SITE INVESTIGATION REPORT

Alameda County Fairgrounds
Pleasanton, California

Prepared for:

ALAMEDA COUNTY FAIRGROUNDS
4501 Pleasanton Avenue
Pleasanton, California 94566

Prepared by:

Sellens Consulting LLC
5031 Lourina Court
Fair Oaks, California 95628

Case # RO0002591

August 14, 2005

EXECUTIVE SUMMARY

On June 5, 2006, a site investigation was conducted at the site of the former gasoline UST in the maintenance yard of the Alameda County Fairgrounds in Pleasanton California. The work was conducted in general accordance with SC's approved Work Plan, dated February 28, 2006. The site investigation consisted of the advancing of one continuous core boring (B1), to a depth of 46 feet bgs, during which soil samples were collected and selected for laboratory analysis. When groundwater was encountered, a grab groundwater sample was collected using hydro-punch technology and submitted for laboratory analyses. The investigations identified the following.

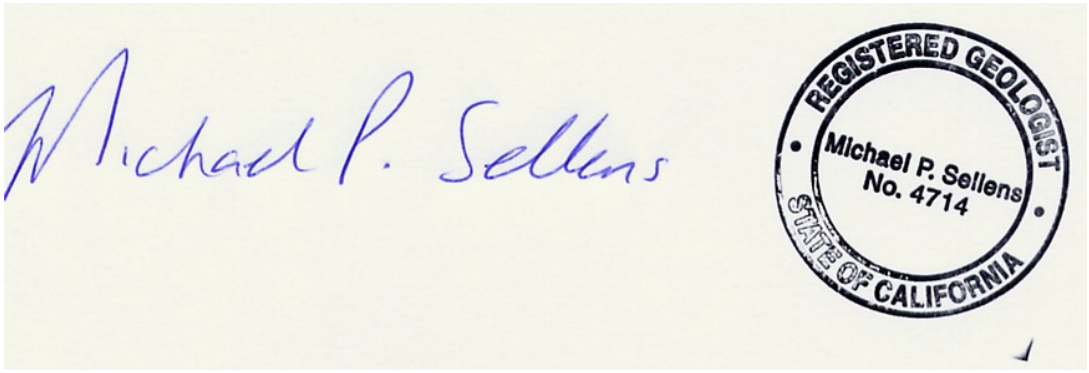
- Three soil samples (B1-10, B1-20, and B1-30) were selected from the vadose zone of a boring (B1) drilled adjacent to the site of the former gasoline UST and dispenser. Laboratory analysis did not report the presence of any petroleum hydrocarbon in any of the soil samples.

- Groundwater was first encountered at a depth of approximately 45 feet bgs, but prior to sampling, the water level inside of the drill rods rose to approximately 37 feet bgs. Laboratory analysis of the grab groundwater sample did not report any TPH-G, BTEX, or fuel oxygenates.

The investigation concluded that the low levels of petroleum hydrocarbons identified in the excavated soils during the removal of the Fairs UST have not migrated through the underlying soils and into the groundwater. Therefore, there is no apparent threat to the groundwater or human health. It is therefore proposed that no further action is required at

the site, and file closure should be processed.

Prepared by



_____ _____

Michael P. Sellens, REA, RG 4714

Sellens Consulting LLC: 5031 Lourina Court, Fair Oaks, CA 95628
Tel; (916) 966-8502 Email: msellens@sbcglobal.net

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1.0 INTRODUCTION

1.1 Introduction

The purpose of this report is to provide details regarding the June 2006 site investigation at the Alameda County Fairgrounds located at 4501 Pleasanton Avenue in Pleasanton, California 94566 (the Fair). Sellens Consulting LLC (SC) on behalf of the Alameda County Fair Association (ACFA) conducted the site investigation and has produced this "Site Investigation Report". The work was conducted following the general guidelines presented in the Site Investigation Workplan" of February 28, 2006. The location of the Fairgrounds is shown on Figure 1.

1.2 Background

On August 5, 2003, a 2,000-gallon double-walled steel UST with a fiberglass lining, was removed from the maintenance yard at the Fairgrounds. The UST had been used to store gasoline for maintenance equipment refueling. The UST had been installed in the 1980's, and had overspill containers and overfill preventive devices installed in 1998. In January 1999, the supply piping was converted to a suction system and the secondary containment piping was upgraded. Upon removal, the UST appeared in good condition with no evidence of corrosion.

Following the removal of the UST, a total of five (5) soil samples were collected and submitted for laboratory analysis. This included, two samples from the UST pit (S-1 and S-2), and one each from the site of the former dispense (S-3), the excavated soil from around the dispenser (SP-1), and the excavated pea gravel (SP-2). Laboratory analysis of the samples, did not report any contaminants in either sample from the tank excavation or the sample at the dispenser. Low levels of petroleum hydrocarbons were reported in the excavated materials, with xylenes (0.018 parts per million (ppm)) and toluene (0.013 ppm) reported in the pea gravel sample, and total petroleum hydrocarbons as gasoline (TPHg) at 26 parts per million (ppm), ethylbenzene at 0.034 ppm, xylenes at 0.3 ppm,

and t-Butyl alcohol at 0.20 ppm, in the soil removed from the dispenser area. Low levels (<5 ppm) of lead were reported in three of the five samples, which are believed to be background levels. The presence of the low levels of hydrocarbons in the excavated material and their absence in the in-place material from the beneath the UST and dispenser indicate ant contamination was removed and no contamination is present in the subsurface. The analytical results from the UST removal are shown in Table 1, with the sampling locations shown in Figure 3.

The excavated material, that reported the presence of the low levels of petroleum hydrocarbons was stockpiled on site, mixed with organic material, and allowed to aerate for approximately four weeks. After which the material was physically inspected by the local regulatory agencies, and approved to be used to backfill in the former UST excavation.

