



SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

300 Lakeside Drive, P.O. Box 12688
Oakland, CA 94604-2688
(510) 464-6000

September 13, 2017
SD-17-199

RECEIVED

By Alameda County Environmental Health 3:16 pm, Sep 15, 2017

Karel Detterman P.G
Hazardous Materials Specialist
Alameda County Health Care Service Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Technical Report Request for Fuel Leak Case No. RO0003171 and GeoTrackerGlobal ID T10000007044, BART Maintenance Shop, 601 East 8th Street, Oakland, CA 94606-3606.

Dear Ms. Detterman:

The San Francisco Bay Area Rapid Transit District (BART) is pleased to submit the attached technical memorandum Technical Report Request for Fuel Leak Case No. RO0003171 and GeoTracker Global ID T10000007044, BART Maintenance Shop, 601 East 8th Street, Oakland, CA 94606-3606. This technical memorandum was prepared by CDM Smith in response to Alameda County Environmental Health's (ACDEH's) letter dated July 7, 2017 to BART requesting additional information associated with the waste oil underground storage tank (UST) at the BART Maintenance Shop located at 601 East 8th Street in Oakland, California.

CDM Smith is authorized by BART to perform environmental compliance tasks related to this case. I have read and acknowledge the content, recommendations, and/or conclusions contained in the attached technical memorandum submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website. If you have questions or need additional information, please call me at 510-464-7659.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gary C. Jensen", with a long horizontal flourish extending to the right.

Gary C. Jensen
Principal Engineer
Environmental Compliance Division



100 Pringle Avenue, Suite 300
Walnut Creek, California 94596
tel: 925-296-8023

September 12, 2017

Karel Detterman, P.G.
Hazardous Materials Specialist
Alameda County Health Care Service Agency
Dept. of Environmental Health Local Oversight Program (LOP) For Hazardous Materials Releases
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Technical Report Request for Fuel Leak Case No. R00003171 and GeoTracker
Global ID T10000007044, BART Maintenance Shop, 601 East 8th Street,
Oakland, CA 94606-3606**

Dear Ms. Detterman:

On behalf of San Francisco Bay Area Rapid Transit District (BART), CDM Smith Inc. has prepared this response to Alameda County Environmental Health's (ACDEH's) letter dated July 7, 2017 to BART requesting additional information associated with the waste oil underground storage tank (UST) at the BART Maintenance Shop located at 601 East 8th Street in Oakland, California. ACDEH's letter dated July 7, 2017 concurred that no further investigation activities are warranted for this case, and requested additional information related to the Updated Site Conceptual Model (SCM) and Data Gap Investigation Work Plan for Fuel Leak Case No. R00003171 at the BART Oakland Shop in Oakland, California (submitted on May 8, 2017) to further the case closure process. Below are responses to ACDEH's technical comments:

- **Technical Comment #1 - LTCP General Criteria e (Site Conceptual Model):** *ACDEH acknowledges the well survey performed using the Department of Water Resources (DWR) well data base, but requests review of Alameda County Public Works Agency (ACPWA) well data base for a complete inventory of vicinity water supply wells. The ACPWA and DWR data bases can provide considerably different results and therefore warrant review of both data bases. As a part of the SCM, please perform a Sensitive Receptor Study to determine if sensitive receptors such as irrigation, domestic, and/or industrial wells are present within a radius of 1,500 feet of the site. Please provide an SCM Addendum comprised of a figure on which the locations of those types of wells are plotted and a table similar to the figure and table provided in Attachment 2. The Well Survey request form is also included in Attachment 2.*

On August 28, 2017, CDM Smith submitted a request to the ACPWA for a survey of well completion reports processed within a radius of 2 miles from the site. Attachment 1 presents the request and a table of the results of the sensitive receptor study. The ACPWA survey



located 130 wells within a 2-mile radius of the site - 61 of the wells were destroyed, 57 of the wells are monitoring wells, 2 wells were geotechnical borings, 4 wells are test wells, and 5 wells are cathodic wells. The only well identified in the survey that was an irrigation, domestic, and/or industrial wells is an irrigation well at the Laney College property. However, because the Laney College property is greater than 1,500 feet from the BART Oakland Maintenance Shop, no sensitive receptors such as irrigation, domestic, and/or industrial wells were identified within 1,500 feet of the site. Since no sensitive receptors such as irrigation, domestic, and/or industrial wells were identified within the 1,500-foot radius, a figure of wells was not generated.

