDOOR LOCATION

An indoor air sample will be collected from inside the basement of 752 San Pablo Avenue. The basement will be evaluated to determine the best location on the date of the sample. If there are



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853

any visible cracks in the slab, a location will be selected as close as possible to the crack. A 5-liter Summa canister with a restrictor will be used to collect the sample over a 24-hour period. The Summa canister will be placed with the inlet at 5 or 6-feet to evaluate the conditions in the breathing zone.

An outdoor control sample will also be collected at the same time as the basement sample. This sample will be collected in the same manner as the basement sample. The sample will be collected in an upwind location.

Both samples will be labeled with the site location, sample designation, date and time the samples are collected, and the initials of the person collecting the sample, as well as the initial and final vacuum of the Summa canister. The samples will then be delivered under chain of custody to a CAL-EPA certified analytical laboratory for analysis.

TASK 3 ANALYZE THE AIR SAMPLES

Each air sample will be analyzed at a CAL-EPA certified analytical laboratory for TPH-G, BTEX and naphthalene by EPA Method TO-15.

TASK 4 PREPARE A REPORT

ASE will prepare a report presenting the methods and findings of this assessment. The report will be submitted under the seal of state registered civil engineer or geologist. This report will include a summary of all work completed during this assessment including tabulated analytical results, conclusions and recommendations. Copies of the analytical report and chain of custody will be included as appendices. The report will also be uploaded to the state Geotracker database.

4.0 SCHEDULE

ASE anticipates conducting the field work within 2 weeks of approval of this workplan by the ACHCSA.



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853

Should you have any questions or comments, please call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

The image shows a handwritten signature in black ink that reads "Robert E. Kitay". To the right of the signature is a circular professional seal. The seal has a double-line border. The outer ring contains the text "PROFESSIONAL GEOLOGIST" at the top and "STATE OF CALIFORNIA" at the bottom, with two small stars on either side. The inner circle contains the name "ROBERT E. KITAY" and the number "No. 6586".

