

November 17, 2000

Mr. Barney Chan Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

10-479-03-006

Subject: Well Rehabilitation and Replacement Report

6301 San Pablo Avenue Oakland, California

Dear Mr. Chan:

On behalf of Ms. Connie Lam, Alisto Engineering Group is pleased to submit this report on the rehabilitation and replacement of monitoring wells at 6301 San Pablo Avenue, Oakland, California.

Please call if you have questions or need additional information.

Sincerely,

ALISTO ENGINEERING GROUP

Brady Nagle

Project Manager

Enclosure

cc: Ms. Connie Lam (with enclosure)

Mr. Brad Ledesma, ExxonMobil (with enclosure)

WELL REHABILITATION AND REPLACEMENT REPORT

6301 San Pablo Avenue Oakland, California NOV 2000

Alisto Project No. 10-479

November 2000



MONITORING WELL REHABILITATION AND REPLACEMENT REPORT

6301 San Pablo Avenue Oakland, California

Project No. 10-479-03-006

Prepared for:

Ms. Connie Lam 200 Dorado Terrace San Francisco, California

Prepared by:

Alisto Engineering Group 3732 Mt. Diablo Boulevard, Suite 270 Lafayette, California

November 7, 2000

Brady Nagle

Project Manager

Al Sevilla, P.E.

Principal





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of Custody Records



1.0 INTRODUCTION

Alisto Engineering Group was retained by Ms. Connie Lam to rehabilitate existing monitoring wells and install a replacement well at 6301 San Pablo Road, Oakland, California. A site vicinity map is shown on Figure 1, and a site plan is shown on Figure 2.

1.1 Purpose and Scope of Work

The scope of work was developed to address the concerns of the Alameda County Health Care Services Agency as set forth in the March 3 and May 3, 2000 letters. In accordance with the approved work plan dated June 6, 2000, the scope of work included the following tasks:

- Obtained a permit to install one onsite groundwater monitoring well
- Drilled and logged one soil boring for collection of soil samples and installation of Monitoring Well MW-5
- Rehabilitated existing Wells MW-2 and MW-3, which were damaged during construction activities
- Developed and surveyed Monitoring Wells MW-2, MW-3 and MW-5
- · Analyzed soil samples for specific hydrocarbon constituents and physical parameters
- Evaluated the data and analytical results and prepared this report

1.2 Site Location and Description

The property at 6301 San Pablo Road is currently doing business as Oil Changers, and is on the northwest corner of San Pablo Avenue and 63rd Street in Oakland, California. The site was formerly a Mobil service station with underground storage tanks and is currently under an ongoing environmental investigation to assess dissolved-phase petroleum hydrocarbons in soil and groundwater. All tanks, dispensers, and associated piping have been removed from the site.

The elevation of the site is approximately 50 feet above mean sea level with regional surface topography sloping generally to the west. Properties neighboring the site are commercial to the north and south and residential to the west. East of the site, across San Pablo Avenue, is Golden Gate Jr. High School.

2.0 FIELD METHODS

A well installation permit was obtained from the Alameda County Public Works Department before commencing with field activities. A copy of the permit is included in Appendix A. The methods and procedures used during the field activities are described in the following sections.



2.1 Drilling and Soil Sampling for Well Installation

On September 6, 2000, Soil Boring MW-5 was drilled onsite at the location shown on Figure 2 to a depth of approximately 21.5 feet. The boring was drilled by V&W Drilling using a Mobile B-61 drilling rig equipped with 10-inch-diameter, hollow-stem augers. Soil samples were collected at depth intervals of 5 feet, beginning at 5 feet below grade to the total depth of the boring. Each soil sample was field screened using a Thermo Model 580B organic vapor meter to assist in selecting samples for laboratory analysis. The drilling and soil sampling procedures are presented in Appendix B.