In a letter dated December 14, 2005, the Alameda County Health Care Services Agency (ACHCSA) requested that as the site is located within the Livermore-Amador Groundwater Basin, an active drinking water source, a subsurface investigation needs to be conducted to assess the extent of any soil contamination and determine whether groundwater at the site has been impacted. The Work Plan was prepared and submitted to ACHCSA on February 28, 2006

2.0 SUBSURFACE INVESTIGATION

This section describes the implementation and the findings of the site investigation and groundwater sampling conducted at the site of the former UST in the Fairground's maintenance yard. The fieldwork was conducted on June 5, 2006; in general accordance with SC's approved Work Plan, dated February 28, 2006. Site Photographs are included as Appendix A. Prior to commencing with the fieldwork, a drilling permit was obtained from the Zone 7 Water Agency. A copy of the approved permit is included as Appendix B.

2.1 Investigation Objectives

The objectives of the conducted site investigation at the Fair were as follows:

- Determine if any subsurface contamination is present in the vicinity of the former UST and dispenser. If soil contamination is present, delineate the vertical extent of the contamination.

- Determine if the uppermost groundwater has been impacted with petroleum hydrocarbons.

- Obtain adequate information to determine if any additional work is required, or if no further action should be processed.

2.2 Scope of Work

To meet the objectives outlined above, the following activities were conducted.

- One boring was drilled using a direct-push drilling rig, adjacent to the site of the former UST and dispenser.

- Soil samples were collected at three feet intervals to a total depth of 46 feet bags, where groundwater was encountered. Base upon field observations, three soil samples were submitted for laboratory analysis.

- A grab groundwater sample was collected and submitted for laboratory analysis.

- Analyze and evaluate all collected data.

2.3 Subsurface Investigation

2.3.1 Soil and Groundwater Sampling

On June 5, 2006, one, two-inch diameter, soil boring (B1) was drilled in the Fairgrounds maintenance yard at the site of the former gasoline UST system. The boring location is shown in Figure 3. The boring was drilled to a total depth of 46 feet bags, using a continuous core hydraulic direct-push drilling rig. The surface four feet were hand auger to confirm no underground utilities were present, after which a continuous soil core was advanced in three foot intervals, with the soil cores being collected in clear plastic liners. Soil samples were collected from the cores at five foot intervals. At each five foot interval, the plastic liner tube was cut, after which the exposed ends were covered with a Teflon sheet, sealed with plastic end caps, and the tube was labeled appropriately. Following collection all soil samples were placed on ice in an insulated cooler. The remained of the each core linear was opened and subjected to lithological description and field screening. Based on the soil lithology interpretation a boring log was produced. The boring log for B1 is included in Appendix C.

Soil samples inspected during the drilling did not exhibit any evidence of any soil contamination. However, three soil samples were collected from depths of 10 feet bgs, 20 feet bgs, and 30 feet bgs and submitted for laboratory analysis. The remaining samples were submitted to the laboratory but placed on hold.

Groundwater was initially encountered at a depth of approximately 45 feet bgs. When groundwater was encountered, the soil sampling equipment was removed, and replaced with a hydro-punch sampling system. A groundwater sample was collected by pneumatically advancing the geoprobe rods to a depth of 48 feet bgs, two feet below the bottom of the soil boring. At the selected depth the outer sleeve of the geoprobe was pulled-back to exposure a two foot screened section, through which water entered. Groundwater was allowed to collect inside of the geoprobe rods, prior to a sample being collected with a dedicated bailer. Prior to sampling, the water level in the geoprobe rods had risen to approximately 37 feet bgs.

2.3.2 Laboratory Analysis

2.3.2.1 Soil Analytical Data

Three soil samples, from depths of 10 feet bgs, 20 feet, and 30 feet bgs from boring B1 were submitted for laboratory analysis to McCampbell Analytical (DHS Certification #1644) and analyzed for TPH-G, BTEX, and MTBE by Method 8021B. All samples were handled in accordance with standard protocols and under a chain-of-custody record. Laboratory analysis of all three soil samples did not report the presence of any petroleum hydrocarbons. The laboratory results are summarized in Table 2, with the laboratory report included in Appendix D.

2.4.2.2 Groundwater Analytical Data

A groundwater sample was collected from the borehole (B1) and submitted to McCampbell Analytical and analyzed for TPH-G, BTEX with MTBE (Method 8021/8015Cm) and fuel oxygenates (Method 8260B). The samples were handled in accordance with standard protocols and under a chain-of-custody record. Laboratory analysis of the groundwater sample did not report any TPH-G, BTEX or fuel oxygenates. The groundwater analytical results are summarized in Table 3, with the laboratory analytical report, with the chain-of-custody record is included as Appendix E.

2.3.3 Borehole Abandonment

Following the completion of the soil and groundwater sampling, all drilling and sampling equipment was removed from the boring and the boring was backfilled, using a tremie pipe, with a cement grout to just below the surface. The surface was patched with asphalt cold pattern to match the surrounding surface.

