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Alameda County  
Environmental Health

Declaration from the Responsible Party

Letter Report

Groundwater Monitoring Conducted 20 March 2007

2440 East Eleventh Street

Oakland CA

**RO No. 29**

Dated 10 April 2007

Prepared by Streamborn, Berkeley CA

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.

Jeffrey Eandi  
Vice President  
Eandi Metal Works  
976 Twenty-Third Avenue  
Oakland CA 94606

Signed



Dated



Jeffrey M. Eandi  
Eandi Metal Works  
976 Twenty-Third Avenue  
Oakland CA 94606

10 April 2007

Project No. P279

Letter Report  
Groundwater Monitoring Conducted 20 March 2007  
2440 East Eleventh Street  
Oakland CA  
**RO No. 29**

Dear Mr. Eandi:

This letter report documents the results of groundwater monitoring conducted 20 March 2007 for five monitoring wells at the property. The results of our work are summarized in the following:

- Table 1 provides a chronology of environmental activities.
- Table 2 provides a bibliography.
- Table 3 summarizes groundwater level and gradient data.
- Table 4 summarizes groundwater purging and sampling information. Purge water generated during sampling was containerized onsite in labeled drums.
- Table 5 summarizes the groundwater analytical data.
- Figure 1 provides a location map (USGS).
- Figure 2 shows a vicinity map.
- Figure 3 provides a site plan.
- Figure 4 shows the groundwater levels and gradient (20 March 2005).
- Attachment 1 contains the groundwater sampling forms
- Attachment 2 contains the laboratory reports and chain-of-custody forms.
- Attachment 3 contains information regarding our well search.

The groundwater monitoring results for 20 March 2007 are consistent with historic results; in general, contaminant concentrations continue to decrease with time. The next groundwater monitoring event is scheduled circa September-October 2007.

At the request of Alameda County, we have re-interpreted the results of our previously-reported well search. Attachment 3 contains the following information:

- On 14 June 2006, at our request, James Yoo/Alameda County Public Work conducted a search of the Alameda County database. We requested that the search be conducted covering a 2,000-foot radius of the subject site.

The computerized search results identified approximately 312 “wells”, the vast majority of which were monitoring wells, borings, test wells, or cathodic protection wells. Monitoring wells, borings, test wells, and cathodic protection wells were eliminated from consideration.

We located the remaining wells on a map and some were found to reside outside the 2,000-foot radius - the wells outside the 2,000-foot radius were eliminated from further consideration.

- On 13 June 2006, at our request, the California Department of Water Resources conducted a search of wells within Sections 6 and 7, Township 2 South, Range 3 West. This search area encompassed desired 2,000-foot search radius for the subject site.

The search results identified 10 wells that we located on a map. One well was found inside the 2,000-foot search radius.

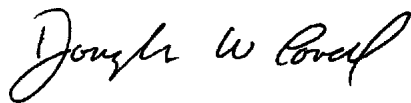
- Table 3-1 and Figure 3-1 summarize the wells documented within a 2,000-foot radius of the former underground tank and 2440 East Eleventh Street.

Given the local and regional groundwater gradient toward the southwest, none of the documented wells are positioned downgradient of the contaminant plume at 2440 East Eleventh Street. Accordingly, (1) we do not believe any documented wells will act as potential conduits to exacerbate contaminant migration in groundwater, and (2) we do not believe any documented wells will provide human exposure to contaminated groundwater.

Please contact us with any questions or comments.

Sincerely,

STREAMBORN



Douglas W. Lovell, PE  
Geoenvironmental Engineer

Attachments



Electronic Submission: This report was uploaded to the Alameda County server.

**Table 1 (Page 1 of 2)**  
**Environmental Chronology**  
**2440 East Eleventh Street**  
**Oakland CA**

Date	Performed By	Event
Unknown	Unknown	<ul style="list-style-type: none"> <li>• 1,000-gallon underground leaded gasoline tank was installed.</li> </ul>
15 August 1991	Eandi Metal Works	<ul style="list-style-type: none"> <li>• The 1,000-gallon tank was emptied of product. Use of the tank was discontinued.</li> </ul>
11 May 1992	Unknown	<ul style="list-style-type: none"> <li>• The 1,000-gallon tank was removed and soil and groundwater contamination was discovered.</li> </ul>
10 July 1995	AGI Technologies	<ul style="list-style-type: none"> <li>• Five soil borings were drilled. Soil samples were collected and analyzed for TPH-gasoline, BTEX, MtBE, and total metals.</li> <li>• Three of the borings were completed as monitoring wells (MW1, MW2, and MW3). The other two borings (E1 and E2) were grouted.</li> <li>• Water levels were measured in wells MW1, MW2, and MW3.</li> <li>• MW1, MW2, and MW3 were developed and groundwater samples were collected. Samples were analyzed for TPH-gasoline, BTEX, MtBE, and total lead.</li> <li>• An elevation survey was conducted for MW1, MW2, and MW3.</li> </ul>
17 July 1995	AGI Technologies	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, MtBE, and total lead.</li> </ul>
20 October 1995	AGI Technologies	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, and total lead.</li> </ul>
25 January 1996	AGI Technologies	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, MtBE, and total lead.</li> </ul>
25 April 1996	AGI Technologies	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, MtBE, and total lead.</li> </ul>
11 - 12 June 2001	Kleinfelder	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, and total lead.</li> </ul>
5 February 2002	Kleinfelder	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, MtBE, and total lead.</li> </ul>
9 June 2004	Streamborn	<ul style="list-style-type: none"> <li>• Using a backhoe, the excavation for the former tank was partially re-excavated.</li> <li>• Soil samples were collected from the base (7.5-8 feet below ground surface) and each of the four sidewalls (5-5.5 feet below ground surface) by exposing native soil and driving a brass liner into the exposed soil.</li> <li>• Soil samples were analyzed for TPH-diesel/kerosene/stoddard solvent, TPH-gasoline, BTEX, fuel oxygenates, and total lead.</li> </ul>
12 August 2004	Streamborn	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, fuel oxygenates, and total lead.</li> <li>• Seven geoprobe borings (B1-B7) were drilled to depths between 20 and 32 feet. Soil samples were collected continuously in the borings.</li> <li>• Two soil samples were retained from each of the borings for chemical analysis. One soil sample approximately coincided with the depth of groundwater observed during drilling and the other soil sample coincided with the bottom of the boring. Soil samples were analyzed for TPH-gasoline, BTEX, fuel oxygenates, and total lead.</li> <li>• Temporary casings were installed in the borings and water levels allowed to stabilize for at least one hour. Water levels were measured.</li> <li>• Purged groundwater samples were collected from the temporary casings. Samples were analyzed for TPH-gasoline, BTEX, fuel oxygenates, and total lead.</li> <li>• The temporary casings were removed from the borings and the borings were grouted.</li> </ul>
17-23 September 2004	Streamborn	<ul style="list-style-type: none"> <li>• Using a backhoe, the excavation for the former tank was completely re-excavated. The excavated soil was air-dried and replaced in the excavation using <math>\pm 2</math>-foot lifts. Each lift was compacted using a whacker. 6 inches of imported Class II aggregate base was placed as the final lift of soil.</li> <li>• The pavement and sidewalk were repaved with reinforced concrete. The concrete thickness was 8 inches. The reinforcement was #5 rebar on 12-inch centers.</li> </ul>
2 March 2005	Streamborn	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in MW1, MW2, and MW3.</li> <li>• Groundwater samples were collected from MW1, MW2, and MW3. Samples were analyzed for TPH-gasoline, BTEX, and fuel oxygenates.</li> </ul>

**Table 1 (Page 2 of 2)**  
**Environmental Chronology**  
**2440 East Eleventh Street**  
**Oakland CA**

Date	Performed By	Event
28 September 2006	Streamborn	<ul style="list-style-type: none"> <li>• Two direct push borings were drilled to 17 feet. Soil samples were collected continuously during drilling and selected samples were analyzed for TPH-gasoline, BTEX, fuel oxygenates, total lead, and lead scavengers (1,2-dichloroethane and ethylene dibromide).</li> <li>• Each boring was subsequently overdrilled using a hollow-stem auger and completed as a two-inch diameter, 17-foot deep monitoring well (MW4 and MW5).</li> <li>• MW4 and MW5 were elevation surveyed.</li> </ul>
2 October 2006	Streamborn	<ul style="list-style-type: none"> <li>• Wells MW4 and MW5 were developed.</li> <li>• Groundwater levels were measured in wells MW1, MW2, MW3, MW4, and MW5.</li> <li>• Groundwater samples were collected from MW1, MW2, MW3, MW4, and MW5. Samples were analyzed for TPH-gasoline, BTEX, fuel oxygenates, total lead, and lead scavengers (1,2-dichloroethane and ethylene dibromide).</li> </ul>
20 March 2007	Streamborn	<ul style="list-style-type: none"> <li>• Groundwater levels were measured in wells MW1, MW2, MW3, MW4, and MW5.</li> <li>• Groundwater samples were collected from MW1, MW2, MW3, MW4, and MW5. Samples were analyzed for TPH-gasoline, BTEX, and fuel oxygenates.</li> </ul>

General Notes

- (a) TPH = total petroleum hydrocarbons.
- (b) BTEX = benzene, toluene, xylenes, and total xylenes.
- (c) MtBE = methyl tert-butyl ether.

**Table 2**  
**Bibliography**  
**2440 East Eleventh Street**  
**Oakland CA**

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- Streamborn (2002). *Workplan, Soil and Groundwater Sampling, 2440 East Eleventh Street, Oakland CA*. Prepared for Eandi Metal Works, Oakland CA. Prepared by Streamborn, Berkeley CA. Project No. P279. 28 June 2002.
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**Table 3**  
**Groundwater Level and Gradient Data**  
**2440 East Eleventh Street**  
**Oakland CA**

Location	MW1		MW2		MW3		MW4		MW5		Groundwater Gradient	
Ground Surface Elevation	21.68		21.36		20.21		20.27		19.71			
Diameter(inches)	2		2		2		2		2			
Measuring Point GPS Coordinates	N 37° 46.808' W 122° 14.135'		N 37° 46.804' W 122° 14.152'		N 37° 46.799' W 122° 14.176'		N 37° 46.799' W 122° 14.170'		N 37° 46.812' W 122° 14.181'			
<b>Measuring Point Elevation</b>	<b>TOC N Side = 21.28</b>		<b>TOC N Side = 21.06</b>		<b>TOC N Side = 19.82</b>		<b>TOC N Side = 19.58</b>		<b>TOC N Side = 19.06</b>			
Intercepted Interval	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Depth	Elev	Direction	Magnitude
	9 to 20	1.7 to 12.7	9 to 20	1.4 to 12.4	9 to 20	0.2 to 11.2	6 to 17	3.3 to 14.3	6 to 17	2.7 to 13.7		
14 July 1995	9.72	11.56	10.74	10.32	10.95	8.87						
17 July 1995	11.11	10.17	10.93	10.13	11.04	8.78						
20 October 1995	11.96	9.32	11.92	9.14	12.11	7.71						
25 January 1996	8.14	13.14	8.23	12.83	8.83	10.99						
11-12 June 2001	10.35	10.93	11.50	9.56	11.08	8.74						
5 February 2002	11.00	10.28	11.10	9.96	11.30	8.52						
12 August 2004	10.95	10.33	11.17	9.89	11.77	8.05					N 115° W	0.02
2 March 2005	8.25	13.03	8.44	12.62	9.36	10.46					N 120° W	0.03
2 October 2006	11.08	10.20	11.15	9.91	11.79	8.03	11.48	8.10	11.28	7.78	N 126° W	0.02
20 March 2007	10.96	10.32	10.78	10.28	10.91	8.91	10.57	9.01	10.41	8.65	N 127° W	0.01
Total Depth (Last Measurement)	19.9		19.9		19.7		17.4		17.3			

General Notes

- (a) Measurements are cited in units of feet. Elevations are referenced to the NGVD29 - Mean Sea Level (MSL) datum.
- (b) NM = not measured.
- (c) TOC = top of PVC casing. N = north. Measuring points were the top of the PVC casing, north side.
- (d) Streamborn (Berkeley CA) measured GPS coordinates using a Garmin GPS II meter.
- (e) HTT Engineering (Oakland CA) surveyed the elevation of MW1 to the NGVD29 - Mean Sea Level (MSL) datum on 6 September 2006.
- (f) Streamborn (Berkeley CA) surveyed the elevations of the remaining wells on 28 September 2006.
- (g) The intercepted intervals correspond to the sand pack interval. The depths of the intercepted intervals were measured relative to the adjacent pavement or ground surface.