Soil samples were described in general accordance with the Unified Soils Classification System, including color, moisture, density, and consistency. The boring log prepared for MW-5 is presented in Appendix C.

2.2 Monitoring Well Installation and Construction

Boring MW-5 was converted into Monitoring Well MW-5 in accordance with the field procedures described in Appendix B. The well was constructed of 4-inch-diameter, flush-threaded, Schedule 40 PVC casing, with blank casing from the surface to 5 feet and 0.010-inch slotted screen to 20 feet. Well construction details for all the wells are included in the boring logs presented in Appendix C.

2.3 Monitoring Well Rehabilitation

On September 6, 2000, Monitoring Wells MW-2 and MW-3, which were damaged during reconstruction of the property in 1999, were rehabilitated by V&W Drilling. In both wells, approximately 3 feet of temporary piping was installed from the top of the well casing to the ground surface, where a concrete slab had been installed. The opening in the concrete slab was first enlarged to accommodate a replacement well vault. The soil around the casing was removed by hand, and the temporary piping removed to expose the well casing at approximately 3 feet below grade. The well casing was cut to remove any damaged portion, and a new section of 4-inch-diameter well casing installed to approximately ½ foot below grade. The neat cement seal was extended to near the surface grade, and street-rated well vaults installed at the well head.

After conducting the well repair, approximately 10 feet of soil was removed from Monitoring Well MW-2 by inserting 1-inch-diameter PVC piping into the well and using compressed air to lift the soil to the surface. This procedure was repeated until all soil was removed and the total depth of the well casing was restored. There was no soil or debris observed in Monitoring Well MW-3.

2.4 Monitoring Well Development and Surveying

Monitoring Wells MW-2, MW-3, and MW-5 were developed on October 8, 2000 to consolidate and stabilize the filter pack to optimize well production and reduce the turbidity of subsequent groundwater samples. The monitoring wells were developed using a submersible pump to evacuate the water and sediment. Development continued until the groundwater was



relatively free of sediment (approximately 10 casing volumes). Well development fluids were placed into DOT-approved drums for disposal to an approved facility. Well development data is presented in the field survey forms in Appendix D.

All the wells were surveyed to the top of each well casing in reference to an established benchmark by a licensed land surveyor, Frame Surveying & Mapping, Davis, California. The survey data for the three wells are included in Appendix E.

3.0 ANALYTICAL METHODS

Soil samples collected during installation of Monitoring Well MW-5 were analyzed by Argon Laboratories, Inc., a state-certified laboratory, using standard test methods of U.S. EPA and the California Department of Health Services for the following:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Methods 8015A and California LUFT Manual
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method Modified 8020A
- Methyl tert-butyl ether (MTBE) using EPA Method Modified 8020A

The laboratory results for the soil samples are summarized in Table 1. The field procedures for chain of custody documentation, the laboratory reports, and chain of custody records are included in Appendix F.



TABLE 1 - SUMMARY OF RESULTS OF SOIL SAMPLING 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-479

BORING LOCATION	DEPTH OF SAMPLE (feet)	DATE OF SAMPLING	TPH-G (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	LAB
MW-5	11-11.5	9/6/00	ND<1.0	0.009	ND<0.005	ND<0.005	0.014 ND -0.005	ND<0.050 ND<0.050	Argon
MW-5	16-16.5	9/6/00	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.050	Argon

ABBREVIATIONS:

TPH-G Total petro	oleum hydrocarbons	as gasoline
-------------------	--------------------	-------------

B Benzene
T Toluene

E Ethylbenzene X Total xylenes

MTBE Methyl tert butyl ether mg/kg Milligrams per Kilogram Argon Argon Laboratories, Inc.