- **Technical Comment #2 – Site Management Plan for the Management of Petroleum Contaminated Soil and Groundwater:** *ACDEH requests submittal of a Site Management Plan (SMP) that describes BART’s procedures documenting standard contaminant management methodologies at BART facilities. If an SMP exists for BART facilities, please submit it; however, if a SMP does not exist, please prepare and submit a SMP for this facility which includes, but is not limited to, the following, by the date provided below... Each and all of these future actions, procedures, protocols, and etc. will be requested to be documented in a final future excavation report to be submitted to the County’s ftp site and to GeoTracker.*

BART develops site-specific Site Management Plans for sites where remedial actions or procedures are necessary to control exposure to site contamination for ensuring protection of public health and the environment. The site conceptual exposure model submitted on May 8, 2017 for the waste oil UST at the BART Oakland Maintenance Shop concludes that there are no complete exposure pathways to subsurface contaminants unless redevelopment of the tank area is implemented; therefore, the site does not need a Site Management Plan for the current use of the property. In addition, BART currently has no plans to change or modify the current industrial use of the property.

If future plans require redevelopment of the tank area or any intrusive activity that could expose workers to subsurface materials, BART would implement a soil or construction site management plan at that time to address any specific concerns relating to the exposure or handling of subsurface materials.

- **Technical Comment #3 – Electronic Submittal of Information (ESI) Compliance:** *Currently, site data and documents are maintained in two separate electronic databases – ACDEH’s File Transfer Protocol (FTP) site and the SWRCB’s Geotracker website. Both databases act as repositories for Portable Document Format (PDF) files of regulatory directives and reports, but only Geotracker has the functionality to store electronic compliance data in Electronic Deliverable Format (EDF) including the following... Please upload the requested data*



Ms. Detterman
September 12, 2017
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in accordance with California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3890 to 3895 to Geotracker.

The requested stand-alone EDF and GEO_MAP files were successfully uploaded to the Geotracker website on August 19, 2017.

We believe that no further work or submittals are warranted for this site, and BART requests that ACDEH proceed with case closure for this site. If you have any questions or would like to discuss the information presented in this letter, please contact me at (925) 296-8015.

Sincerely,

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



Ryan Wood, P.G.
Project Geologist
CDM Smith Inc.

Attachment 1 – ACPWA Well Survey Results

cc: Gary C. Jensen (BART)
Kassandra H. Tzou (CDM Smith)



Attachment 1

ACPWA Well Survey Results

R03171



COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
WATER RESOURCES SECTION
399 Elmhurst Street, Hayward, CA 94544-1307
James Yoo PH: (510) 670-6633 FAX: (510) 782-1939
FOR GENERAL DRILLING PERMIT INFO:
www.acgov.org/pwa/wells

WELL COMPLETION REPORT RELEASE AGREEMENT—AGENCY
(Government and Regulatory Agencies and their Authorized Agents)

Project No./Site Address BART Oakland Shop
601 East 8th Street, Oakland, CA 94606-3606 City Oakland

Township, Range, and Section APN: 019 000201302 Radius 1,500 feet
(Must include entire study area and a map that shows the area of interest.)

Under California Water Code Section 13752, the agency named below requests permission from Department of Water Resources to inspect or copy, or for our authorized agent named below to inspect or copy, Well Completion Reports filed pursuant to Section 13751 to (check one):

- Make a study, or,
- Perform an environmental cleanup study associated with an unauthorized release of a contaminant within a distance of 2 miles.

In accordance with Section 13752, information obtained from these reports shall be kept confidential and shall not be disseminated, published, or made available for inspection by the public without written authorization from the owner(s) of the well(s). The information shall be used only for the purpose of conducting the study. Copies obtained shall be stamped **CONFIDENTIAL** and shall be kept in a restricted file accessible only to agency staff or the authorized agent.