**Table 4**  
**Well Purging and Sampling Information Since 2001**  
**2440 East Eleventh Street**  
**Oakland CA**

Well No.	Sample Date	Sample Type	Purge Method	Purge Duration (minutes)	Approximate Volume Purged (gallons)	Volume Purged (static water casing volumes)	Purged Dry?	Dissolved Oxygen (mg/L)	pH	Specific Conductance (µS/cm)	Temp (°C)	ORP (mV)	Turbidity/Color
MW-1	11 Jun 01	Grab	SPP	NM	20	NC	no	NM	6.8	310	21.4	NM	NM
	5 Feb 02	Grab	SPP	NM	4	NC	no	NM	6.6	290	18.8	NM	NM
	12 Aug 04	Grab	SPP	4	5	±3	no	1.1	7.0	230	18.8	-130	Clear/none
	2 Mar 05	Grab	SPP	7	6	±3	no	2.2	6.9	230	17.1	-160	Clear/none
	2 Oct 06	Grab	SPP	7	5	±3	no	1.0	6.6	380	17.7	-130	Translucent/gray
	20 Mar 07	Grab	SPP	25	5	±3	no	0.8	6.8	410	16.1	-130	Clear/none
MW-2	12 Jun 01	Grab	SPP	NM	15	NC	no	NM	7.1	430	17.2	NM	NM
	5 Feb 02	Grab	SPP	NM	4	NC	no	NM	6.6	400	16.8	NM	NM
	12 Aug 04	Grab	SPP	4	5	±3	no	2.0	6.8	510	18.9	-170	Turbid/gray
	2 Mar 05	Grab	SPP	7	6	±3	no	2.2	6.7	490	17.7	-220	Clear/none
	2 Oct 06	Grab	SPP	7	5	±3	no	1.0	6.7	490	18.0	-110	Clear/none
	20 Mar 07	Grab	SPP	20	5	±3	no	1.0	6.9	490	16.7	-170	Clear/none
MW-3	12 Jun 01	Grab	SPP	NM	12	NC	no	NM	7.4	440	17.2	NM	NM
	5 Feb 02	Grab	SPP	NM	4	NC	no	NM	6.6	410	17.8	NM	NM
	12 Aug 04	Grab	SPP	8	4	±3	no	1.7	6.6	440	19.0	-150	Clear/none
	2 Mar 05	Grab	SPP	6	5	±3	no	2.3	6.8	500	18.1	-200	Clear/none
	2 Oct 06	Grab	SPP	6	4	±3	no	1.0	6.8	490	18.8	-60	Clear/none
	20 Mar 07	Grab	SPP	25	4	±3	no	1.6	6.7	540	16.8	-60	Clear/none
MW-4	2 Oct 06	Grab	SPP	24	14	±16	no	4.6	7.1	630	18.5	180	Translucent/brown
	20 Mar 07	Grab	SPP	15	3	±3	no	1.2	6.5	470	15.7	170	Clear/none
MW-5	2 Oct 06	Grab	SPP	35	22	±24	no	3.4	7.0	600	19.1	30	Translucent/brown
	20 Mar 07	Grab	SPP	23	3	±3	no	0.9	6.9	580	16.6	-70	Clear/none

General Notes

- (a) NM = not measured.
- (b) NC = not calculated.
- (c) ORP = oxidation-reduction potential.
- (d) SPP = submersible purge pump.
- (d) Measurements cited in this table correspond to the end of purging (time of sampling).

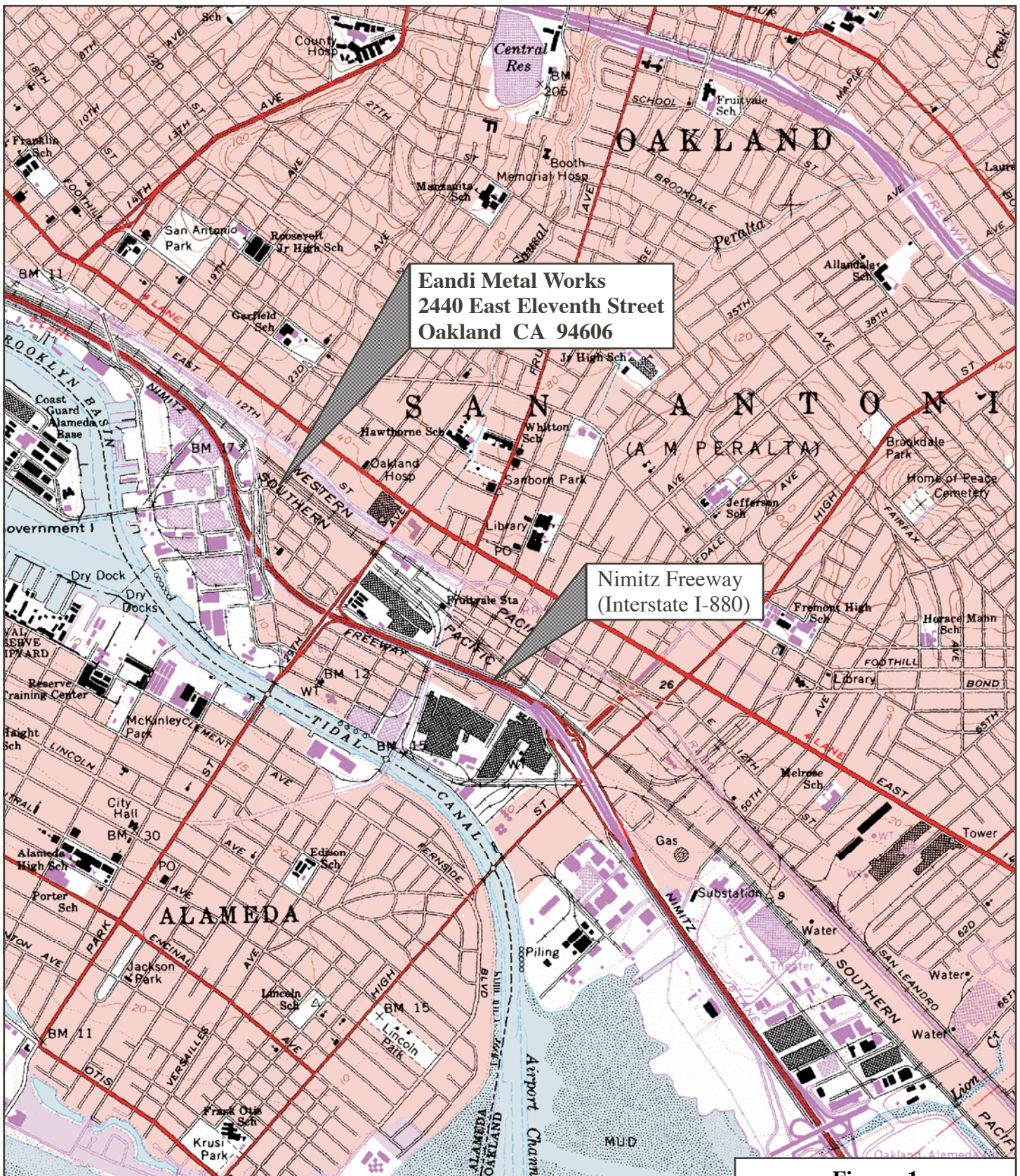


**Table 5**  
**Groundwater Analytical Data from Monitoring Wells**  
**2440 East Eleventh Street**  
**Oakland CA**

Location	Sample Date	Sample Type	Total Lead (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	1,2-Dichloroethane (µg/L)	Ethylene Dibromide (µg/L)	MtBE (µg/L)	Other Fuel Oxygenates (EPA Method 8260) (µg/L)
MW1	17 Jul 1995	Grab	<40	22,000	390	2,000	800	5,300	NM	NM	<125	NM
	20 Oct 1995	Grab	<40	14,000	270	540	360	1,800	NM	NM	NM	NM
	25 Jan 1996	Grab	<40	16,000	740	1,300	490	2,700	NM	NM	<500	NM
	25 Apr 1996	Grab	<40	4,600	180	450	190	1,000	NM	NM	<250	NM
	11 Jun 2001	Grab	14	7,100	14	35	240	720	NM	NM	NM	NM
	5 Feb 2002	Grab	3.7	9,300	6.3	11	230	560	NM	NM	<0.7	NM
	12 Aug 2004	Grab	<5	2,900	9.1	6.0	130	160	NM	NM	0.72	<0.5 to <5
	2 Mar 2005	Grab	NM	950	1.9	0.60	19	4.0	NM	NM	0.80	<0.5 to <5
	2 Oct 2006	Grab	<100	830	4.1	0.80	44	7.8	<0.5	<0.5	<0.5	<0.5 to <100
20 Mar 2007	Grab	NM	470	2.1	<0.5	8.5	1.8	<0.5	NM	0.63	<0.5 to <100	
MW2	17 Jul 1995	Grab	56.4	21,000	370	1,700	930	5,100	NM	NM	<125	NM
	20 Oct 1995	Grab	<40	730	18	27	26	7.9	NM	NM	NM	NM
	25 Jan 1996	Grab	<40	14,000	74	660	1,000	2,600	NM	NM	670	NM
	25 Apr 1996	Grab	<40	13,000	370	440	1,000	2,900	NM	NM	<500	NM
	12 Jun 2001	Grab	7.7	3,200	11	6.2	170	270	NM	NM	NM	NM
	5 Feb 2002	Grab	3.5	2,900	7.6	3.8	220	160	NM	NM	<0.7	NM
	12 Aug 2004	Grab	<5	3,100	2.6	1.8	<0.5	13	NM	NM	<0.5	<0.5 to <5
	2 Mar 2005	Grab	NM	3,700	<5	<2.5	340	22	NM	NM	<2.5	<2.5 to <25
	2 Oct 2006	Grab	<100	7,200	<2.5	3.0	380	30	<2.5	<2.5	<2.5	<2.5 to <500
20 Mar 2007	Grab	NM	7,000	<5.0	<5.0	370	34	<5.0	NM	<5.0	<5.0 to <1,000	
MW3	17 Jul 1995	Grab	153	8,400	1,200	150	1,000	1,700	NM	NM	<125	NM
	20 Oct 1995	Grab	<40	5,800	600	590	43	340	NM	NM	NM	NM
	25 Jan 1996	Grab	<40	10,000	1,200	290	870	1,300	NM	NM	<250	NM
	25 Apr 1996	Grab	<40	8,900	830	140	1,000	1,000	NM	NM	400	NM
	12 Jun 2001	Grab	7.4	1,800	37	4.5	98	19	NM	NM	NM	NM
	5 Feb 2002	Grab	4.4	1,100	32	2.1	76	9.5	NM	NM	<0.5	NM
	12 Aug 2004	Grab	<5	1,100	4.5	<0.5	6.0	1.8	NM	NM	1.4	<0.5 to <5
	2 Mar 2005	Grab	NM	3,000	27	3.0	76	22	NM	NM	<2.5	<2.5 to <25
	2 Oct 2006	Grab	<100	1,500	6.6	<0.5	5.0	2.5	<0.5	<0.5	<0.5	<0.5 to <100
20 Mar 2006	Grab	NM	2,200	15	1.6	14	12	<0.5	NM	0.52	<0.5 to <100	
MW4	2 Oct 2006	Grab	<100	<50	<0.5	<0.5	0.96	<0.5	<0.5	<0.5	<0.5	<0.5 to <100
	20 Mar 07	Grab	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NM	<0.5	<0.5 to <100
MW5	2 Oct 2006	Grab	<100	3,000	20	0.97	69	130	<0.5	<0.5	2.6	<0.5 to <100
	20 Mar 07	Grab	NM	2,800	13	1.5	27	35	<0.5	NM	1.6	<0.5 to <100