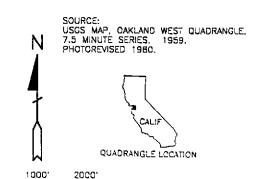
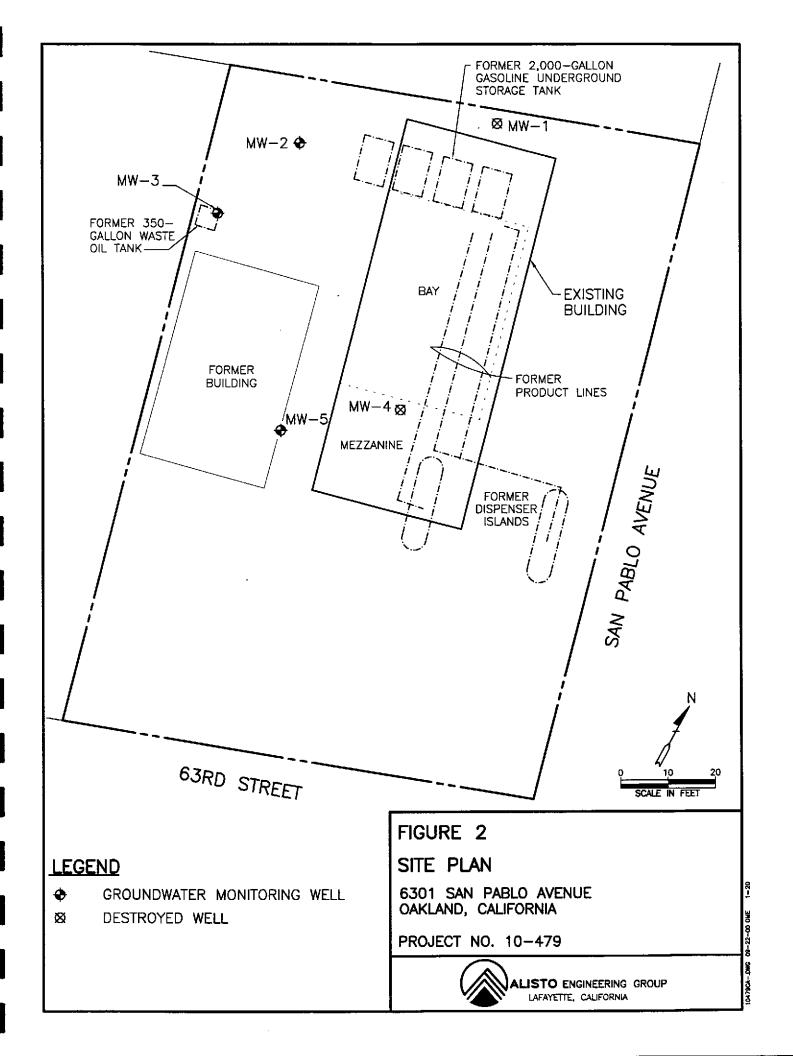