Robert E. Kitay, P.G.
Senior Geologist

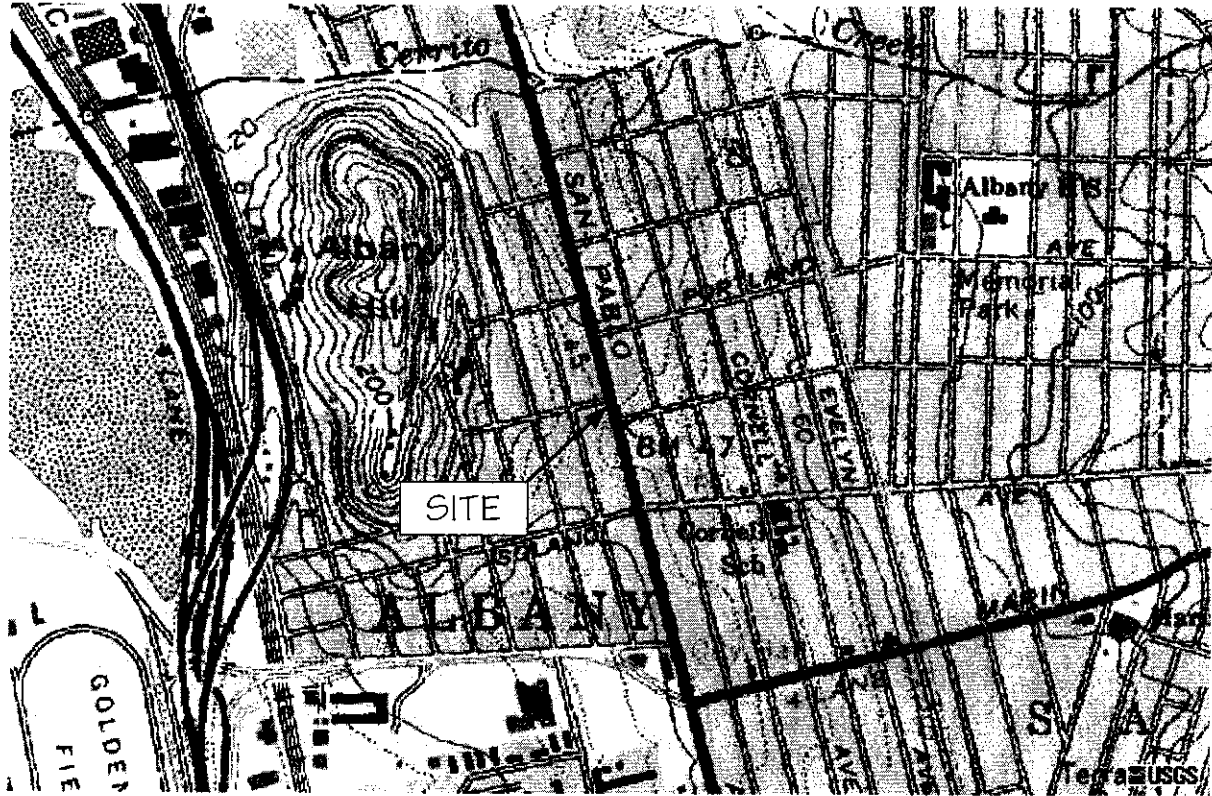


Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853

FIGURES



NORTH



LOCATION MAP

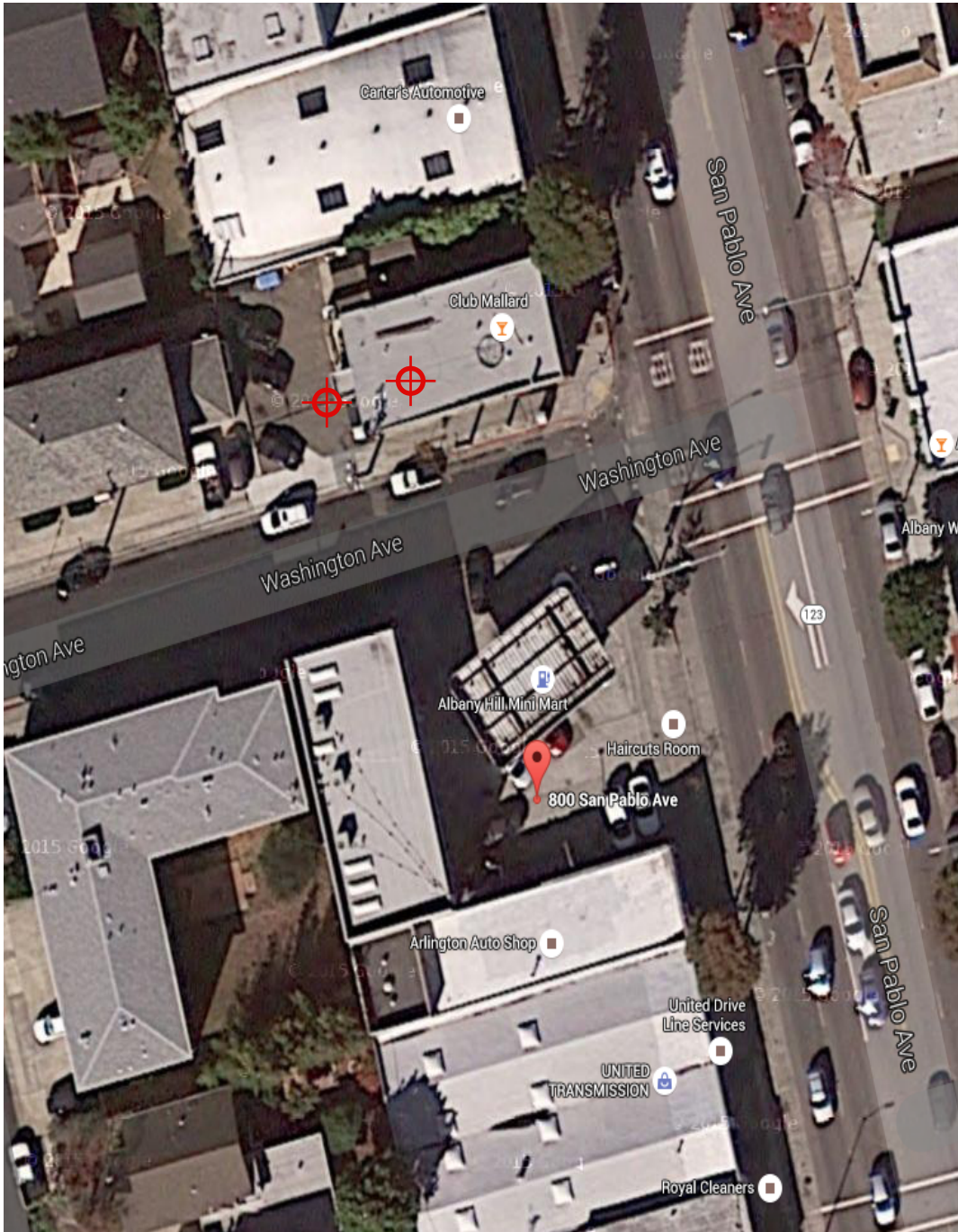
ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC.

Figure 1



NORTH



Proposed Air Sample

**PROPOSED INDOOR AND
OUTDOOR AIR SAMPLE LOCATIONS**

**ALBANY HILL MINI MART
800 SAN PABLO AVENUE
ALBANY, CALIFORNIA**

AQUA SCIENCE ENGINEERS

Figure 2