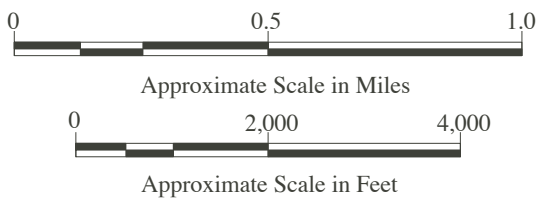
General Notes

- (a) TPH = total petroleum hydrocarbons. MtBE = methyl tert-butyl ether.
- (b) NM = not measured.
- (c) Samples were collected using a Teflon bailer fitted with a bottom-emptying device.



**Eandi Metal Works**  
 2440 East Eleventh Street  
 Oakland CA 94606

**Nimitz Freeway**  
 (Interstate I-880)



Basemap: U.S. Geological Survey, 7.5 Minute Quadrangle, Oakland East CA. 1959 (Photorevised 1980)

**Figure 1**  
**Location Map**  
 2440 East Eleventh Street  
 Oakland CA



Eandi Metal Works  
2440 East Eleventh Street  
Oakland CA 94606

Nimitz Freeway  
(Interstate I-880)

**Figure 2**

**Vicinity Map**

**2440 East Eleventh Street  
Oakland CA**

Legend

 Monitoring well

Location of former 1,000-gallon underground gasoline tank

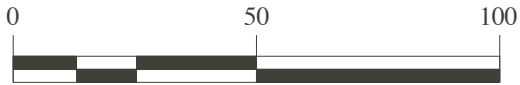
**Eandi Metal Works**  
2440 East Eleventh Street  
Oakland CA

**Eandi Metal Works**  
976 23rd Avenue  
Oakland CA



East Eleventh Street

25th Avenue



Approximate Scale in Feet

Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

**Figure 3**

**Site Plan**

**2440 East Eleventh Street  
Oakland CA**

Legend

Monitoring well

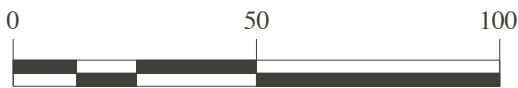
Location of former 1,000-gallon underground gasoline tank

Eandi Metal Works  
2440 East Eleventh Street  
Oakland CA

Eandi Metal Works  
976 23rd Avenue  
Oakland CA

Groundwater gradient:  
Direction = N 127° W  
Magnitude = 0.01

Note: Groundwater elevations cited in units of feet, referenced to the NGVD29 - Mean Sea Level (MSL) datum.



Approximate Scale in Feet

Basemap: Aerial photograph, flown 24 August 1998, photograph number ALA-AV-6100-11-38, original scale 1:12,000. Pacific Aerial Surveys, Oakland CA

Figure 4

Groundwater Levels and Gradient  
(20 March 2007)

2440 East Eleventh Street  
Oakland CA

# **ATTACHMENT 1**

Groundwater Sampling Forms

**MONITORING WELL PURGE DATA**

Project Name/Number: Eandi Metal Works / P279	Logged By: Darcy Hinkley
Property Location: 2440 East Eleventh Street, Oakland CA	Date: 20 Mar 2007
Well Number: MW1	Casing Diameter (in): 2
Purging Equipment: Submersible purge pump	Sample Type: Grab
Sampling Equipment: Bailer with bottom-emptying device	Depth to Water: 10.96
Measuring Point: Top of casing, north side	Total Depth: 19.89
Free Product: None	Odor: hydrocarbon
Comments:	Sample Number: MW1

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
19.89	-	10.96	x	0.16	=	1.4	x 3	4.2

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	1:45	3.27	6.95	412	15.9	-128.1	clear	none	NO	Start purge
1.5	1:55	1.48	6.82	422	16.2	-133.8	clear	none	NO	
3.0	2:02	1.24	6.89	403	16.4	-140.0	clear	none	NO	
4.5	2:10	0.82	6.82	409	16.1	-129.1	clear	none	NO	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

**MONITORING WELL PURGE DATA**

Project Name/Number: Eandi Metal Works / P279	Logged By: Darcy Hinkley
Property Location: 2440 East Eleventh Street, Oakland CA	Date: 20 Mar 2007
Well Number: MW2	Casing Diameter (in): 2
Purging Equipment: Submersible purge pump	Sample Type: Grab
Sampling Equipment: Bailer with bottom-emptying device	Depth to Water: 10.78
Measuring Point: Top of casing, north side	Total Depth: 19.91
Free Product: None	Odor: hydrocarbon
Comments:	Sample Number: MW2

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
19.91	-	10.78	x	0.16	=	1.46	x 3	4.4

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	3:35	1.78	6.96	493	16.6	-147.0	Clear	None	NO	Start purge
<del>1.5</del>	3:42	1.75	6.97	495	16.6	-155.9	Clear	None	NO	
3.0	3:48	1.27	6.94	491	16.8	-165.0	Clear	None	NO	
<del>4.5</del>	3:55	1.00	6.90	491	16.7	-166.9	Clear	None	NO	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.



### MONITORING WELL PURGE DATA

Project Name/Number: Eandi Metal Works / P279	Logged By: Darcy Hinkley
Property Location: 2440 East Eleventh Street, Oakland CA	Date: 20 Mar 2007
Well Number: MW3	Casing Diameter (in): 2
Purging Equipment: Submersible purge pump	Sample Type: Grab
Sampling Equipment: Bailer with bottom-emptying device	Depth to Water: 10.91
Measuring Point: Top of casing, north side	Total Depth: 19.72
Free Product: None	Odor: hydrocarbon - strong
Comments:	Sample Number: MW3

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)	x	Three Casing Volumes (gallons)
19.72	-	10.91	x	0.16	=	1.4	x 3	4.2

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	12:15	1.83	6.44	550	16.2	-23.8	translucent	white	NO	Start purge
1.4	12:27	1.63	6.66	537	16.5	-47.2	clear	none	NO	
2.8	12:35	1.20	6.71	539	16.6	-66.0	clear	none	NO	
4.2	12:40	1.58	6.76	544	16.8	-58.0	clear	none	NO	Collect sample
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

### MONITORING WELL PURGE DATA

Project Name/Number: Eandi Metal Works / P279	Logged By: Darcy Hinkley
Property Location: 2440 East Eleventh Street, Oakland CA	Date: 20 Mar 2007
Well Number: MW4	Casing Diameter (in): 2
Purging Equipment: Submersible purge pump	Sample Type: Grab
Sampling Equipment: Bailer with bottom-emptying device	Depth to Water: 10.57
Measuring Point: Top of casing, north side	Total Depth: 17.36
Free Product: None	Odor: None
Comments:	Sample Number: MW4

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)	x	Three Casing Volumes (gallons)
17.36	-	10.57	x	0.16	=	1.1	x 3	3.3

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	11:25	2.04	6.22	497	15.6	148.8	translucent	brown	no	Start purge
1.1	11:30	1.99	6.45	472	16.0	160.9	translucent	white	no	
2.2	11:35	1.39	6.46	470	15.8	158.2	translucent	white	no	
3.3	11:40	1.16	6.51	467	15.7	173.2	clear	none	no	Collect sample
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

**MONITORING WELL PURGE DATA**

Project Name/Number: Eandi Metal Works / P279	Logged By: Darcy Hinkley
Property Location: 2440 East Eleventh Street, Oakland CA	Date: 20 Mar 2007
Well Number: MW5	Casing Diameter (in): 2
Purging Equipment: Submersible purge pump	Sample Type: Grab
Sampling Equipment: Bailer with bottom-emptying device	Depth to Water: 10.41
Measuring Point: Top of casing, north side	Total Depth: 17.31
Free Product: None	Odor: hydrocarbons - faint
Comments:	Sample Number: MW5

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	-	Depth to Water (feet)	x	0.04 gallons/foot for 1-inch well 0.16 gallons/foot for 2-inch well 0.65 gallons/foot for 4-inch well 1.47 gallons/foot for 6-inch well	=	Single Casing Volume (gallons)		Three Casing Volumes (gallons)
17.31	-	10.41	x	0.16	=	1.6	x 3	3.3

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity (µS/cm)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	2:40	1.17	6.93	596	16.4	-75.6	opaque	brown	NO	Start purge
1.1	2:48	1.18	6.90	582	16.4	-74.2	translucent	white	NO	
2.2	2:56	1.06	6.87	580	16.6	-72.9	clear	None	NO	
3.3	3:03	0.89	6.85	584	16.6	-74.6	clear	None	NO	
										Collect sample

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, translucent, opaque, cloudy, or turbid.

## **ATTACHMENT 2**

Laboratory Reports and Chain-of-Custody  
Forms

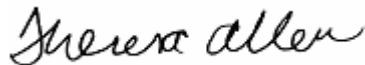
6 April, 2007

Information at Streamborn  
Streamborn  
PO Box 8330  
Berkeley, CA 94707-8330

RE: 2440 East Eleven Street  
Work Order: MQC0696

Enclosed are the results of analyses for samples received by the laboratory on 03/21/07 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Theresa Allen For Tim Costello  
Client Services Department Manager

CA ELAP Certificate # 1210

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

The report shall not be reproduced except in full, without the written approval of the laboratory. The client also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Streamborn  
PO Box 8330  
Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW4	MQC0696-01	Water	03/20/07 11:45	03/21/07 17:45
MW3	MQC0696-02	Water	03/20/07 12:45	03/21/07 17:45
MW1	MQC0696-03	Water	03/20/07 14:15	03/21/07 17:45
MW5	MQC0696-04	Water	03/20/07 15:10	03/21/07 17:45
MW2	MQC0696-05	Water	03/20/07 16:00	03/21/07 17:45

Streamborn  
PO Box 8330  
Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW4 (MQC0696-01) Water Sampled: 03/20/07 11:45 Received: 03/21/07 17:45</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D01001	04/01/07	04/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		94 %	75-120		"	"	"	"	
<b>MW3 (MQC0696-02) Water Sampled: 03/20/07 12:45 Received: 03/21/07 17:45</b>									
Gasoline Range Organics (C4-C12)	2200	50	ug/l	1	7D01001	04/01/07	04/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		105 %	75-120		"	"	"	"	
<b>MW1 (MQC0696-03) Water Sampled: 03/20/07 14:15 Received: 03/21/07 17:45</b>									
Gasoline Range Organics (C4-C12)	470	50	ug/l	1	7D01001	04/01/07	04/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		97 %	75-120		"	"	"	"	
<b>MW5 (MQC0696-04) Water Sampled: 03/20/07 15:10 Received: 03/21/07 17:45</b>									
Gasoline Range Organics (C4-C12)	2800	50	ug/l	1	7D01001	04/01/07	04/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-120		"	"	"	"	
<b>MW2 (MQC0696-05) Water Sampled: 03/20/07 16:00 Received: 03/21/07 17:45</b>									
Gasoline Range Organics (C4-C12)	7000	500	ug/l	10	7D01001	04/01/07	04/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		101 %	75-120		"	"	"	"	