FIGURE 1
SITE VICINITY MAP

6301 SAN PABLO AVENUE OAKLAND, CALIFORNIA

PROJECT NO. 10-309





APPENDIX A WELL INSTALLATION PERMIT

AUG. -23' 00 (WED) 16:30 ALISTO ENGINEERING

APPLICANT'S DATE \$/23/00

TEL:925 295 1823



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION R. HAYWARD, CH 94544

PHONE (SID) GTO-5554

FAX 510-7-82-1939

DRILLING PERMIT	APPLICATION
FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT FARMER Mobil	PERMIT NUMBER WOO 500
5to tran No. 19 - 105	WELL NUMBER
GOAL SOM FABLO ANT ORGANO	APN
California Coordinates Source 1/CCE 1. Accuracy = 1.	PERMIT CONDITIONS
APN	Circled Fermit Requirements Apply
	A. GENERAL
CLIENT Name Candie LAM	1) A permit application should be submitted so as to
Address and Dange Terrace Phone 413. 973-052)	STITUTE AS THE ACPWA OFFICE FIVE days prior to
City Son Typosisen Zip 94/12	proposed starting date.
· — • • • • • • • • • • • • • • • • • •	2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water
NAME PLACE NORTH NAME PLACE NAME	Resources - 41
Ovus Fax 975 1963 - 677	WELL DOWN
Address 7723 Mt. Diahlo Blue Phone 905. 963 6970	COMPLETION RESCEN
Cly Later 170 98 370 20 945 49	1) Permit is void if project not begun within 90 days of
	E. WATER SUPPLY WELLS
TYPE OF PROJECT Well Construction Geotechnical Invasification	1. Minimum surface seal thickness is two inches of
Well Construction Geotechnical Invastigation Cathodic Protection D General D	compatitional placed by tremie-
Water Supply D Contamination D	2. Minimum seal depth is 50 feet for municipal and
Manitoring Well Destruction O	industrial wells or 20 feet for domestic and imigation
, , , , , , , , , , , , , , , , , , ,	wells unless a lesser dapth is specially approved.
PROPOSED WATER SUPPLY WELL USE	C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
New Damastic C Replacement Domastic C	Minimum surface seal thickness is two inches of
Municipal O Infiguillan O N/A	nament grout placed by termis.
Industrial Other	2. Minimum scal depth for monitoring welts is the
AALLE MA MOONING	maximum depth practicable or 20 feet
DRILLING METHOD: Mud Rotary Alt Relaty Augus Augus	D. GEOTECHNICAL
Cable O Other 1	Backfill born hale with compacted cuttings of heavy
	benjanite and upper two feet with compacted material.
DRILLER'S LICENSE NO. C57 - 720904 640-4-30	1-02. In areas of known or suspected contamination, tremled common grout shall be used in place of campacted cultings.
100000	E. CATHODIC
WELL PROJECTS VOUNTY	Fill hale above anode zone with concrete placed by gentle.
Casing Diameter 3 in. Depth AC R.	F. WELL DESTRUCTION
Surface Seal Depth 5 1 Number MW	Saw attached.
1	(570) 670-6633
GEOTECHNICAL PROJECTS Number of Borings	Call Same you are cons
Hole Drameter In Death It.	(c) SPECIAL CONDITIONS (all Sames you at (570) 670-6633 for Appetin the.
	0.14
ESTIMATED STARTING DATE 9/6/00	11. 901) 2. 25 X-14-6
ESTIMATED COMPLETION DATE	APPROVED DATE()
1 1	/ // [
t hereby agree to comply with \$11 regularements of this permit and	$\langle N \rangle$
Alamada Caratti Ondiana St. 73 59	~ ~ ~

APPENDIX B

FIELD PROCEDURES FOR DRILLING, SOIL SAMPLING, AND GROUNDWATER MONITORING WELL INSTALLATION

FIELD PROCEDURES FOR DRILLING, SOIL SAMPLING, AND GROUNDWATER MONITORING WELL INSTALLATION

Drilling

The soil borings were drilled using 10-inch-diameter, hollow-stem augers. To avoid cross-contamination, drilling equipment in contact with potentially contaminated material was decontaminated by steam cleaning before and after each use. Decontamination fluids were placed into DOT-approved drums for disposal.

Soil Sampling

During drilling, samples were collected at intervals of up to 5 feet, beginning at 5 feet below grade to the total depth of the borings. Before and after each use, the sampler was washed using a phosphate-free detergent followed by tap water and deionized water rinses. Soil was sampled using a California-modified, split-spoon sampler lined with stainless steel tubes. A 140-pound slide hammer falling 30 inches was used to advance the sampler 18 inches ahead of the hollow-stem augers into undisturbed soil, and blow counts were recorded for every 18 inches of penetration to evaluate the density of the soil.