2.3.4 Site Sanitation

All drilling equipment and sampling equipment was cleaned prior to arriving on site. Sampling equipment was cleaned between sampling events, and all sampling equipment was either supplied by the laboratory, or was one-time use only. Due to the drilling method used, no drill cuttings were generated and soil cores not used were left on site. Equipment rinsate water was allowed to evaporate on-site

3.0 CONCLUSIONS

3.1 Conclusions

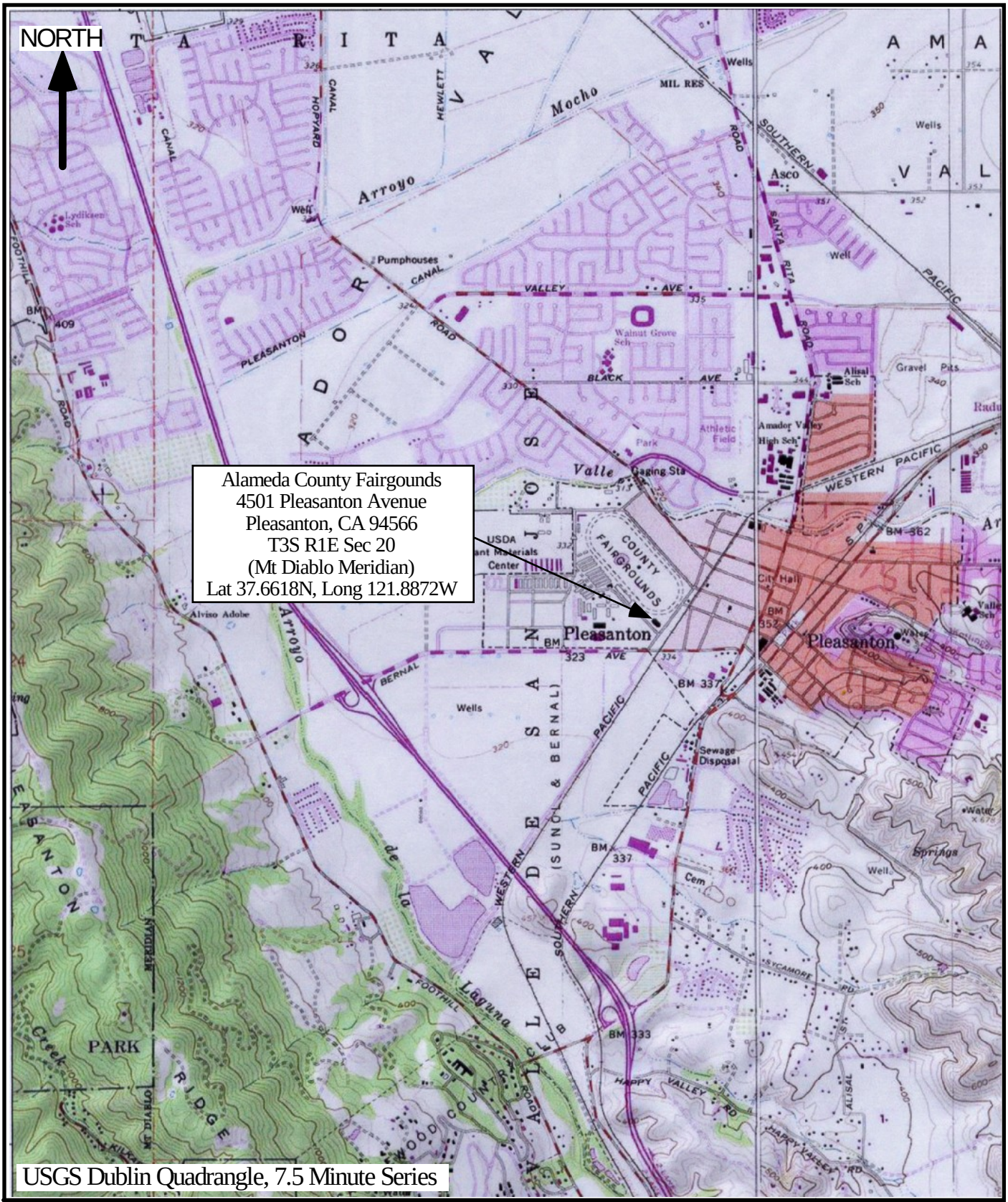
On June 5, 2006, a site investigation was conducted at the site of the former gasoline UST system at the Alameda County Fairgrounds in Pleasanton California. The work was conducted in general accordance with SC's approved Work Plan, dated February 28, 2006. The investigation consisted of the advancing of one continuous core boring, to a depth of 46 feet bgs, from which soil samples were collected and selected for laboratory analysis. When groundwater was encountered, a grab groundwater sample was collected using hydro-punch technology and submitted for laboratory analyses. The investigations identified the following.

- Three soil samples (B1-10, B1-20, and B1-30) were selected from the vadose zone of a boring (B1) drilled adjacent to the site of the former gasoline UST and dispenser. Laboratory analysis did not report the presence of any petroleum hydrocarbon in any of the soil samples.
- Groundwater was first encountered at a depth of approximately 45 feet bgs. Prior to sampling, the water level inside of the drill rods rose to approximately 37 feet bgs. Laboratory analysis of the grab groundwater sample did not report any TPH-G, BTEX, or fuel oxygenates.
- The conducted site investigation did not identify any petroleum hydrocarbons in either the soil or groundwater at the Site.