Streamborn  
PO Box 8330  
Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**MW4 (MQC0696-01) Water** Sampled: 03/20/07 11:45 Received: 03/21/07 17:45

Benzene	ND	0.50	ug/l	1	7D01001	04/01/07	04/01/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-135		"	"	"	"	

**MW3 (MQC0696-02) Water** Sampled: 03/20/07 12:45 Received: 03/21/07 17:45

<b>Benzene</b>	<b>15</b>	0.50	ug/l	1	7D01001	04/01/07	04/01/07	EPA 8260B	
<b>Toluene</b>	<b>1.6</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>14</b>	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>12</b>	0.50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>0.52</b>	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %	60-135		"	"	"	"	



Streamborn  
PO Box 8330  
Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**MW1 (MQC0696-03) Water** Sampled: 03/20/07 14:15 Received: 03/21/07 17:45

<b>Benzene</b>	<b>2.1</b>	0.50	ug/l	1	7D01001	04/01/07	04/01/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>8.5</b>	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1.8</b>	0.50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>0.63</b>	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97 %		75-120	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96 %		60-135	"	"	"	"	

**MW5 (MQC0696-04) Water** Sampled: 03/20/07 15:10 Received: 03/21/07 17:45

<b>Benzene</b>	<b>13</b>	0.50	ug/l	1	7D01001	04/01/07	04/01/07	EPA 8260B	
<b>Toluene</b>	<b>1.5</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>27</b>	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>35</b>	0.50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>1.6</b>	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %		75-120	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"	

Streamborn  
PO Box 8330  
Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW2 (MQC0696-05) Water Sampled: 03/20/07 16:00 Received: 03/21/07 17:45</b>									
Benzene	ND	5.0	ug/l	10	7D01001	04/01/07	04/01/07	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>370</b>	5.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>34</b>	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		75-120	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94 %		60-135	"	"	"	"	

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Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7D01001 - EPA 5030B P/T / LUFT GCMS**

**Blank (7D01001-BLK1)**

Prepared & Analyzed: 04/01/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.33		"	2.50		93	75-120			

**Laboratory Control Sample (7D01001-BS2)**

Prepared & Analyzed: 04/01/07

Gasoline Range Organics (C4-C12)	480	50	ug/l	500		96	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	75-120			

**Laboratory Control Sample Dup (7D01001-BSD2)**

Prepared & Analyzed: 04/01/07

Gasoline Range Organics (C4-C12)	470	50	ug/l	500		94	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94	75-120			

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MQC0696  
**Reported:**  
04/06/07 18:04

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7D01001 - EPA 5030B P/T / EPA 8260B**

**Blank (7D01001-BLK1)**

Prepared & Analyzed: 04/01/07

Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Ethanol	ND	100	"							
<i>Surrogate: Dibromofluoromethane</i>	2.29		"	2.50		92	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.33		"	2.50		93	75-120			
<i>Surrogate: Toluene-d8</i>	2.42		"	2.50		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.09		"	2.50		84	60-135			

**Laboratory Control Sample (7D01001-BS1)**

Prepared & Analyzed: 04/01/07

Benzene	9.67	0.50	ug/l	10.0		97	75-120			
Toluene	10.0	0.50	"	10.0		100	75-120			
Ethylbenzene	9.87	0.50	"	10.0		99	75-120			
Xylenes (total)	31.0	0.50	"	30.0		103	75-120			
Methyl tert-butyl ether	10.6	0.50	"	10.0		106	50-140			
Di-isopropyl ether	9.37	0.50	"	10.0		94	70-130			
Ethyl tert-butyl ether	9.75	0.50	"	10.0		98	65-130			
tert-Amyl methyl ether	10.4	0.50	"	10.0		104	65-135			
tert-Butyl alcohol	192	20	"	200		96	60-135			
1,2-Dichloroethane	9.84	0.50	"	10.0		98	70-125			
1,2-Dibromoethane (EDB)	11.1	0.50	"	10.0		111	80-135			
Ethanol	197	100	"	200		98	15-150			
<i>Surrogate: Dibromofluoromethane</i>	2.42		"	2.50		97	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.49		"	2.50		100	75-120			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.22		"	2.50		89	60-135			

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Project Number: P279  
Project Manager: Information at Streamborn

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Reported:  
04/06/07 18:04

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7D01001 - EPA 5030B P/T / EPA 8260B**

<b>Matrix Spike (7D01001-MS1)</b>	<b>Source: MQC0661-03</b>			<b>Prepared &amp; Analyzed: 04/01/07</b>						
Benzene	9.09	0.50	ug/l	10.0	ND	91	75-120			
Toluene	10.2	0.50	"	10.0	ND	102	75-120			
Ethylbenzene	9.67	0.50	"	10.0	ND	97	75-120			
Xylenes (total)	29.4	0.50	"	30.0	ND	98	75-120			
Methyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	50-140			
Di-isopropyl ether	9.47	0.50	"	10.0	ND	95	70-130			
Ethyl tert-butyl ether	9.91	0.50	"	10.0	ND	99	65-130			
tert-Amyl methyl ether	10.8	0.50	"	10.0	ND	108	65-135			
tert-Butyl alcohol	193	20	"	200	ND	96	60-135			
1,2-Dichloroethane	10.6	0.50	"	10.0	ND	106	70-125			
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0	ND	114	80-135			
Ethanol	195	100	"	200	ND	98	15-150			
<i>Surrogate: Dibromofluoromethane</i>	2.36		"	2.50		94	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.58		"	2.50		103	75-120			
<i>Surrogate: Toluene-d8</i>	2.54		"	2.50		102	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.23		"	2.50		89	60-135			

<b>Matrix Spike Dup (7D01001-MSD1)</b>	<b>Source: MQC0661-03</b>			<b>Prepared &amp; Analyzed: 04/01/07</b>						
Benzene	9.67	0.50	ug/l	10.0	ND	97	75-120	6	20	
Toluene	9.95	0.50	"	10.0	ND	100	75-120	2	25	
Ethylbenzene	8.64	0.50	"	10.0	ND	86	75-120	11	20	
Xylenes (total)	28.2	0.50	"	30.0	ND	94	75-120	4	20	
Methyl tert-butyl ether	12.3	0.50	"	10.0	ND	123	50-140	9	25	
Di-isopropyl ether	9.83	0.50	"	10.0	ND	98	70-130	4	25	
Ethyl tert-butyl ether	11.1	0.50	"	10.0	ND	111	65-130	11	25	
tert-Amyl methyl ether	12.0	0.50	"	10.0	ND	120	65-135	11	25	
tert-Butyl alcohol	193	20	"	200	ND	96	60-135	0	25	
1,2-Dichloroethane	11.0	0.50	"	10.0	ND	110	70-125	4	25	
1,2-Dibromoethane (EDB)	12.8	0.50	"	10.0	ND	128	80-135	12	30	
Ethanol	184	100	"	200	ND	92	15-150	6	25	
<i>Surrogate: Dibromofluoromethane</i>	2.38		"	2.50		95	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.66		"	2.50		106	75-120			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.25		"	2.50		90	60-135			

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Berkeley CA, 94707-8330

Project: 2440 East Eleven Street  
Project Number: P279  
Project Manager: Information at Streamborn

MQC0696  
**Reported:**  
04/06/07 18:04

**Notes and Definitions**

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

**STREAMBORN**  
Chain-of-Custody Form

M0C0696

Project Name: 2440 East Eleventh Street	Project Location: 2440 East Eleventh Street, Oakland CA	Project Number: P279
Sampler: Darcy Hinkley	Laboratory: TestAmerica	Laboratory Number:

Sample Designation	Date	Time	Matrix			Type	Containers		Preservative (in addition to ice)	Field Filtration	Turnaround			Analyses				Sampler Comments	Laboratory Comments	
			Soil	Water	Vapor	Grab	Composite	Quantity			Type	48-Hour	5- Working Days	10- Working Days	TPH- gasoline/BTEX/fuel oxogenates (EPA 8260)					
01 MW4	20-Mar-06	11:45		x		x		3	40 mL VOA	HCl	None			x		x				
02 MW3	20-Mar-06	12:45		x		x		3	40 mL VOA	HCl	None			x		x				
03 MW1	20-Mar-06	2:15		x		x		3	40 mL VOA	HCl	None			x		x				
04 MW5	20-Mar-06	3:10		x		x		3	40 mL VOA	HCl	None			x		x				
05 MW2	20-Mar-06	4:00		x		x		3	40 mL VOA	HCl	None			x		x				

Note: Sampler and laboratory to observe preservative, condition, integrity, etc. of samples and record (under "Comments") any exceptions from standard protocols.

Relinquished By:	Received By:	Date: 21 March 2007	Time: 1130
Relinquished By:	Received By:	Date: 3/21/07	Time: 1745

STREAMBORN Mail: PO Box 8330, Berkeley CA 94707-8330 Office: 900 Santa Fe Ave, Albany CA 94706 510-528-4234 Fax: 528-2613

Report results to [information@streamborn.com](mailto:information@streamborn.com)

Prepare EDF for Geotracker Upload? Yes	Streamborn Logcode: SBA	Global ID: T0600100858
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## TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STREMBORN  
 REC. BY (PRINT) Bham  
 WORKORDER: MQC0696

DATE REC'D AT LAB: 03-21-07  
 TIME REC'D AT LAB: 17:45  
 DATE LOGGED IN: 3/22/07

For Regulatory Purposes?  
 DRINKING WATER YES  NO   
 WASTE WATER YES  NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="radio"/> Absent Intact / Broken*								Blank 03-21-07
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*								
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent								
4. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent								
5. Airbill #:								
6. Sample Labels: <input checked="" type="radio"/> Present / Absent								
7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <input checked="" type="radio"/> No								
14. Read Temp: <u>3.3</u> Corrected Temp: <u>3.3</u> Is corrected temp 4 +/-2°C? <input checked="" type="radio"/> Yes / No** <small>(Acceptance range for samples requiring thermal pres.)</small>								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