After retrieval from the augers, the sampler was split, the sample tubes were removed, and a soil sample was selected for possible chemical analysis. The sample was retained within the stainless steel tube, and both ends were immediately covered with Teflon sheeting and polyurethane caps. The caps were sealed with tape and labeled with the following information: Alisto's project number, boring number, sample depth interval, sampler's initials, and date of collection. The sample was immediately placed in a waterproof plastic bag and stored in a cooler containing blue ice. Possession of the samples was documented from the field to a state-certified analytical laboratory by using a chain of custody form.

Soil samples and, when representative, drill cuttings were described by Alisto's personnel using the Unified Soils Classification System; and field estimates of soil type, color, moisture, density, and consistency were noted on the boring logs. The logs were reviewed by a civil engineer registered in the State of California.

Groundwater Monitoring Well Installation

Construction of the groundwater monitoring wells was based on the stratigraphy encountered in the soil borings. The well construction materials were introduced into the boring through the hollow-stem augers to centralize the well casing and minimize the possibility of native material entering the annular space of the well.

The 4-inch-diameter PVC well casing consisted of 0.010-inch slotted casing from the bottom of the boring to a depth interval above the highest anticipated water level, and solid casing was installed from the top of the slotted casing to approximately 4 inches below grade.

FIELD PROCEDURES FOR DRILLING, SOIL SAMPLING, AND GROUNDWATER MONITORING WELL INSTALLATION (continued)

The annular space surrounding the screened portion was backfilled with No. 2/12 Lonestar sand (filter pack) to approximately 1 foot above the top of the screened section. An approximately 0.5-foot-thick interval of bentonite pellets was added to the annulus above the filter pack and hydrated with approximately 2 to 3 gallons of deionized water to minimize intrusion of well seal into the filter pack. A 3-foot-thick interval of Portland Type I/II neat cement was placed above the bentonite, and a traffic-rated utility box was installed around the top of the well casing. An expanding, watertight well cap and lock were installed on top of the well casing to secure the well from surface fluid and tampering.

APPENDIX C BORING LOG AND WELL CONSTRUCTION DETAILS

Al		O ENGINEERING GROUP AYETTE, CALIFORNIA		LO	G OF WELL	MW-5	Page 1 of 1
s	EE	SITE PLAN	WELL OWN LOCATIO DRILLING	NER: Ex. N: 6301 S G METHOD:	San Pablo Ave, Oakla : 10" Hollow-stem a (: V & W Drilling	and, California	
BLOWS/6 IN.	PID VALUES	WELL DIAGRAM	DEPTH feet SANPLES	GRAPHIC LOG SOIL CLASS		GEOLOGIC DESCRIPTION	
8, 9,12 7,12,13 8, 8, 7	0 3 1 NR	4" Sch 40 PVC Casing 4" Sch 40 PVC Casing [111111111111111111111111111111111111	Settinatival 10	CL SC	stiff, fine sand (6	at. AY: light brown with blue mottli 5%), occasional coarse sand. ty brown, moist, very stiff, fin , dense, fine to medium graine	e sand 20%