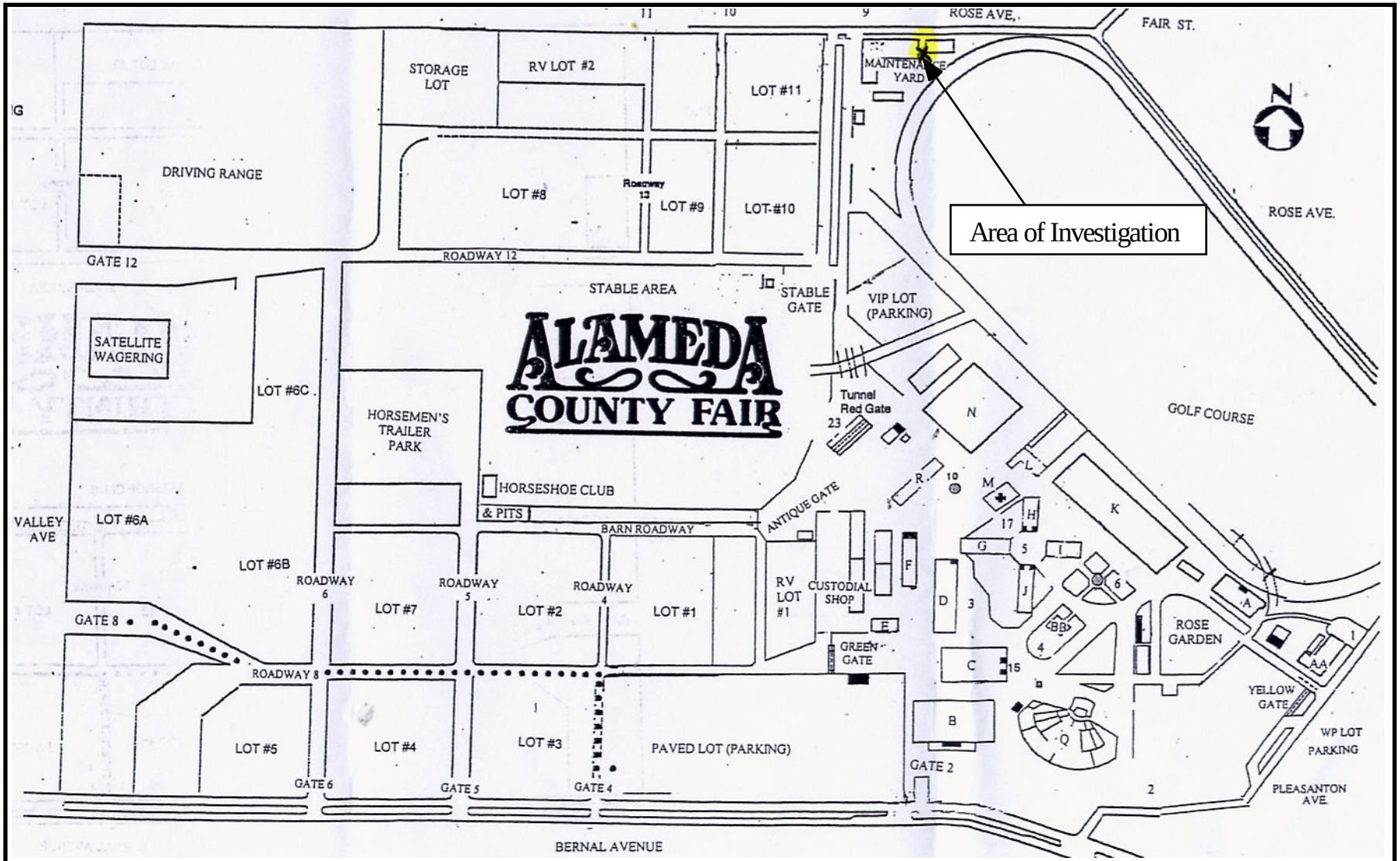
3.2 Further Activities

The investigation concluded that the low levels of petroleum hydrocarbons identified in the excavated soils during the removal of the Fairs UST have not migrated through the underlying soils and into the groundwater. Therefore there is no apparent threat to the groundwater or human health. It is therefore proposed that no further action is required at the site, and file closure should be processed.