Ryan Wood, CDM Smith Inc.
Authorized Agent

100 Pringle Avenue, Suite 300

Address

Walnut Creek, CA 94596

City, State, and Zip Code

[Signature]
Signature

Geologist

Title

Telephone () (925) 296-8015

Fax () (925) 933-4174

August 28, 2017
Date

woodr@cdmsmith.com
E-mail

Karel L. Detterman, P.G.
Hazardous Materials Specialist
Governmer

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway, Alameda, CA 94502-6577
Address 510-567-6708 • Fax 510-337-9335
E-mail: karel.detterman@acgov.org
www.acgov.org/aceh/

City, State, and Zip Code

Karel Detter
Signature

Title

Telephone ()

Fax ()

Aug. 28, 2017
Date

E-mail

WELL SURVEY RESULTS
BART Oakland Maintenance Shops
601 East 8th Street
Oakland, CA 94606-3606

Well No.	Well Owner	Well Address		Date Installed	Total Well Depth (feet)	Well Use ¹
		Address	City			
1	Laney College	900 Fallon St.	Oakland	5/89	20	MON
2	Laney College	900 Fallon St.	Oakland	11/1/1990	30	TES
3	Laney College	900 Fallon St.	Oakland	4/88	50	DES
4	Laney College	900 Fallon St.	Oakland	12/1/1990	190	IRR
5	Laney College	900 Fallon St.	Oakland	5/89	20	MON
6	Laney College	900 Fallon St.	Oakland	5/89	20	MON
7	Laney College	900 Fallon St.	Oakland	6/90	0	BOR
8	Laney College	900 Fallon St.	Oakland	6/90	20	MON
9	Rashid Ghafoor-EW-3	413 East 12th St	Oakland	NA	20	MON
10	Rashid Ghafoor-EW-4	413 East 12th St	Oakland	NA	20	MON
11	Eastlake Associates	1445 5th Ave.	Oakland	10/1/1990	52	BOR
12	PACIFIC GAS AND ELECTRIC	E. 11 & 5 AV	Oakland	4/74	120	CAT
13	EBMUD	E 11TH ST & 4TH AVE	Oakland	10/1/1986	65	CAT
14	Eastlake Associates	1445 5th Ave.	Oakland	10/1/1990	9	MON
15	Eastlake Associates	1445 5th Ave.	Oakland	12/1/1990	30	MON
16	Eastlake Associates	1445 5th Ave.	Oakland	12/1/1990	24	MON
17	Perry Pahlmeyer MW-1	450 East 14th St.	Oakland	8/92	20	TES
18	Perry Pahlmeyer MW-2	450 East 14th St.	Oakland	8/92	20	TES
19	Perry Pahlmeyer MW-3	450 East 14th St.	Oakland	8/92	22	TES
20	Michael Liu	1044 5th Ave	Oakland	10/1/1998	20	MON
21	PACIFIC GAS AND ELECTRIC	E. 10 & 4 AV	Oakland	9/74	120	CAT
22	PACIFIC GAS AND ELECTRIC	HARVARD CIR	Castro Valley	3/76	120	CAT
23	Dick Cochran, P.O. Box 20327, Oakland, CA, 94620, MW-1	1049 9th Avenue	Oakland	NA	20	DES
24	Dick Cochran, P.O. Box 20327, Oakland, CA, 94620, MW-2	1049 9th Avenue	Oakland	NA	20	DES
25	Dick Cochran, P.O. Box 20327, Oakland, CA, 94620, MW-3	1049 9th Avenue	Oakland	NA	20	DES
26	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, AMW01	445 9th Avenue	Oakland	NA	6.5	MON
27	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, AMW02	445 9th Avenue	Oakland	NA	6.5	MON
28	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, AMW03	445 9th Avenue	Oakland	NA	6.5	MON
29	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, AMW04	445 9th Avenue	Oakland	NA	6.5	MON
30	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, BMW01	445 9th Avenue	Oakland	NA	6.5	MON
31	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, BMW02	445 9th Avenue	Oakland	NA	6.5	MON
32	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, BMW03	445 9th Avenue	Oakland	NA	6.5	MON
33	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, CMW01	445 9th Avenue	Oakland	NA	6.5	MON
34	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, CMW02	445 9th Avenue	Oakland	NA	6.5	MON
35	Zarsion-Oakland Harbor Partners I LLC, 2201 Broadway, Suite 640, Oakland, CA, 94612, CMW03	445 9th Avenue	Oakland	NA	6.5	MON
36	ABCD Investors	1111 E 12th St	Oakland	6/93	36	MON
37	ABCD Investors	1111 E 12th St	Oakland	6/93	28	MON
38	ABCD Investors	1111 E 12th St	Oakland	6/93	28	MON
39	Donald Gibson	1199 E 12th St	Oakland	1/95	30	MON
40	Gibson Paint MW1	1199 E. 12th St	Oakland	8/91	25	MON
41	Gibson Paint MW2	1199 E. 12th St	Oakland	8/91	25	MON
42	Gibson Paint MW3	1199 E. 12th St	Oakland	8/91	25	MON