j

APPENDIX D

GROUNDWATER MONITORING WELL DEVELOPMENT FIELD SURVEY FORMS

ALISTO

Field Report / Development Data Sheet

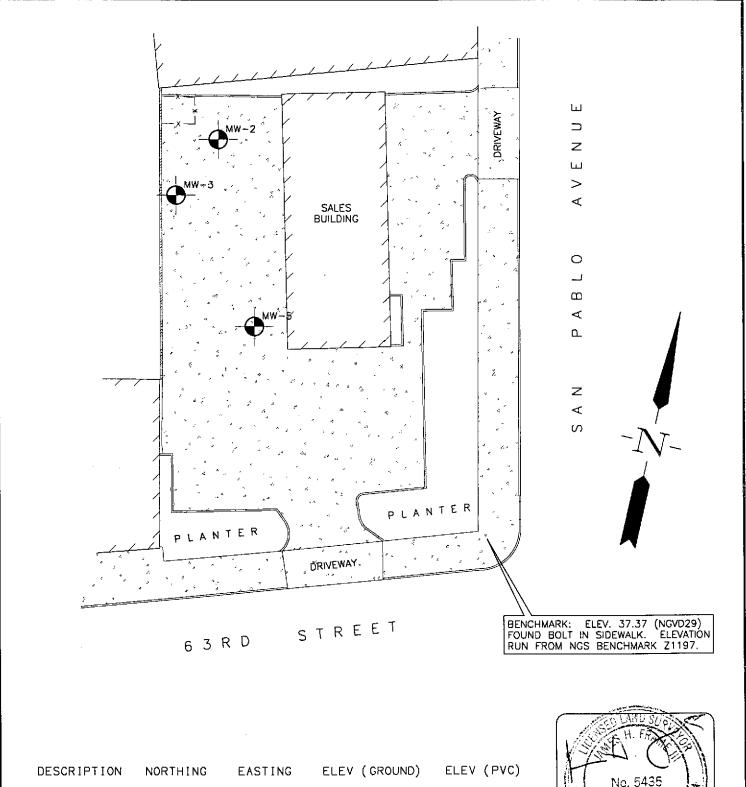
ENGINE	ERING GRO	UP				Project No.		10-479-03-003			Date:	10-8-00
						Address		6301 San Pablo Ave		ve	Day:	MTWTHF(SUN)
	. DIABLO BO					Contrac	t No.	n/a				Oakland
LAFAYE	TTE, CALIFO	ORNIA 94	549 (925)9	62-6970 FA)	< 962-6971	Statio	on No.	Oil Chang	jers <u> </u>	Sampler:		DOBIRCH
	DEPTH TO GROUNDWATER SUMMARY											
WELL	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME MONITORED	СОММ	ENTS:				
MW-2		4"	201	7.11				<u>.</u>				
MW-3		4"	20	9-06								
MW-5		4"	20'	7.27								
CONDU- LEAK DE Well ID MW-L Total Dept	PH METER A.00											
-				LIGDE OWN	nch ODisp. Bo		ys Port	 			·	TIME/SAMPLE ID
Comme	ints: E	eoifli	up i	af tu	17 gallo	ns, Di	y@/	2 -				
					PAGE	_OFZ	<u> </u>					

ALISTO

Field Report / Development Data Sheet

ENGINEERING		Project No.	10-479-03-003			Date: 10-8-00
GROUP		Address	6301 San Pablo Ave			Day: MTWTHF (ダルカ)
3732 MT. DIABLO BOULEVARD, SUITE 270	Co	ontract No.	n/a			City: Oakland
LAFAYETTE, CALIFORNIA 94549 (925)962-6970 FAX 962-6971		Station No.	Oil Char		Sampler:	
	Gal.	Time Temp *I	рН	Ee.	D.O.	O EPA 601
MW-2 7:11 & de/k none Y (N)	b	1533 65.1	6.99	75.11	rus	O TPH-G/BTEX
Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PulgeVol.	1]	1545 64-6	7.07	33-2		O TPH Diesel
	18	1600 64-9	7:10	10.6	UTUS	O TOG 5520
Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bo	ailer(s)_	OSys Port				TIME/SAMPLE ID
Comments: Clears up lasily						ACULOPMENT
Well ID epith to Wat Diam Dap/Loci Product De Iridescend	Gal.	Time Temp*F	- рН	_E.e	D.O.	O EPA 601
MW-3 9:06 4 de/de Y (N)	5_	16/6 64-6	7.21	1916		O TPH-G/BTEX
Total Depth - Water Level= x Well Vol. Factor= x#vol, to Purge= PurgeVol.	10	1621 64-9	7.30	12-2	4	O TPH Diesel
	15	1633 64.9	7-3/	5-21	VTUS	O TOG 5520
Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bo	ailer(s)_	OSys Port				TIME/SAMPLE ID
Comments: Clean up lasity.						
Well ID epth to Wat Diam Cap/Loci Product De Iridescend	Gal.	Time Temp *	- рН	E.C.	D.O.	O EPA 601
YN			1			O TPH-G/BTEX
			1 1	١ ,		T Of BILIT
Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.						O TPH Diesel
Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.						<u> </u>
Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol. Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Baller(s) OSys Po	ort					O TPH Diesel
	ort					O TPH Diesel O TOG 5520
Purge Method: OSurface Pump ODIsp.Tube OWinch ODIsp. Baller(s) OSys Po	ort					O TPH Diesel O TOG 5520
Purge Method: OSurface Pump ODIsp.Tube OWinch ODIsp. Baller(s) OSys Po	ort					O TPH Diesel O TOG 5520
Purge Method: OSurface Pump ODIsp.Tube OWinch ODIsp. Baller(s) OSys Po	ort					O TPH Diesel O TOG 5520
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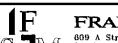
APPENDIX E WELL ELEVATION SURVEY MAP