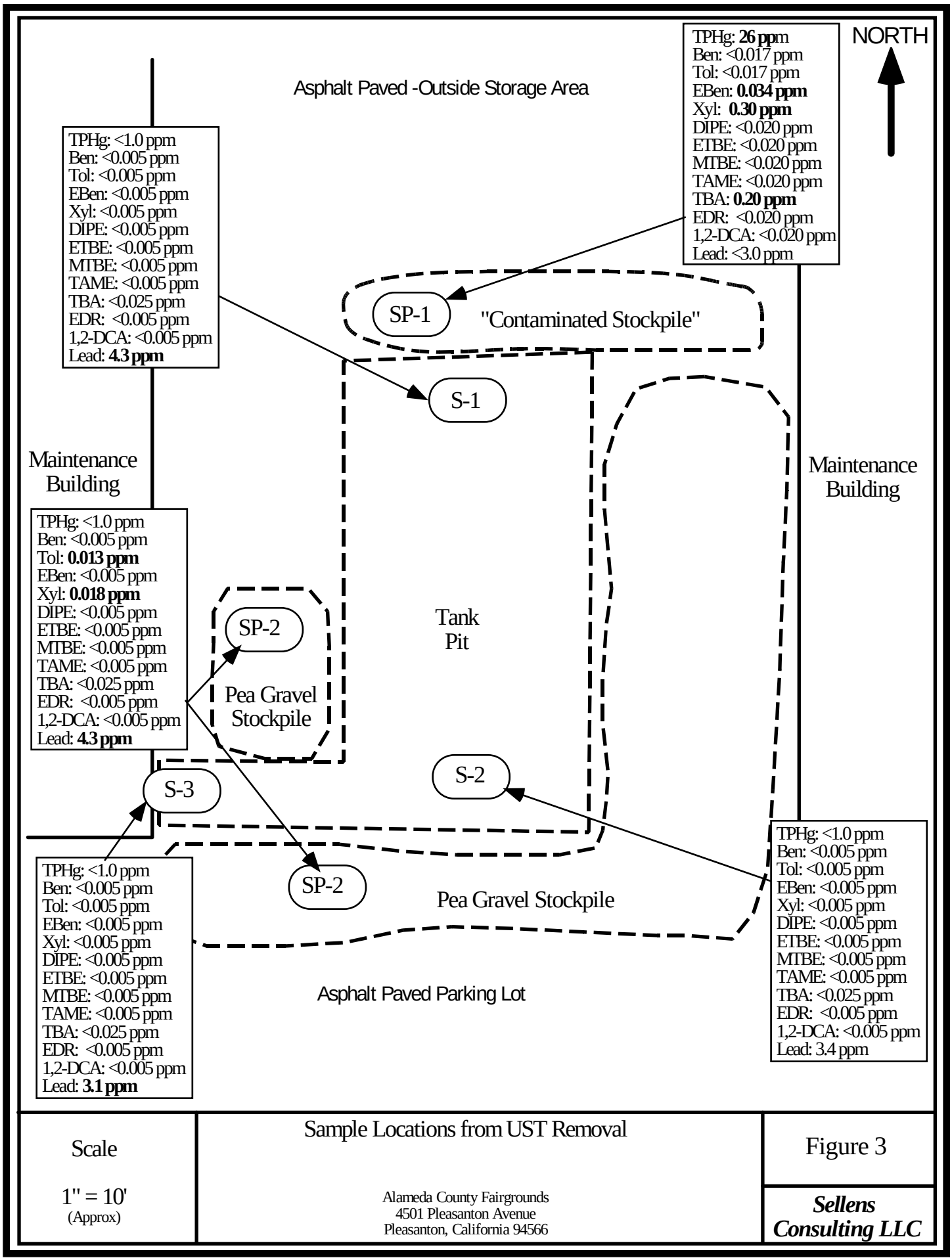
FIGURES



Scale	Topographical Site Location Map	Figure 1
1" = 2,200'	Alameda County Fairgrounds 4501 Pleasanton Avenue Pleasanton, California 94566	***Sellens Consulting LLC***



Scale	Layout of Alameda County Fairgrounds	Figure 2
Not To Scale	4501 Pleasanton Avenue Pleasanton, California 94566	***Sellens Consulting LLC***



Scale

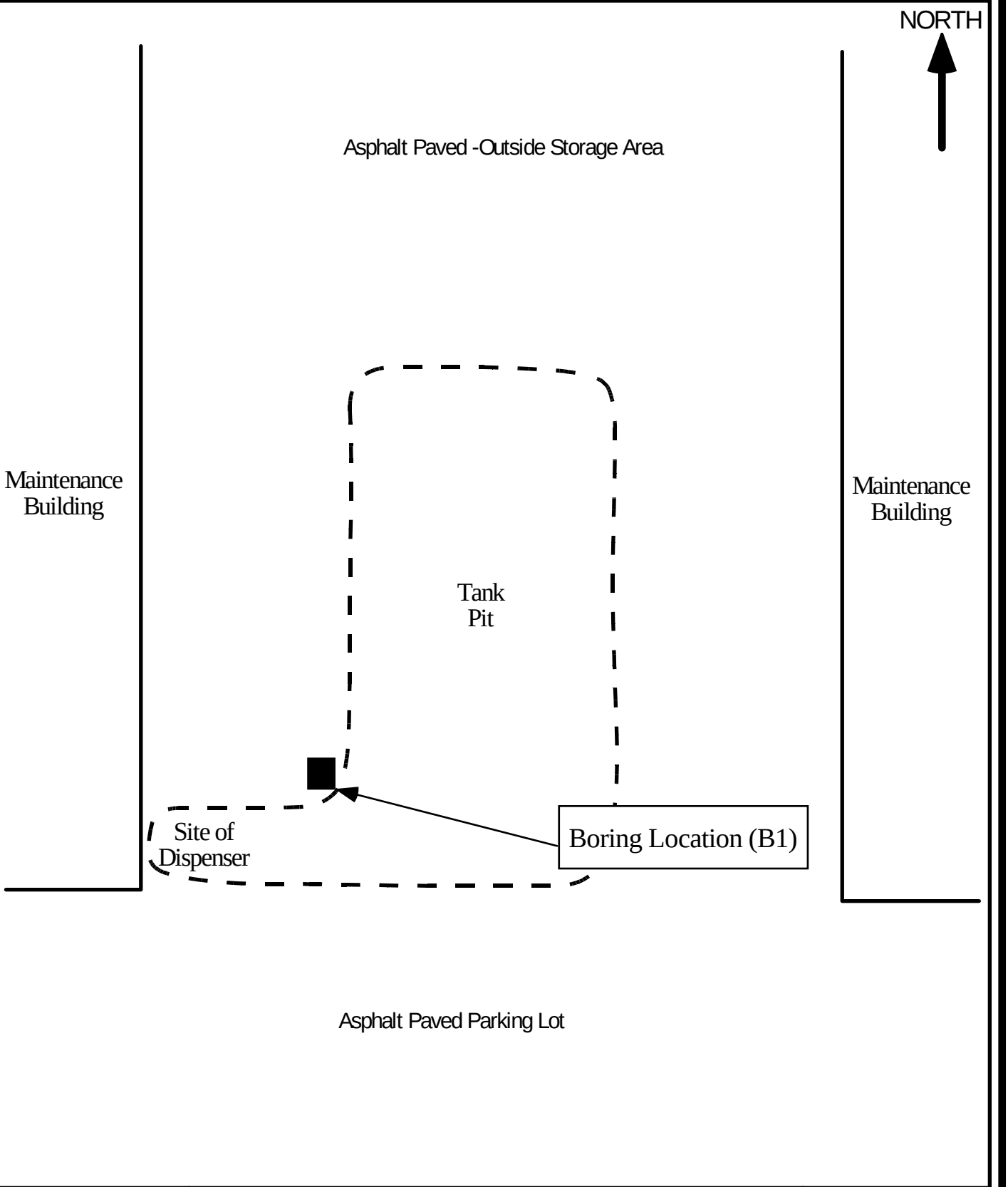
1" = 10'
(Approx)