\*IE CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



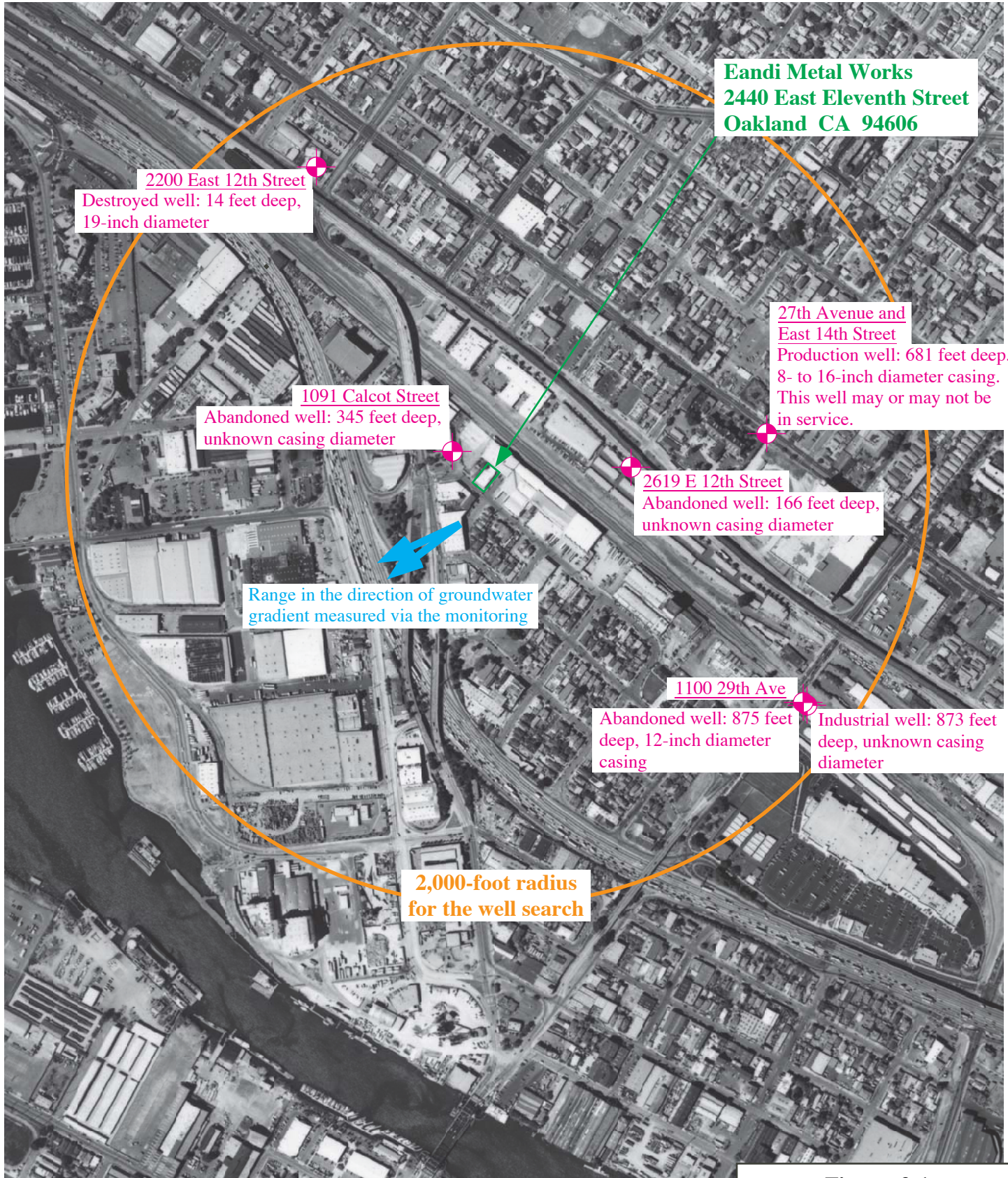
# **ATTACHMENT 3**

Well Search

**Table 3-1**  
**Documented Wells within 2,000 feet of the Former 1,000-Gallon Underground Gasoline Tank at 2440 East Eleventh Street**  
**2440 East Eleventh Street**  
**Oakland CA**

Well Address	Date of Installation	Current status	Well Diameter (inches)	Well Depth (feet)	Approximate Distance / Direction from the Subject Property	Source / Database	Comments
27 <sup>th</sup> Avenue and East 14 <sup>th</sup> Street	Unknown	Unknown	8-16	681	1,270 feet to the east-northeast	Department of Water Resources	<ul style="list-style-type: none"> <li>• Former Montgomery Ward &amp; Co.</li> <li>• Unknown street address.</li> <li>• This well may or may not be in service.</li> </ul>
1091 Calcot Street	1917	Abandoned	Unknown	345	200 feet to the northwest	Alameda County Public Works	<ul style="list-style-type: none"> <li>• Space 4 U Mgmt.</li> <li>• Water depth = 39 feet.</li> </ul>
2200 East 12 <sup>th</sup> Street	November 1990	Destroyed	19	14	700 feet to the northeast	Alameda County Public Works	<ul style="list-style-type: none"> <li>• Texaco</li> <li>• Water depth = 79 feet.</li> </ul>
2619 East 12 <sup>th</sup> Street	Unknown	Abandoned	Unknown	166	700 feet to the northeast	Alameda County Public Works	<ul style="list-style-type: none"> <li>• Spark Stove Co.</li> <li>• Water depth = 7 feet.</li> </ul>
1100 29 <sup>th</sup> Avenue	Unknown	Industrial	Unknown	873	1,800 feet to the southeast	Alameda County Public Works	<ul style="list-style-type: none"> <li>• Water depth = 87 feet.</li> </ul>
1100 29 <sup>th</sup> Avenue	April 1925	Destroyed	12	875	1,800 feet to the southeast	Alameda County Public Works	<ul style="list-style-type: none"> <li>• Del Monte Corp.</li> </ul>

According to discussions between Streamborn and Jerry Wickman (Alameda County Environmental Health) on 27 December 2006, all industrial, irrigation, municipal, abandoned, and destroyed wells should be identified. Listed above are all the documented wells in the aforementioned categories that are located within a 2,000-foot radius of the former 1,000-gallon underground tank at 2440 East Eleventh Street, Oakland CA.



**Eandi Metal Works**  
**2440 East Eleventh Street**  
**Oakland CA 94606**

2200 East 12th Street  
 Destroyed well: 14 feet deep,  
 19-inch diameter

1091 Calcot Street  
 Abandoned well: 345 feet deep,  
 unknown casing diameter

27th Avenue and  
 East 14th Street  
 Production well: 681 feet deep.  
 8- to 16-inch diameter casing.  
 This well may or may not be  
 in service.

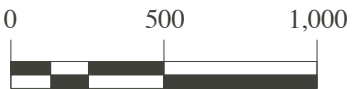
2619 E 12th Street  
 Abandoned well: 166 feet deep,  
 unknown casing diameter

Range in the direction of groundwater  
 gradient measured via the monitoring

1100 29th Ave  
 Abandoned well: 875 feet  
 deep, 12-inch diameter  
 casing

Industrial well: 873 feet  
 deep, unknown casing  
 diameter

**2,000-foot radius  
 for the well search**



Approximate Scale in Feet

Basemap: Aerial photograph, flown 24  
 August 1998, photograph ALA-AV-6100-  
 11-38. Pacific Aerial Surveys, Oakland CA.