	DESCRIPTION	NORTHING	EASTING	ELEV (GROUND)	ELEV (PVC)
	MW-2 MW-3 MW-5	5125. 4 5105. 6 5071. 3	4954. 1 4945. 1 4977. 9	39. 6 39. 5 39. 4	39. 34 39. 27 39. 18
3	15 30	60	g	90	

No. 5435

LICENSE EXPIRES
SEPTEMBER 30, 2004



FRAME SURVEYING & MAPPING

609 A Street Davis, CA 95616 (530) 756-8584 (TEL) (530) 756-8201 (FAX)

SCALE IN FEET

A 95616 8201 (FAX) 0140-039

MONITORING WELL EXHIBIT

6301 SAN PABLO AVENUE OAKLAND, ALAMEDA COUNTY, CALIFORNIA SEPTEMBER. 2000 1'= 30'

APPENDIX F

FIELD PROCEDURES FOR CHAIN OF CUSTODY DOCUMENTATION, LABORATORY REPORTS, AND CHAIN OF CUSTODY RECORDS

FIELD PROCEDURES FOR CHAIN OF CUSTODY DOCUMENTATION

Samples were handled in accordance with the California Department of Health Services' guidelines. Each sample was labeled in the field and immediately stored in an iced cooler for transport to a state-certified laboratory for analysis.

A chain of custody record accompanied the samples and included the site and sample identification, date of collection, analysis requested, and the name and signature of the sampling technician. When transferring possession of the samples, the transferee signed and dated the chain of custody record.

30N Laboratories, Inc.

3037 5th Street • Ceres, CA 95307 • (209) 581-9280 • Fax (209) 581-9282

ALISTO ENGINEERING GROUP 3732 MT. DIABLO BLVD., SUITE 270 LAFAYETTE, CA 94549

REPORT DATE: 09/20/00 DATE SAMPLED: 09/06/00

ATTN: BRADY NAGLE CLIENT PROJ. ID: 10-479-3-4

AL JOB #: A09081

Project Summary:

On September 12, 2000, this laboratory received & soil samples.

Samples were analyzed according to instructions in accompanying chain-of-custody. Results of analysis are summarized on the following pages. Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Sample Control at (209)581-9280.

Lab Director

V Laboratories, Inc.

3037 5th Street · Ceres, CA 95307 · (209) 581-9280 · Fax (209) 581-9282

ALISTO ENGINEERING GROUP 3732 Mt. Diablo Blvd., Suite 270 Lafayette, CA 94549

Proj. ID: 10-479-3-4 Site: 6301 San Pablo Ave. Oakland, CA

TPH-gas / BTX&E / MTBE

Method: 8015M / 8020A

Date Sampled: 09/06/00 Date Received: 09/12/00 Date Analyzed: 09/12/00

Sar	o ID: mple ID: trix:	A09082 MW-5 11-11½ Soil	A09083 MW-5 16-16½ Soil
Total Petroleum Hydroc @ Gasoline	arbons	<1.0	<1.0
Benzene		0.009	<0.005
Toluene		<0.005	<0.005
Xylenes		<0.005	<0.005
Ethyl Benzene		0.014	<0.005
Methyl tert-Butyl Ether		<0.050	<0.050
QA/QC: Surrogate Spike Recovery: Trifluorotoluene		73%	70%

Lab Director

DHS Certification No. 2359

^{*} water samples are reported in ug/L; soil and sludge samples in mg/kg

ARGON Laboratories, Inc.