Sample Locations from UST Removal

Alameda County Fairgrounds
4501 Pleasanton Avenue
Pleasanton, California 94566

Figure 3

Sellens Consulting LLC



Scale	Boring Location Map	Figure 4
1" = 10' (Approx)	Alameda County Fairgrounds 4501 Pleasanton Avenue Pleasanton, California 94566	***Sellens Consulting LLC***

TABLES

Table 1
Analytical Results for Soil Sample from UST Removal, August 2003

Alameda County Fairgrounds, Pleasanton, California

Sample ID	Sample Location	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	MTBE (mg/kg)	EDR (mg/kg)	1,2-DCA (mg/kg)	Lead (mg/kg)
S-1	North end of Tank Pit	ND <1.0	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.025	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	**4.3**
S-2	South end of Tank Pit	ND <1.0	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.025	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	**3.4**
S-3	Beneath Dispenser	ND <1.0	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.025	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	**3.1**
SP-1	"Contaminated Stockpile"	**26**	ND <0.017	ND <0.017	**0.034**	**0.3**	ND <0.005	**0.2**	ND <0.020	ND <0.020	ND <0.020	ND <0.020	ND <0.020	ND <3.0
SP-2	Pea Gravel Stockpile	ND <1.0	ND <0.005	**0.013**	ND <0.005	**0.018**	ND <0.005	ND <0.025	ND <0.005	ND <0.005	ND <0.005	ND <0.005	ND <0.005	**4.3**

mg/kg: micrograms per kilogram, equal to parts per million
ND: Not Detected

Table 2
Analytical Results Soil Sampling, June 2006

Alameda County Fairgrounds, Pleasanton, California

Sample ID	Sample Depth (feet bgs)		Modified EPA Method 8020				
		TPH-G (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
B1-10	10	ND <1.0	ND <0.050	ND <0.005	ND <0.005	ND <0.005	ND <0.005
B1-20	20	ND <1.0	ND <0.050	ND <0.005	ND <0.005	ND <0.005	ND <0.005
B1-30	30	ND <1.0	ND <0.050	ND <0.005	ND <0.005	ND <0.005	ND <0.005

mg/kg: micrograms per kilogram, equal to parts per million

Table 3
Analytical Results for Groundwater Sample, June 2006

Alameda County Fairgrounds, Pleasanton, California

Sample ID	Method 8015Cm/8021						Method SW8260B				
	TPH-G (ug/L)	MTBE (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TAME (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	MTBE (ug/L)
B1	ND <50	ND <5.0	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <5.0	ND <0.5	ND <0.5	ND <0.5

mg/L: micrograms per liter, equal to parts per billion (ppb)
ND: Not Detected

APPENDIX A

Site Photographs

Area of Investigation and Site of Former UST, looking North

Area of Investigation and Site of Former UST, looking North

APPENDIX B

Zone 7 Water Agency Drilling Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Alameda County Fairgrounds
4501 Pleasanton Ave, Pleasanton, CA 94566

California Coordinates Source _____ ft Accuracy _____ ft.
CCN _____ ft. CCE _____ ft.
APN 946-3485-1-6 & 1-7

CLIENT
Name Alameda County Fairgrounds
Address 4501 Pleasanton Ave Phone 925/426-7656
City Pleasanton Zip CA 94566

APPLICANT
Name Sellens Consulting LLC
Fax 916/966-6503
Address 5031 Lourina Court Phone 916/966-8502
City Fair Oaks Zip CA 95628

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	X
Monitoring	X	Well Destruction	

PROPOSED WELL USE

New Domestic		Irrigation	
Municipal		Remediation	
Industrial		Groundwater Monitoring	X
Dewatering		Other	

DRILLING METHOD:

Mud Rotary	Air Rotary	Hollow Stem Auger
Cable Tool	Direct Push X	Other

DRILLING COMPANY PRECISION SAMPLING, INC
DRILLER'S LICENSE NO. CST-636387

WELL PROJECTS
Drill Hole Diameter ~~THREE~~ in. Maximum
Casing Diameter _____ in. Depth ~~60~~ ft.
Surface Seal Depth _____ ft. Number ~~ONE~~

SOIL BORINGS
Number of Borings ONE Maximum
Hole Diameter 2.5-inch in. Depth 50 ft.

ESTIMATED STARTING DATE JUNE 2006 5TH
ESTIMATED COMPLETION DATE JUNE 2006

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE M.P. Sellens Date 5/17/06
Michael Sellens

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 26088
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 6/2/06
Wyman Hong

REGISTERED GEOLOGIST
Michael P. Sellens
No. 4714
STATE OF CALIFORNIA

Revised: April 27, 2005

APPENDIX C

Borehole Log

Legend for Soil Boring Logs

	A/B or F/G	Asphalt/Base or Fill/Gravel
	ML	Silt
	CL	Clay
	SM	Silty Sand
	SC	Clayey Sand
	SM/SC	Silty/Clayey Sand
	SP	Sand
	SP/SM	Silty Sand to Sand or Sandy Silt to Sand
	GL	Gravel

 Gradational Contact

 Abrupt or Clear Contact

 Stabilized Water Reading

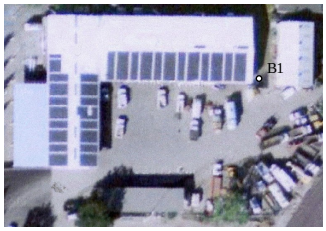
 Initial Water Reading

Boring Log

Sellens Consulting LLC
5031 Lourina Court, Fair Oaks, CA 95628
(916) 966-8502 msellens@sbcglobal.net

Client: Alameda County Fair
Boring No.: B-1
Job Site/ Address: Alameda County Fair
4501 Pleasanton Ave, Pleasanton, CA 94566
Job#:
Sheet: 1 of 2
Date: 6/5/2006