**Figure 3-1**

**Well Search Results**

**2440 East Eleventh Street**  
**Oakland CA**

Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Trsqn	Rec code	Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use
2S/3W	6D 4		15002 HESP. BLVD.	San Leandro	CHEVRON	6/15/89	122240577	37791587	9	2S/3W 6D	2910	0	SLE	May-88	0	23	13	4	MON
2S/3W	6D 5		15002 HESP. BLVD.	San Leandro	CHEVRON	6/15/89	122240577	37791587	9	2S/3W 6D	2911	0	SLE	May-88	0	22	12	4	MON
2S/3W	6D 6		15002 HESP. BLVD.	San Leandro	CHEVRON	6/15/89	122240577	37791587	9	2S/3W 6D	2912	0	SLE	May-88	0	21	11	4	MON
2S/3W	6G 1		1951 23rd Av	Oakland	Church of God	8/13/97	122231122	37787144	0	2S/3W 6G	0	0	OAK	8/93	0	20	10	2	MON
2S/3W	6J 1		2710 Foothill Blvd	Oakland	National Convenience	8/2/91	122226472	37784570	0	2S/3W 6J	1890	0	OAK	2/91	0	35	26	2	MON
2S/3W	6J 2		2710 Foothill Blvd	Oakland	National Convenience	8/2/91	122226472	37784570	0	2S/3W 6J	1891	0	OAK	2/91	0	35	25	2	MON
2S/3W	6J 3		2710 Foothill Blvd	Oakland	National Convenience	8/2/91	122226472	37784570	0	2S/3W 6J	1892	0	OAK	2/91	0	35	22	4	MON
2S/3W	6L 1		2345 E 14th St	Oakland	Aaron & Stanley Wong	8/21/97	122234104	37782910	0	2S/3W 6L	0	0	OAK	7/93	0	34	13	2	MON
2S/3W	6L 2		2345 E 14th St	Oakland	Aaron & Stanley Wong	8/21/97	122234104	37782910	0	2S/3W 6L	0	0	OAK	7/93	0	24	13	2	MON
2S/3W	6L 25		2301 E 12th St	Oakland	B + B Inc. MW-1	9/21/92	122234600	37783399	1	2S/3W 6L	7902	0	OAK	Dec-91	0	28	21	2	MON
2S/3W	6L 26		2301 E 12th St	Oakland	B + B Inc. MW-2	6/23/93	122235379	37783463	1	2S/3W 6L	0	0	OAK	7/92	0	19	9	2	MON
2S/3W	6L 27		2301 E 12th St	Oakland	B + B Inc. MW-3	6/23/93	122235379	37783463	1	2S/3W 6L	0	0	OAK	7/92	0	19	9	2	MON
95571	2S/3W	6L 1	2200 E 14th St	Oakland	Exxon Company USA	2/4/98	122236581	37784510	0	2S/3W 6L	0	0	OAK	9/95	0	20	14	2	MON
95571	2S/3W	6L 2	2200 E 14th St	Oakland	Exxon Company USA	2/4/98	122236581	37784510	0	2S/3W 6L	0	0	OAK	9/95	0	20	9	2	MON
2S/3W	6L14		2200 E 14th Street	Oakland	Lili Goode	3/28/91	122236594	37784516	0	2S/3W 6L	1528	0	OAK	8/90	0	15	11	4	MON
2S/3W	6M3		2200 E 14th Street	Oakland	Lili Goode	3/28/91	122236594	37784516	0	2S/3W 6L	1529	0	OAK	8/90	0	21	10	4	MON
2S/3W	6L16		2200 E 14th Street	Oakland	Lili Goode	3/28/91	122236594	37784516	0	2S/3W 6L	1530	0	OAK	8/90	0	19	6	4	MON
2S/3W	6L		2142 E 12TH ST	Oakland	SHELL OIL	1/24/90	122234914	37784549	9	2S/3W 6L	2913	0	OAK	Mar-89	0	20	15	6	BOR*
2S/3W	6L 9		2142 East 12th Street	Oakland	Shell Oil Company	7/24/90	122234914	37784549	9	2S/3W 6L	676	0	OAK	Oct-89	0	21	6	2	MON
2S/3W	6L10		2142 East 12th Street	Oakland	Shell Oil Company	7/24/90	122234914	37784549	9	2S/3W 6L	677	0	OAK	Oct-89	0	20	6	2	MON
2S/3W	6L11		2142 East 12th Street	Oakland	Shell Oil Company	7/24/90	122234914	37784549	9	2S/3W 6L	678	0	OAK	Oct-89	0	22	6	2	MON
2S/3W	6L12		2142 East 12th Street	Oakland	Shell Oil Company	7/24/90	122234914	37784549	9	2S/3W 6L	679	0	OAK	Oct-89	0	20	6	2	MON
2S/3W	6L17		2345 East 14th Street	Oakland	Stanley Wong	11/18/91	122234121	37782937	0	2S/3W 6L	2031	0	OAK	8/91	36	27	15	4	MON
2S/3W	6L21		2345 E. 14th St	Oakland	Stanley Wong MW1	8/21/92	122234121	37782937	1	2S/3W 6L	7742	0	OAK	5/91	0	35	19	2	MON
2S/3W	6L19		2345 E. 14th St	Oakland	Stanley Wong MW2	8/14/92	122234121	37782937	1	2S/3W 6L	7722	0	OAK	8/91	0	35	20	2	TES
2S/3W	6L20		2345 E. 14th St	Oakland	Stanley Wong MW3	8/14/92	122234121	37782937	1	2S/3W 6L	7723	0	OAK	8/91	0	35	19	2	TES
2S/3W	6M1		2200 E 12th St	Oakland	Stanley Wong MW-1	9/8/92	122238470	37784566	1	2S/3W 6L	7831	0	OAK	5/91	0	27	6	2	TES
2S/3W	6M2		2200 E 12th St	Oakland	Stanley Wong MW-2	9/8/92	122238470	37784566	1	2S/3W 6L	7832	0	OAK	5/91	0	27	6	2	TES
2S/3W	6M3		2200 E 12th St	Oakland	Stanley Wong MW-3	9/8/92	122238470	37784566	1	2S/3W 6L	7833	0	OAK	5/91	0	27	6	2	TES
2S/3W	6L 5		2200 E 12th St	Oakland	Texaco	3/12/91	122234914	37784549	9	2S/3W 6L	1208	0	OAK	Nov-90	0	0	0	0	BOR*
2S/3W	6L13		2200 E 12th St	Oakland	Texaco	3/12/91	122234914	37784549	9	2S/3W 6L	1209	0	OAK	Nov-90	0	14	7	19	DES
2S/3W	6L 4		2200 EAST 12TH ST.	Oakland	TEXACO	6/28/89	122234914	37784549	9	2S/3W 6L	2917	0	OAK	Dec-88	0	17	11	4	MON
2S/3W	6L 5		2200 EAST 12TH ST.	Oakland	TEXACO	6/28/89	122234914	37784549	9	2S/3W 6L	2918	0	OAK	Dec-88	0	19	10	4	MON
2S/3W	6L 6		2200 EAST 12TH ST.	Oakland	TEXACO	6/28/89	122234914	37784549	9	2S/3W 6L	2919	0	OAK	Dec-88	0	16	13	4	MON
2S/3W	6L 7		2200 EAST 12TH ST.	Oakland	TEXACO	6/28/89	122234914	37784549	9	2S/3W 6L	2920	0	OAK	Dec-88	0	17	13	4	MON
2S/3W	6L 8		2200 EAST 12TH ST.	Oakland	TEXACO	6/28/89	122234914	37784549	9	2S/3W 6L	2921	0	OAK	Dec-88	0	17	14	4	MON
2S/3W	6L 1		2200 EAST 12TH ST	Oakland	TEXACO STA #6248800088	12/16/88	122234914	37784549	9	2S/3W 6L	2914	0	OAK	Jun-88	100	18	6	2	MON
2S/3W	6L 2		2200 EAST 12TH ST	Oakland	TEXACO STA #6248800088	12/16/88	122234914	37784549	9	2S/3W 6L	2915	0	OAK	Jun-88	99	20	6	2	MON
2S/3W	6L 3		2200 EAST 12TH ST	Oakland	TEXACO STA #6248800088	12/16/88	122234914	37784549	9	2S/3W 6L	2916	0	OAK	Jun-88	100	17	6	2	MON
95652	2S/3W	6L 1	E. 12th St & 22nd Av	Oakland	Union Pacific Railroad	3/12/98	122236791	37783122	0	2S/3W 6L	0	0	OAK	Oct-95	0	17	9	2	MON
2S/3W	6M 1		2032 East 12th St	Oakland	Stanley Wong	8/28/91	122240563	37784549	9	2S/3W 6M	1971	0	OAK	6/91	0	19	0	2	MON
2S/3W	6M 2		2032 East 12th St	Oakland	Stanley Wong	8/28/91	122240563	37784549	9	2S/3W 6M	1972	0	OAK	5/91	0	27	9	2	TES
2S/3W	6M 3		2032 East 12th St	Oakland	Stanley Wong	8/28/91	122240563	37784549	9	2S/3W 6M	1973	0	OAK	5/91	0	27	6	2	TES
2S/3W	6M 4		1200 20th Av	Oakland		7/22/97	122239453	37784990	0	2S/3W 6M	0	0	OAK	2/95	0	30	0	2	MON
2S/3W	6M 5		1200 20th Av	Oakland		7/22/97	122239453	37784990	0	2S/3W 6M	0	0	OAK	2/95	0	35	0	2	MON
2S/3W	6M 6		1200 20th Av	Oakland		7/22/97	122239453	37784990	0	2S/3W 6M	0	0	OAK	2/95	0	30	0	2	MON
2S/3W	6M 7		1832 E 12th St	Oakland		7/22/97	122241379	37786197	0	2S/3W 6M	0	0	OAK	2/95	0	30	0	2	MON
2S/3W	6M 8		1832 E 12th St	Oakland		7/22/97	122241379	37786197	0	2S/3W 6M	0	0	OAK	2/95	0	30	0	2	MON
2S/3W	6N 1		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	2922	0	OAK	Jun-88	0	22	7	2	MON
2S/3W	6N 2		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	2923	0	OAK	Nov-88	0	20	5	2	DES
2S/3W	6N 3		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	2924	0	OAK	Jun-88	0	23	9	2	MON
2S/3W	6N 4		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	2925	0	OAK	Jun-88	0	27	9	2	MON
2S/3W	6N 6		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	2927	0	OAK	Jun-88	0	20	7	2	MON
2S/3W	6N 7		P.O. BOX 2064	Oakland	PORT OF OAKLAND	12/16/88	122240557	37781079	9	2S/3W 6N	6652	0	OAK		0	0	0	0	
94153	2S/3W	6N12	1050 22nd Av	Oakland	Cottonmill	12/26/97	122239203	37782018	0	2S/3W 6N	0	0	OAK	5/94	0	28	15	2	MON
2S/3W	6N 9		2100 Livingston St	Oakland	Kipatricks Bakeries MW1	6/23/93	122239616	37780850	1	2S/3W 6N	0	0	OAK	9/92	0	25	9	2	MON
2S/3W	6N 4		EMBARCADERO ST	Oakland	PORT OF OAKLAND	6/28/89	122297000	37801400	2	2S/3W 6N	2925	0	OAK	Nov-88	0	20	6	2	DES
2S/3W	6N 8		EMBARCADERO ST	Oakland	PORT OF OAKLAND	6/28/89	122297000	37801400	2	2S/3W 6N	2928	0	OAK	Nov-88	0	20	7	2	MON
2S/3W	6N11		Embarcadero & Demmon St	Oakland	Port of Oakland W-9	7/22/93	122241466	3779424	0	2S/3W 6N	0	0	OAK	Oct-92	0	24	0	2	DES
2S/3W	6N10		Embarcadero & Demmon St	Oakland	Port of Oakland W-9R	7/15/93	122241472	3779429	0	2S/3W 6N	0	0	OAK	Oct-92	0	20	0	4	MON
2S/3W	6N		2000 Embarcadero	Oakland	Western Federal Savings &	9/11/90	122241358												