3037 5th Street • Ceres, CA 95307 • (209) 581-9280 • Fax (209) 581-9282

ALISTO ENGINEERING GROUP 3732 Mt. Diablo Blvd., Suite 270 Lafayette, CA 94549

Proj. ID: 10-479-3-4

Site: 6301 San Pablo Ave. Oakland, CA Blank / QC Data

Method: 8015M / 8020A

Date Analyzed: 09/12/00

Total Petroleum Hydrocart @ Gasoline	bons <50		
Benzene	<0.5		
Toluene	<0.5		
Xylenes	<0.5		
Ethyi Benzene	<0.5		
Methyl tert-Butyl Ether	<5.0		
Surrogate Spike Recovery:	81%		

Matrix Spike Recovery Summary

Lab ID	Client ID	Analyte	Percent Recovery MS / MSD	%RPD	
A09061	NSA SB3-10	Ethyl Benzene	94 / 94	0	

^{*} water samples are reported in ug/L; soil and sludge samples in mg/kg

ARGON Laboratories, Inc.

3037 5th Street · Ceres, CA 95307 · (209) 581-9280 · Fax (209) 581-9282

ALISTO ENGINEERING GROUP 3732 Mt. Diablo Blvd., Suite 270 Lafayette, CA 94549

Date Analyzed: 09/13/00

Proj. ID: 10-479-3-4

Site: 6301 San Pablo Ave.; Oakland, CA

Matrix: Soil

Blank / QC Data

EPA Method: 7420

Lab ID	Sample ID	Result	Reporting Limit (mg/L)
BLKA0913	Blank	ND	5.0

Matrix Spike Recovery Summary

Lab ID	Client ID	Analyte	Percent Recovery MS / MSD	% RPD
A08172	TP B1-12.0	Lead	99 / 103	4

ALISTO ENGINEERING GROUP CHAIN OF CUSTODY

Project Information:				Report To:								Samples Submitted To:					
Project No: 10-479-3-4 Project Title: WELL REMANIFICATION AND VOLGERMENT Location: 6201 Say Hablo AVE, CAK MINE!				Consultant: Alisto Engineering Group								Laboratory: A/4414					
Project Title: 1151 A la hill to the				Address: 3732 Mt. Diablo B			Soulevan				1. 2×	划 つ	274 St. 201				
Location:							Lafayette, CA 94549					0 <a 0="" 2017<="" td="">					
6301 Sam Mahla Also Callery							Brady Nagle						Contact	: ````	(C)	71 95 201	
Sampler's Name:							(925) 962-6970						Phone:				
cample straine.											Fax: 301.58/.9280						
(print) DAN									Tuk. /					/	· 1 d 8 0		
Sampler's Signature:				Bill To:						Date Results Required:							
	15/1	0 11			Consultant: Alisto Engineering								1				
	1/18				Address: 3732 Mt. Diablo Boulevard, Suite 270						70		Dale Report Required:				
					Lafayette, CA 94549												
	TUI	RN AROUND TI								ANAL	LYSIS						
RUSH 24	Hour	48 Hour	5 Day	Standard				1									
			-	(10-14 days)		er l								!			
	 1				1	à l						1					
l l i i				\square	2	*)											
				\overline{c}	5 G	8		l i			!				,		
					8 8	<u> </u>		1 1			l i						
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