Site Map and Location of Boring



DRILLER INFORMATION

Drilling Co.:	Precision Sampling
Rig Operator:	
Drilling Method:	Continuous Core
Drill Rig Type:	Direct-Push
Approximate Initial Water Level	37.5 feet bgs
Approximate Stabilized Water Level	feet bgs

PROJECT INFORMATION

Project Manager:	Michael Sellens
Geologist:	Michael Sellens
Sampler:	Michael Sellens
Sampling Method:	
Time Start:	10:00 AM
Time Stop:	12:15 PM
Boring Diameter:	2.25 inch
Boring Depth:	46 feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

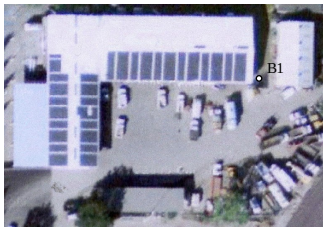
PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
			0					AB	**0-1' Asphalt/Base**
			2						**1-3' Gravel (Fill)**
			4						**3-4' Silty Clay.** Dark brown, plastic, damp, no odor
			6					ML	
			8						
			10	*					**4-12' Clayey Silt.** Brown, v. plastic, damp, no odor
			12						
			14						**12-13.5' Gravels**. Multi-colored, coarse (1/8" dia), angular, loose, no odor
			16						
			18						**13.5-25' Silty Clay**. Medium brown, v. plastic, v. damp, no odor
			20	*					some gravels at 19'
			22					ML	firmer and not so damp @ 21'
			24						
			26						
			28						**25-37' Silty Clay.** Medium brown to grey-brown, v. plastic, v. damp, no odor
			30	*					
			32						
			34						
			36					ML	
			38						**37-40' Clayey Silt.** Medium brown to grey brown, firm, damp, no odor
			40						

Comments:

Boring Log

Job Site/ Address: Alameda County Fair 4501 Pleasanton Ave, Pleasanton, CA 94566	*Sellens Consulting LLC* *5031 Lourina Court, Fair Oaks, CA 95628* (916) 966-8502 msellens@sbcglobal.net	**Client** Alameda County Fair	**Boring No.** B-1
		Job#:	**Sheet** 2 of 2
		Date: 6/5/2006	

Site Map and Location of Boring



DRILLER INFORMATION		PROJECT INFORMATION	
Drilling Co.:	Precision Sampling	**Project Manager:**	Michael Sellens RG
Rig Operator:		**Geologist:**	Michael Sellens RG
Drilling Method:	Continuous Core	**Sampler:**	Michael Sellens RG
Drill Rig Type:	Direct-Push	**Sampling Method:**	Cont Core
Approximate Initial Water Level	37.5 bgs	**Time Start:**	10:00 AM
		Time Stop:	12:15 PM
Approximate Stabilized Water Level	feet bgs	**Boring Diameter:**	2.25 inch
		Boring Depth:	46 feet

Northing: N/A **Easting:** N/A **Elevation:** N/A

PID Reading (ppm)	Depth to Water (feet bgs)	Water Level	DEPTH (feet)	SOIL SAMPLE LOCATION	Graphic Representation: GRAVEL	FINES	SANDS	GROUP SYMBOL	FIELD NOTES
								ML	
			42						
									42-45' Sand. Multi-colored, fine to medium, subrounded, loose, free water at 44', no odor
		▽	44					SP	
									45-46'. Gravel. As sand, cemented, hard
			46					GL	
			48						**Drill to 46', use hydro-punch to 48' and collect groundwater sample.**
			50						
			52						
			54						
			56						
			58						
			60						
			62						
			64						
			66						
			68						
			70						
			72						
			74						
			76						
			78						
			80						

Comments:

APPENDIX D

Analytical Laboratory Report for Soil Samples

MSTO 060606 0~

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: MICHAEL SELLENS Bill To:

Company: SELLENS CONSULTING, LLC

5031 LOURINA COURT

FAIR OAKS, CA 95628 E-Mail: msellens@sbcglobal.net

Tele: (916) 966-8502 Fax: (916) 966-6503

Project #: Project Name: Alameda Fair

Project Location: Alameda Fair

Sampler Signature: M. Sellens

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
B1-5		6/5/06	10:10	1	S		X																									HOLD
B1-10		"	10:15	1	S		X								X																	
B1-15		"	10:25	1	S		X																									HOLD
B1-20		"	10:35	1	S		X								X																	
B1-25		"	10:42	1	S		X																									HOLD
B1-30		"	11:00	1	S		X								X																	
B1-35		"	11:20	1	S		X																									HOLD
B1-40		"	11:33	1	S		X																									HOLD

Other: | Comments: Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
M. Sellens	6/5/07	14:15	Mal Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER
PRESERVATION pH<2

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606085 **ClientID: MSFO** **EDF: YES**

Report to:
Michael Sellens
Michael Sellens
5031 Lourina Ct
Fair Oaks, CA 95628
TEL: (916) 966-8502
FAX: (916) 966-6503
ProjectNo: Alameda Fair
PO:

Bill to:
Accounts Payable
Michael Sellens
5031 Lourina Court
Fair Oaks, CA 95628

Requested TAT: **5 days**
Date Received: **06/05/2006**
Date Printed: **06/05/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606085-002	B1-10	Soil	6/5/06 10:15:00 AM	☐	A	A										
0606085-004	B1-20	Soil	6/5/06 10:35:00 AM	☐	A											
0606085-006	B1-30	Soil	6/5/06 11:00:00 AM	☐	A											

Test Legend:

1	G-MBTEX_S	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Michael Sellens	Client Project ID: Alameda Fair	Date Sampled: 06/05/06
5031 Lourina Ct		Date Received: 06/05/06
Fair Oaks, CA 95628	Client Contact: Michael Sellens	Date Extracted: 06/05/06
	Client P.O.:	Date Analyzed: 06/06/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0606085

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	B1-10	S	ND	ND	ND	ND	ND	ND	1	83
004A	B1-20	S	ND	ND	ND	ND	ND	ND	1	94
006A	B1-30	S	ND	ND	ND	ND	ND	ND	1	85

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0606085

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 22024 Spiked Sample ID: 0606087-002a

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	105	102	2.70	98.4	100	1.60	70 - 130	70 - 130
MTBE	ND	0.10	101	95.4	5.47	97.1	96.6	0.583	70 - 130	70 - 130
Benzene	ND	0.10	95.6	92.6	3.17	90.4	91.3	0.911	70 - 130	70 - 130
Toluene	ND	0.10	94.6	91.9	2.89	90.1	90.8	0.798	70 - 130	70 - 130
Ethylbenzene	ND	0.10	93.2	92.9	0.339	90.6	91.9	1.38	70 - 130	70 - 130
Xylenes	ND	0.30	89.7	89.3	0.372	85.3	88.7	3.83	70 - 130	70 - 130
%SS:	97	0.10	106	88	18.6	98	104	5.94	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 22024 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606085-002A	6/05/06 10:15 AM	6/05/06	6/06/06 6:18 PM	0606085-004A	6/05/06 10:35 AM	6/05/06	6/06/06 9:22 PM
0606085-006A	6/05/06 11:00 AM	6/05/06	6/06/06 6:12 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

APPENDIX E

Analytical Laboratory Report for Groundwater Sample

MSFO 0606092

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY
GeoTracker EDF ☒ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: M. SELLENS Bill To:
Company: SELLENS CONSULTING
5031 LAURINDA COURT
FAIR OAKS CA 95628 E-Mail: msellens@sbcglobal.net
Tele: (916) 966-8502 Fax: (916) 966-6503
Project #: 1 Project Name: Alameda FAIR
Project Location: Alameda FAIR
Sampler Signature: M. Sellens

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8' / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Fuel Oxy (8620)	Other	Other	Comments
#15 B1		6/5/06	12:10	4	W	X									X																X			Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
M. Sellens	6/5/06	14:15	[illegible] Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION ✓ VOAS O&G METALS OTHER pH<2

COMMENTS:

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606092 **ClientID: MSFO** **EDF: YES**

Report to:
Michael Sellens
Michael Sellens
5031 Lourina Ct
Fair Oaks, CA 95628

TEL: (916) 966-8502
FAX: (916) 966-6503
ProjectNo: Alameda Fair
PO:

Bill to:
Accounts Payable
Michael Sellens
5031 Lourina Court
Fair Oaks, CA 95628

Requested TAT: **5 days**

Date Received: **06/05/2006**
Date Printed: **06/05/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606092-001	B1	Water	6/5/06 12:10:00 PM	☐	B	A	A									

Test Legend:

1	5-OXYS_W	2	G-MBTEX_W	3	PREDF REPORT	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Michael Sellens	Client Project ID: Alameda Fair	Date Sampled: 06/05/06
5031 Lourina Ct		Date Received: 06/05/06
Fair Oaks, CA 95628	Client Contact: Michael Sellens	Date Extracted: 06/05/06
	Client P.O.:	Date Analyzed: 06/05/06

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0606092

					Reporting Limit for DF =1	
Lab ID	0606092-001B					
Client ID	B1					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND				NA	0.5
t-Butyl alcohol (TBA)	ND				NA	5.0
Diisopropyl ether (DIPE)	ND				NA	0.5
Ethyl tert-butyl ether (ETBE)	ND				NA	0.5
Methyl-t-butyl ether (MTBE)	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1:	104					
Comments	i					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Michael Sellens	Client Project ID: Alameda Fair	Date Sampled: 06/05/06
5031 Lourina Ct		Date Received: 06/05/06
Fair Oaks, CA 95628	Client Contact: Michael Sellens	Date Extracted: 06/08/06
	Client P.O.:	Date Analyzed: 06/08/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0606092

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B1	W	ND,i	ND	ND	ND	ND	ND	1	106
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E502.2

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606092

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 22026	Spiked Sample ID: 0606092-001B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	94	93.7	0.384	97.5	98.9	1.36	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	104	103	1.09	98.8	97.7	1.06	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	101	101	0	104	104	0	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	89.7	89.5	0.268	93.1	93.6	0.490	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	92.2	90.9	1.45	94.8	95.7	0.933	70 - 130	70 - 130
%SS1:	104	10	97	95	1.86	102	101	1.75	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 22026 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606092-001B	6/05/06 12:10 PM	6/05/06	6/05/06 8:02 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606092

EPA Method:SW8021B/8015Cm Extraction:SW5030B BatchID: 22028 Spiked Sample ID 0606105-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	105	113	7.31	105	110	4.44	70 - 130	70 - 130
MTBE	ND	10	93.8	96.3	2.58	101	112	10.4	70 - 130	70 - 130
Benzene	ND	10	97.6	103	5.14	85.4	102	17.9	70 - 130	70 - 130
Toluene	ND	10	89.6	97.3	8.29	84.3	95.8	12.8	70 - 130	70 - 130
Ethylbenzene	ND	10	97.5	104	6.45	98.2	101	3.32	70 - 130	70 - 130
Xylenes	ND	30	90.7	95.3	5.02	90.7	95.3	5.02	70 - 130	70 - 130
%SS:	105	10	101	104	2.95	98	100	1.76	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 22028 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606092-001A	6/05/06 12:10 PM	6/08/06	6/08/06 6:53 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.