2S/3W	7J33	3675 Alameda Ave	Oakland	Unocal Corp	VMW7	9/24/92	122227320	37768546	1	2S/3W	7J	8057	0	OAK	Dec-91	0	11	0	2	MON
2S/3W	7J34	3675 Alameda Ave	Oakland	Unocal Corp	VMW-8	9/24/92	122227320	37768546	1	2S/3W	7J	8058	0	OAK	Dec-91	0	11	0	2	MON
2S/3W	7K 1	2691 BLANDING AVENUE	Alameda	AMERICAN STORES PROP INC		8/8/88	122230615	37770023	9	2S/3W	7K	2972	0	ALA	Apr-88	0	24	5	2	MON
2S/3W	7K 2	2691 BLANDING AVENUE	Alameda	AMERICAN STORES PROP INC		8/8/88	122230615	37770023	9	2S/3W	7K	2973	0	ALA	Apr-88	0	25	9	2	MON
2S/3W	7K 3	2691 BLANDING AVENUE	Alameda	AMERICAN STORES PROP INC		8/8/88	122230615	37770023	9	2S/3W	7K	2974	0	ALA	Apr-88	0	25	9	2	MON
2S/3W	7K 4	2691 BLANDING AVENUE	Alameda	AMERICAN STORES PROP INC		8/8/88	122230615	37770023	9	2S/3W	7K	2975	0	ALA	Apr-88	0	15	6	0	BOR
94284	2S/3W	7K 7	400 Lancaster St	Oakland	Del Monte USA	12/26/97	122229431	37770625	1	2S/3W	7K	0	0	OAK	5/94	0	19	6	2	MON
2S/3W	7K 4	2915 Ford St.	Oakland	Gilro Machine & Stamping		3/12/91	122232041	3772384	0	2S/3W	7K	1210	0	OAK	Nov-90	0	14	7	4	MON
2S/3W	7K 5	2915 Ford St.	Oakland	Gilro Machine & Stamping		3/12/91	122232041	3772384	0	2S/3W	7K	1211	0	OAK	Nov-90	7	16	13	2	MON
2S/3W	7K 6	2915 Ford St.	Oakland	Gilro Machine & Stamping		3/12/91	122232041	3772384	0	2S/3W	7K	1212	0	OAK	Nov-90	9	16	12	2	MON
2S/3W	7K	FRUITVALE AVE R.R. BRIDGE	Alameda	US ARMY CORPS OF ENGRS.		2/23/88	122230615	37770023	9	2S/3W	7K	6654	0	ALA	Nov-87	0	75	14	0	BOR
2S/3W	7K							0	0	9	2S/3W	7K	7023	0	Apr-88	0	14	7	0	BOR
2S/3W	7K							0	0	9	2S/3W	7K	7024	0	Apr-88	0	13	9	0	BOR
2S/3W	7K							0	0	9	2S/3W	7K	7025	0	Apr-88	0	12	9	0	BOR
2S/3W	7L 2	1819 EVERETT ST	Alameda	A.T. GHILLIER		7/30/84	122235889	37768104	0	2S/3W	7L	2976	0	ALA	/06	0	0	5	4	IRR
2S/3W	7L20	1911 Park St.	Alameda	Alameda Collision Rep.MW1		4/15/93	122236891	37769645	1	2S/3W	7L	0	0	ALA	Dec-92	0	20	10	4	MON
2S/3W	7L 3	1801 PARK ST & EAGLE	Alameda	CHEVRON SERVICE STATION		4/2/85	122237673	37768796	0	2S/3W	7L	2977	0	ALA	2/85	0	20	7	8	MON
2S/3W	7L 4	1801 PARK ST & EAGLE	Alameda	CHEVRON SERVICE STATION		4/2/85	122237673	37768796	0	2S/3W	7L	2978	0	ALA	2/85	0	16	7	8	MON
2S/3W	7L 5	1801 PARK ST & EAGLE	Alameda	CHEVRON SERVICE STATION		4/2/85	122237673	37768796	0	2S/3W	7L	2979	0	ALA	2/85	0	17	7	8	MON
2S/3W	7L 6	1801 PARK ST & EAGLE	Alameda	CHEVRON SERVICE STATION		4/2/85	122237673	37768796	0	2S/3W	7L	2980	0	ALA	2/85	0	17	7	8	MON
2S/3W	7L 7	1801 PARK ST & EAGLE	Alameda	CHEVRON SERVICE STATION		4/2/85	122237673	37768796	0	2S/3W	7L	2981	0	ALA	2/85	0	17	7	8	MON
2S/3W	7L11	1725 PARK ST.	Alameda	EXXON		6/15/89	122238251	37768121	0	2S/3W	7L	2985	0	ALA	Feb-89	0	20	0	4	MON
2S/3W	7L12	1725 PARK ST.	Alameda	EXXON		6/15/89	122238251	37768121	0	2S/3W	7L	2986	0	ALA	Feb-89	0	20	0	4	MON
2S/3W	7L13	1725 PARK ST.	Alameda	EXXON		6/15/89	122238251	37768121	0	2S/3W	7L	2987	0	ALA	Feb-89	0	20	0	4	MON
2S/3W	7L14	1725 Park Street	Alameda	Exxon Corporation		3/1/91	122238251	37768121	0	2S/3W	7L	596	0	ALA	1/90	0	20	0	4	MON
2S/3W	7L 9	1725 PARK ST	ALAMEDA	EXXON RS 7-0104		12/16/88	122238251	37768121	0	2S/3W	7L	2982	0	ALA	Jun-88	0	16	7	4	MON
2S/3W	7L 9	1725 PARK ST	ALAMEDA	EXXON RS 7-0104		12/16/88	122238251	37768121	0	2S/3W	7L	2983	0	ALA	Jun-88	0	15	7	4	MON
2S/3W	7L10	1725 PARK ST	ALAMEDA	EXXON RS 7-0104		12/16/88	122238251	37768121	0	2S/3W	7L	2984	0	ALA	Jun-88	0	22	7	4	MON
2S/3W	7L23	1725 PARK ST	Alameda	EXXON RS 7-0104 SM-1		12/13/94	122238234	37768121	1	2S/3W	7L	0	0	ALA	Nov-93	0	20	9	2	MON
2S/3W	7L24	1725 PARK ST	Alameda	EXXON RS 7-0104 SM-1		12/13/94	122238234	37768121	1	2S/3W	7L	0	0	ALA	Nov-93	0	8	0	2	MON
2S/3W	7L21	1725 PARK ST	Alameda	EXXON RS 7-0104 SW-1		12/13/94	122238234	37768121	1	2S/3W	7L	0	0	ALA	Nov-93	0	20	11	2	MON
2S/3W	7L22	1725 PARK ST	Alameda	EXXON RS 7-0104 VW-1		12/13/94	122238234	37768121	1	2S/3W	7L	0	0	ALA	Nov-93	0	7	0	2	MON
2S/3W	7L15	1725 Park Street	Alameda	Exxon USA	EW-1	3/9/92	122238251	37768121	1	2S/3W	7L	7337	0	ALA	Dec-91	0	40	7	4	EXT
2S/3W	7L16	1725 Park Street	Alameda	Exxon USA	EW-2	3/9/92	122238251	37768121	1	2S/3W	7L	7338	0	ALA	Dec-91	0	40	7	4	EXT
2S/3W	7L17	1725 Park Street	Alameda	Exxon USA	EW-3	3/9/92	122238251	37768121	1	2S/3W	7L	7339	0	ALA	Dec-91	0	41	7	4	EXT
2S/3W	7L18	1725 Park Street	Alameda	Exxon USA	EW-4	3/9/92	122238251	37768121	1	2S/3W	7L	7340	0	ALA	Dec-91	0	41	7	4	EXT
2S/3W	7L19	1725 Park Street	Alameda	Exxon USA	EW-5	3/9/92	122238251	37768121	1	2S/3W	7L	7341	0	ALA	Dec-91	0	40	7	4	EXT
2S/3W	7L 1	1915 EVERETT ST	Alameda	R.S. SCHMIT		7/30/84	122235203	37768986	0	2S/3W	7L	2975	0	ALA	?	0	90	36	0	ABN
2S/3W	7L11							0	0	9	2S/3W	7L	7026	0	Jan-89	0	20	0	4	MON
2S/3W	7L12							0	0	9	2S/3W	7L	7027	0	Jan-89	0	20	0	4	MON
2S/3W	7L13							0	0	9	2S/3W	7L	7028	0	Feb-89	0	20	0	4	MON
2S/3W	7L13							0	0	9	2S/3W	7L	7029	0	Jan-89	0	20	0	4	MON
2S/3W	7M 1	2307 CLEMENT AVE	Oakland	BOB TENNANT		8/7/84	122240624	37770023	9	2S/3W	7M	2988	5237532	OAK	4/77	0	72	0	6	IND
2S/3W	7M 2	2307 CLEMENT AVE	Oakland	BOB TENNANT		7/30/84	122240624	37770023	9	2S/3W	7M	2989	0	OAK	4/77	0	82	6	6	IND
2S/3W	7M 5	1800 Park St.	Alameda	Exxon Company USA		8/4/97	122237500	37768724	0	2S/3W	7M	0	0	ALA	5/93	0	19	7	2	MON
2S/3W	7M 6	1825 Park St.	Alameda	Exxon Company USA		7/12/93	122237495	37769105	1	2S/3W	7M	0	0	ALA	4/93	0	15	6	2	MON
2S/3W	7M 3	1849 OAK STREET	Alameda	LINCOLN PROPERTY CO		9/25/89	122239886	37769152	0	2S/3W	7M	2990	0	ALA	Jun-89	13	16	10	2	MON
2S/3W	7M 4	1849 OAK STREET	Alameda	LINCOLN PROPERTY COMPANY		9/25/89	122239886	37769152	0	2S/3W	7M	2991	0	ALA	Jun-89	12	15	10	2	MON
2S/3W	7M 5	1849 OAK STREET	Alameda	LINCOLN PROPERTY COMPANY		9/25/89	122239886	37769152	0	2S/3W	7M	2992	0	ALA	Jun-89	8	19	10	2	MON
2S/3W	7M 3							0	0	9	2S/3W	7M	7030	0	Jun-89	13	22	10	2	MON
2S/3W	7N	Oak at Lincoln Street	Alameda	Alameda Free Library		7/30/90	122241300	37769600	3	2S/3W	7N	746	0	ALA	Apr-90	0	0	0	0	BOR
2S/3W	7N18	Oak St. and Lincoln St.	Alameda	Alameda Free Library		2/27/91	122241300	37769600	3	2S/3W	7N	1016	0	ALA	7/90	0	70	0	6	DES
2S/3W	7N 1	2235 LINCOLN AVE	Oakland	ALAMEDA STEAM LAUNDRY		7/30/84	122240624	37766529	9	2S/3W	7N	2993	0	OAK	/16	0	206	0	0	IRR
2S/3W	7N30	1541 PARK STREET	Alameda	BP Oil Company		6/22/93	122240132	37765936	1	2S/3W	7N	0	0	ALA	4/92	0	30	10	6	REC
2S/3W	7N48	1700 Park St	Alameda	Cavanaugh Motors		9/11/97	122238203	37767855	1	2S/3W	7N	0	0	ALA	8/94	0	16	8	2	MON
2S/3W	7N24	1700 Park St	Alameda	Cavanaugh Motors	MW5	8/14/92	122238220	37767855	1	2S/3W	7N	7701	0	ALA	6/91	0	21	8	2	MON
2S/3W	7N25	1700 Park St	Alameda	Cavanaugh Motors	MW6	8/14/92	122238220	37767855	1	2S/3W	7N	7702	0	ALA	6/91	0	21	8	2	MON
2S/3W	7N27	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW1		4/30/93	122241946	37765684	0	2S/3W	7N	0	0	ALA	1/93	31	25	16	2	MON
2S/3W	7N28	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW2		4/30/93	122241946	37765684	0	2S/3W	7N	0	0	ALA	1/93	31	25	15	2	MON
2S/3W	7N29	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW3		4/30/93	122241946	37765684	0	2S/3W	7N	0	0	ALA	1/93	31	25	16	2	MON
2S/3W	7N31	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW4		1/13/94	122241929	37765657	1	2S/3W	7N	0	0	ALA	9/93	0	25	10	2	MON
2S/3W	7N32	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW5		1/13/94	122241929	37765657	1	2S/3W	7N	0	0	ALA	9/93	0	25	10	2	MON
2S/3W	7N33	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW6		1/13/94	122241929	37765657	1	2S/3W	7N	0	0	ALA	9/93	0	25	11	2	MON
2S/3W	7N34	2301 Santa Clara Ave.	Alameda	Chun's Service Center MW7		1/13/94	122241929	37765657	1	2S/3W	7N	0	0	ALA	9/93	0	25	11	2	MON
2S/3W	7N 3	2263 SANTA CLARA AVE	Alameda	CITY OF ALAMEDA(C. HALL)		7/22/86	122243349	37766324	0	2S/3W	7N	2995	5224100	ALA	Jun-86	0	23	7	2	MON
2S/3W	7N 4	2263 SANTA CLARA AVE	Alameda	CITY OF ALAMEDA(C. HALL)		7/22/86	122243349	37766324	0	2S/3W	7N	2996	5224100	ALA	6/86	0	23	7	2	MON
2S/3W	7N 2	1555 OAK STREET	Alameda	CITY OF ALAMEDA (POLICE)		7/22/86	122241614	37766667	0	2S/3W	7N	2994	5224100	ALA	6/86	0	23	7	2	MON
2S/3W	7N	2235 Clement Ave	Alameda	Clement Ave Assoc. B-1		9/8/92	122240179	37770694	1	2S/3W	7N	7821	0	ALA	1/91	0	10	0	0	BOR*
2S/3W	7N26	2235 Clement Ave	Alameda	Clement Ave Assoc. MW-1		9/25/92	122240179	37770694	1	2S/3W	7N	8103	0	ALA	Dec-91	0	20	6	2	MON
2S/3W	7N35	1726 Park St	Alameda	Estate of John B Henry		7/29/97	122238077	37768026	1	2S/3W	7N	0	0	ALA	2/94	0	19	7	2	MON

**DEPARTMENT OF WATER RESOURCES**

CENTRAL DISTRICT  
3251 S STREET  
SACRAMENTO, CA 95816-7017



JUN 13 2006

Mr. Matt Hall  
Streamborn  
Post Office Box 8330  
Berkeley, California 94707

Dear Mr. Hall:

In response to your request, enclosed is the well location information for the production wells located in the following area:

Township 02 South, Range 03 West, Sections 6 and 7

If you have any questions, please contact Anne Roth at (916) 227-7632 or fax (916) 227-7600.

Sincerely,

A handwritten signature in black ink, appearing to read "JME", written over a horizontal line.

Juan M. Escobar, Chief  
Groundwater Supply Assessment and  
Special Studies Section

Enclosures

25/3W-6J  
01-1295

Job # 1804. Mr. J. Michel, 1754 - 27th. AVE.

LOG OF WELL.

Black soil -----		1	foot.
Soft gray clay -----	1 to	3	feet
Hard yellow clay -----	3 "	9	"
Hard cement clay -----	9 "	23	"
Hard clay & gravel mixed in it -----	23 "	40	"
Hard cement gravel -----	40 "	69	"
Hard yellow sandy -----	69 "	78	"
Hard yellow clay -----	78 "	85	"
Soft yellow sand -----	85 "	88	"
Hard yellow clay -----	88 "	124	"
Hard yellow cement gravel -----	124 "	126	"
Hard yellow sandy clay -----	126 "	150	"
Soft gray sandy clay -----	150 "	159	"
Hard brown sand -----	159 "	183	"
Brown sand little gravel in it -----	183 "	185	"
Hard yellow sandy clay -----	185 "	186	"

168 feet 6" No. 14 R. H. Collar Casing

Waterfall Co. Cotton Mills, Oakland  
Calif. Cotton Mills, Oakland

1091

NUMBER 2 5/241-691

WELL LOG

LOCAL DESIGNATION

DEPTH	ELEVATION OF BOTTOM OF STRATUM	MATERIAL	THICKNESS FEET	% VOIDS	ABSOLUTE VOIDS FEET	TOTAL VOIDS FEET
1-10		blk. siltstone				
12		gr.				
26		lgy. c.				
28		lgy. gr.				
34		mic.				
37		lgy. gr.				
59		mic.				
61		lgy. c.				
84		mic.				
86		lgy. silt. c.				
100		lgy. c.				
112		lgy. gr.				
120		mic.				
134		lgy. gr.				
145		mic.				
152		lgy. gr.				
179		mic.				
190		lgy. gr.				
208		mic.				
300		lgy. c.				
310		lgy. c.				
316		lgy. c.				
334		lgy. c.				
336		lgy. c.				
340		mic.				
345		lgy. c.				