WELL SURVEY RESULTS
BART Oakland Maintenance Shops
601 East 8th Street
Oakland, CA 94606-3606

Well	Well Address	Date	Total Well	Well
43	Jack Cakebread MW-1	802 E 12th St Oakland	7/91 23	MON
44	American Ink	630 E 10th St Oakland	8/93 25	MON
45	BART MW1	E 8th St & 5th Oakland	4/91 22	MON
46	BART MW2	E. 8th St & 5th Oakland	4/91 21	MON
47	BART MW3	E. 8th St & 5th Oakland	4/91 23	MON
48	Port of Oakland	8th Av && Embarcadero Oakland	8/93 15	MON
49	Port of Oakland	8th Av && Embarcadero Oakland	8/93 20	MON
50	Port of Oakland	8th Av && Embarcadero Oakland	8/93 16	MON
51	Port of Oakland	8th Av && Embarcadero Oakland	8/93 16	MON
52	Zarison OHP I LLC, 2335 Broadway Suite 200, Oakland, CA, 94612, OHP-MW15	321 Embarcadero Oakland	NA 15	DES
53	Zarison OHP I LLC, 2335 Broadway Suite 200, Oakland, CA, 94612, OHP-MW14	321 Embarcadero Oakland	NA 15	DES
54	COUNTY OF ALAMEDA	LAKE MERRITT PUMP STA Oakland	2/1/1988 31	MON
55	Peralta Community College	501 5th Av Oakland	2/94 15	MON
56	Peralta Community College	501 5th Av Oakland	2/94 15	MON
57	Peralta Community College	501 5th Av Oakland	2/94 15	MON
58	Peralta Community College	501 5th Av Oakland	2/94 15	MON
59	Port of Oakland MW-1	251 5th Ave Oakland	5/92 13	MON
60	Seabreeze Yacht Center	280 6th Av Oakland	11/1/1994 10	MON
61	UNION PACIFIC RR	WPRR & LK MERRITT CHANNEL Oakland	3/85 175	CAT
62	Port of Oakland	280 6th Avenue Oakland	4/91 25	MON
63	Port of Oakland	280 6th Avenue Oakland	4/91 25	MON
64	Liquid Carbonic MW-1	901 Embarcadero Oakland	9/92 20	MON
65	Liquid Carbonic MW-2	901 Embarcadero Oakland	9/92 20	MON
66	Liquid Carbonic MW-3	901 Embarcadero Oakland	9/92 20	MON
67	Port of Oakland-Keep on T	370 8th Av Oakland	3/95 20	MON
68	Port of Oakland-Keep on T	370 8th Av Oakland	3/95 20	MON
69	Port of Oakland-Keep on T	370 8th Av Oakland	3/95 20	MON
70	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-2-T	445 9TH AVE Oakland	NA 15	DES
71	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-3-T	445 9TH AVE Oakland	NA 20	DES
72	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-4	445 9TH AVE Oakland	NA 15.5	DES
73	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-5	445 9TH AVE Oakland	NA 20	DES
74	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-6	445 9TH AVE Oakland	NA 20	DES
75	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, MW-7	445 9TH AVE Oakland	NA 20	DES
76	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW01	445 9TH AVE Oakland	NA 13	DES
77	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW05	445 9TH AVE Oakland	NA 13	DES
78	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-16	445 9TH AVE Oakland	NA 18	DES
79	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-19	445 9TH AVE Oakland	NA 18	DES
80	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-26	445 9TH AVE Oakland	NA 20	DES
81	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-27	445 9TH AVE Oakland	NA 18	DES
82	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-28	445 9TH AVE Oakland	NA 20	DES
83	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-34	445 9TH AVE Oakland	NA 16	DES
84	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-35	445 9TH AVE Oakland	NA 16	DES

WELL SURVEY RESULTS
BART Oakland Maintenance Shops
601 East 8th Street
Oakland, CA 94606-3606