FOR FIELD COPIES USE ALTERNATE LINES



01-1297

25/30-6Q

27th and E. 14th

Montgomery Ward & Co. - Oakland.

LOG OF WELL.

Clay	-----	1	to	21	feet
Gravel	-----	21	"	26	"
Yellow clay	-----	26	"	134	"
Sandy clay	-----	134	"	150	"
Yellow clay	-----	150	"	230	"
Cement gravel	-----	230	"	238	"
Sandy clay	-----	238	"	280	"
Cement gravel	-----	280	"	288	"
Creek gravel	-----	288	"	300	"
Yellow sandy clay	-----	300	"	360	"
Blue clay	-----	360	"	435	"
Yellow clay	-----	435	"	458	"
Cement gravel	-----	458	"	498	"
Sandy clay	-----	498	"	550	"
Cement gravel	-----	550	"	560	"
Yellow clay	-----	560	"	597	"
Sandy clay	-----	597	"	608	"
Water gravel	-----	608	"	612	"
Yellow clay	-----	612	"	632	"
Cement gravel and water gravel	-----	632	"	639	"
Yellow clay	-----	639	"	643	"
Gravel, water	-----	643	"	650	"
Sandy clay	-----	650	"	658	"
Blue water sand	-----	658	"	664	"
Yellow clay and lime stone	-----	664	"	681	"

Casing.

- 16" - 104 ft.
- 12" - 299 ft.
- 10" - 584 ft.
- 8" - 681 ft.

Made out and signed by "John Reiber"  
2236 - 40th. Avenue, Oakland, Calif.

25/3W - 7

01-1416

Job #1177.

Atlas - Imperial Engine Company, 27th Ave.  
& Glascock Street, Oakland.

LOG OF WELL

Top soil & clay -----	30 feet
Gravel -----	30 to 36 "
Yellow clay -----	36 to 54 "
Blue clay -----	54 to 60 "
Yellow clay -----	60 to 78 "
Sand & Gravel -----	78 to 86 "
Rocks & Gravel -----	86 to 92 "
Yellow clay -----	92 to 98 "
Blue clay -----	98 to 104 "
Yellow clay -----	104 to 110 "

Surface Casing, 70 feet 1 1/4" No. 14 R. H.  
Double Casing including starter 6 feet  
long and 1 1/4" Shoe 3/8" x 3".

101 feet 12" No. 12 R. H. Double Casing  
including starter 15 feet long, 27 feet  
of machine perforations Chisel between  
1/16" & 1/8". 12" Shoe 5/8" x 6".

Well tested 60 G.P.M.  
Water tested 7 grains Chlorine Salts per  
U. S. Gallon.

Work done by J. M. Ough, 1201 - East  
Twelfth Street, Oakland, California.

Rig No. 7 - John Reiber, Foreman.

Job finished August 13 - 1929.

REGION \_\_\_\_\_  
 COUNTY \_\_\_\_\_  
 NEAR \_\_\_\_\_

DIVISION OF WATER RESOURCES  
 DEPARTMENT OF PUBLIC WORKS  
 STATE OF CALIFORNIA

BASIN \_\_\_\_\_  
 DWR. NO. 26/3M-781 B & M  
 OTHER NO. \_\_\_\_\_

WELL LOG

01-1401

LOCATION Cocoa Cola Company  
3001 Chapman St, Oakland  
 OWNER \_\_\_\_\_ ADDRESS \_\_\_\_\_  
 DRILLED BY D. J. K. ADDRESS \_\_\_\_\_  
 DRILLING METHOD \_\_\_\_\_ GRAVEL PACKED \_\_\_\_\_ DATE COMPLETED \_\_\_\_\_  
 SIZE OF CASING DEPTH \_\_\_\_\_ STRUCK WATER AT \_\_\_\_\_  
 PERFORATIONS \_\_\_\_\_ SIZE \_\_\_\_\_ No. \_\_\_\_\_  
 WATER LEVEL BEFORE PERFORATING \_\_\_\_\_ AFTER \_\_\_\_\_  
 TEST DATA: DISCHARGE G. P. M. \_\_\_\_\_ DRAWDOWN FT. \_\_\_\_\_ HOURS RUN \_\_\_\_\_  
 OTHER DATA AVAILABLE: WATER LEVEL RECORD \_\_\_\_\_ ANALYSIS \_\_\_\_\_  
 SURFACE ELEV. \_\_\_\_\_ DATUM \_\_\_\_\_ SOURCE OF INFORMATION \_\_\_\_\_

FOR FIELD COPIES USE ALTERNATE LINES

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
#1 0 - 3		Black adobe		
3 - 11		Hard yellow sandy clay		
11 - 16		Hard dry yellow sand		
16 - 18		Hard yellow cement clay small gravel mixed with it		
18 - 20		Hard brown sandy clay water coming in 13 feet from top		
#2 0 - 4		Black adobe		
4 - 15		Hard yellow sand clay		
15 - 17		Hard yellow sand clay		
17 - 22		Hard yellow clay water coming in 12 feet from top		
#3 0 - 3		Black adobe		
3 - 7		Hard yellow sandy clay		
7 - 10		Hard yellow clay no water in hole		
#4 0 - 3		Black adobe		
3 - 10		Hard yellow sand clay no water in hole		
#5 0 - 3		Black adobe		
3 - 10		Hard yellow clay no water in hole		

LOG OBTAINED BY \_\_\_\_\_ DATE \_\_\_\_\_ SHEET 1 OF \_\_\_\_\_

25/341 10

01-1420

Job #803. R. J. Simmons,  
2928 - Chapman Street, Oakland.

LOG OF WELL.

Yellow clay		18 feet
Gravel	18 to 20	"
Clay	20 "	48 "
Gravel	48 "	52 "
Yellow clay	52 "	72 "
Gravel	72 "	77 "
Hard clay	77 "	80 "
Hardpan	80 "	82 "
Cement gravel	82 "	90 "
Hard brown clay	90 "	108 "

78 feet of 8 inch No. 16 Collar Casing  
100 feet of 6 inch No. 16 Collar Casing

Water 80'

Water tests <sup>fl.</sup> 8.00 gr. per U. S. Gal. Chlorine Salts.

REGION \_\_\_\_\_  
 COUNTY Alameda  
 NEAR Fruitvale

STATE OF CALIFORNIA  
 DEPARTMENT OF WATER RESOURCES

DRAIN \_\_\_\_\_  
 DWR No. 025/03W-7J  
 OTHER No. No. 1

WELL LOG

01-1421

LOCATION West side of Fruitvale Avenue at Estuary at Fruitvale Power House (Power house torn down 1955)

OWNER Southern Pacific ADDRESS \_\_\_\_\_

DRILLED BY John P. Murphey ADDRESS \_\_\_\_\_

DRILLING METHOD Cable GRAVEL PACKED \_\_\_\_\_ DATE COMPLETED 1911

SIZE OF CASING DEPTH \_\_\_\_\_ STRUCK WATER AT \_\_\_\_\_

PERFORATIONS 117-124, 155-157, 169-173 SIZE 1/2" X 3" No. \_\_\_\_\_

WATER LEVEL BEFORE PERFORATING \_\_\_\_\_ AFTER Static at 19'6"

TEST DATA: DISCHARGE G. P. M. \_\_\_\_\_ DRAWDOWN FT. \_\_\_\_\_ HOURS RUN \_\_\_\_\_

OTHER DATA AVAILABLE: WATER LEVEL RECORD \_\_\_\_\_ ANALYSIS \_\_\_\_\_

SURFACE ELEV. \_\_\_\_\_ DATUM \_\_\_\_\_ SOURCE OF INFORMATION Murphy

DEPTH	ELEV. OF BOTTOM OF STRATUM	MATERIAL	THICKNESS	SP. YIELD %
0-2		Black adobe 277-279		Cemented gravel
2-10		Yellow clay 279-283		Blue clay and gravel
10-18		Sandy clay 283-305		Blue clay
18-22		Sand and clay 305-316		Blue sand
22-29		Clay and sand 316-321		Blue sand and clay
29-39		Clay 321-331		Blue clay
39-42		Sand and clay 331-334		Yellow clay and gravel
42-45		Clay 334-336		Cemented sand with clay
45-88		Sand and clay 336-356		Yellow clay and gravel
88-96		Blue clay 356-464		Blue clay
96-98		Blue sand and cemented gravel		
98-103		Blue clay		
103-111 1/2		Yellow sandy clay		
111 1/2-117		Yellow cemented gravel		
117-123 1/2		Loose gravel		
123 1/2-147		Yellow sandy clay		
147-152		Yellow clay, small gravel		
152-154		Yellow sand and clay		
154-156		Gravel		
156-159 1/2		Yellow sandy clay		
159 1/2-161 1/2		Yellow sand		
161 1/2-162		Gravel		
162-166		Yellow sandy clay		
166-168		Yellow clay		
168-173		Gravel		
173-218		Yellow clay		
218-239		Blue-gray clay		
239-260		Yellow sandy clay		
260-277		Blue clay		

FOR FIELD COPIES USE ALTERNATE LINES

LOG OBTAINED BY \_\_\_\_\_ DATE \_\_\_\_\_ SHEET 1 OF 2



~~25/30-7K~~  
25/30-7K

Job 1727. Orange-Lilliana Willie Gandy (Mrs.)  
Post Office Box 100, Berkeley, California  
Wendell, Oakland, California.  
1/25/50 (see page 1727).

Soil Profile

Clay	7	208
Clay with a little gravel	14	16
Clay	14	16
Gravel & Clay	10	28
Clay	32	31
Clay & Gravel	31	36
Clay	36	53
Red clay	15	37
Clay	37	72
Gravel & gravel	72	75

No coring.

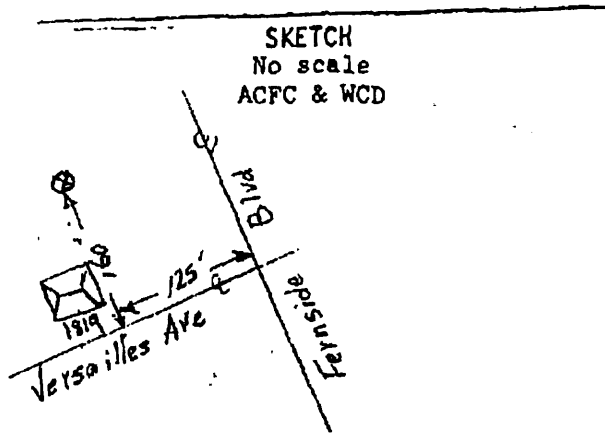
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STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**



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COUNTY OF ALAMEDA  
PUBLIC WORKS  
DEPARTMENT

1978 MAY 4 PM 12 59

DEPT. OF WATER  
RESOURCES