Well		Well Address	Date	Total Well	Well
85	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-4	445 9TH AVE Oakland	NA	18	DES
86	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-6	445 9TH AVE Oakland	NA	18	DES
87	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW02	445 9TH AVE Oakland	NA	18.5	DES
88	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-13	445 9TH AVE Oakland	NA	18.5	DES
89	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-15	445 9TH AVE Oakland	NA	18	DES
90	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-21	445 9TH AVE Oakland	NA	18	DES
91	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-22	445 9TH AVE Oakland	NA	18	DES
92	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-24	445 9TH AVE Oakland	NA	18	DES
93	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-30	445 9TH AVE Oakland	NA	19	DES
94	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-31D	445 9TH AVE Oakland	NA	49	DES
95	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-32	445 9TH AVE Oakland	NA	21	DES
96	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-33	445 9TH AVE Oakland	NA	16	DES
97	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-7	445 9TH AVE Oakland	NA	18	DES
98	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, AMW02	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
99	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, AMW03	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
100	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, AMW04	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
101	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, BMW01	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
102	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, BMW02	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
103	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, BMW03	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
104	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, CMW01	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
105	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, CMW02	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
106	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, CMW03	445 9th Ave & Embarcadero Oakland	NA	6.5	DES
107	Schnitzer Steel Industries Inc. MW10	1101 Embarcadero West Oakland	NA	12.5	MON
108	Schnitzer Steel Industries Inc. MW5	1101 Embarcadero West Oakland	NA	14	MON
109	Schnitzer Steel Industries Inc. MW6	1101 Embarcadero West Oakland	NA	15.5	MON
110	Schnitzer Steel Industries Inc. MW7	1101 Embarcadero West Oakland	NA	14	MON
111	Schnitzer Steel Industries Inc. MW8	1101 Embarcadero West Oakland	NA	24.5	MON
112	Schnitzer Steel Industries Inc. MW9	1101 Embarcadero West Oakland	NA	14	MON
113	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-DMW01	445 9TH AVE Oakland	NA	50	DES
114	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-DMW02	445 9TH AVE Oakland	NA	50	DES
115	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-DMW03	445 9TH AVE Oakland	NA	50	DES
116	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW03	445 9TH AVE Oakland	NA	16	DES
117	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW04	445 9TH AVE Oakland	NA	13	DES
118	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW06	445 9TH AVE Oakland	NA	13	DES
119	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, OHP-MW23	445 9TH AVE Oakland	NA	13	DES
120	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-10	445 9TH AVE Oakland	NA	18	DES
121	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-11	445 9TH AVE Oakland	NA	18	DES
122	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-12	445 9TH AVE Oakland	NA	18.5	DES
123	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-2	445 9TH AVE Oakland	NA	18	DES
124	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-3	445 9TH AVE Oakland	NA	18	DES
125	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-8	445 9TH AVE Oakland	NA	18	DES
126	ZARSION-OAKLAND HARBOR PARTNERS I LLC, 2201 BROADWAY, STE. 640, OAKLAND, 94612, SCIMW-9	445 9TH AVE Oakland	NA	18	DES

WELL SURVEY RESULTS
BART Oakland Maintenance Shops
601 East 8th Street
Oakland, CA 94606-3606

Well		Well Address	Date	Total Well	Well	
127	Zarsion-Oakland Harbor Partners I LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, OHP-MW20	445 9th Ave & Embarcadero	Oakland	NA	13	DES
128	Zarsion-Oakland Harbor Partners I LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, OHP-MW21	445 9th Ave & Embarcadero	Oakland	NA	13	DES
129	Zarsion-Oakland Harbor Partners I LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, OHP-MW22	445 9th Ave & Embarcadero	Oakland	NA	13	DES
130	Zorsion Oakland Harbor Partners LLC, 2335 Broadway Suite #200, Oakland, CA, 94612, AMW01	445 9th Ave & Embarcadero	Oakland	NA	6.5	DES

Abbreviations:

BOR - Geotechnical investigation
CAT - Cathodic Well
DES - Well Destroyed (through permit)
DOM - Domestic Well
IRR - Irrigation Well
MON - Monitoring Well
NA - Not Available
TES - Test Well

Note:

1. Only one well identified in this survey (Well #4 at the Laney College property) is an irrigation, domestic, and/or industrial wells. However, because the Laney College property is greater than 1,500 feet from the BART Maintenance Shop, no sensitive receptors such as irrigation, domestic, and/or industrial wells were identified within the 1,500 feet of the site, and a figure locating the wells was deemed unnecessary.