



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

February 10, 2014

Mr. George Gemayel, President
California Environmental Engineering, LLC.
2530 South Birch Street
Santa Ana, California 92707
(george@ceecalif.com)

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

CALIFORNIA WATER CODE SECTION 13267 ORDER – DIRECTIVE FOR SITE INVESTIGATION AT FORMER DICEON ELECTRONICS, 2215 SOUTH STANDARD AVENUE, SANTA ANA (GLOBAL ID # SL605992693; PCA # 2080007)

Dear Mr. Gemayel:

The Santa Ana Regional Water Quality Control Board (Regional Board) is charged with the protection of the beneficial uses of groundwater in parts of Orange, Riverside, and San Bernardino counties that are located within the Santa Ana River and San Jacinto River Watersheds. The former Diceon Electronics facility is located within the Orange County Groundwater Management Zone of the Santa Ana River Watershed. Beneficial uses of the groundwater in the Orange County Groundwater Management Zone include Municipal, Agricultural, and Industrial Water Supply.

According to the information that has been provided to us from several phases of soil and groundwater investigation at the above-referenced property (Site), volatile organic compounds (VOCs) have been detected in the groundwater beneath the Site, at concentrations that exceed the California Department of Public Health (DPH) maximum contaminant levels (MCLs) for drinking water. VOCs have also been detected in the groundwater immediately downgradient of the Site above their corresponding MCLs. The solvent stabilizer 1,4-dioxane has also been detected in the groundwater beneath and downgradient of the Site, at concentrations that exceed its California DPH notification level.

You have not proceeded in a timely fashion with the additional investigation to fully delineate the extent of VOCs that are present in the soil and groundwater as a result of the discharges of waste at your property. During the past 8 years, we have made multiple requests to you to proceed with the groundwater investigation, and submit technical reports with analytical results and recommendations to address the impacts to groundwater. Our records clearly demonstrate that you have repeatedly disregarded the agreed-upon deadlines for submittal of the requested technical reports, and have consistently submitted belated requests for extension of the deadlines. Examples of communications in regard to these extension requests and delays are available in our letters and e-mails of: March 2006; January, February and September 2008; April, May and September 2010; March, April and October 2011; January 2012; and December 2013. In the most recent case, we requested a brief work plan for decommissioning a monitoring well (MW-2), and replacing it with new wells. The work plan was due on December 16, 2013. Instead of submitting the work plan, you contacted us by email on the submittal due

WILLIAM RUH, VICE-CHAIR | KURT V. BERCHTOLD, EXECUTIVE OFFICER

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date and requested a 30-day extension, without providing a valid reason for the request. Accordingly, your request was denied. To date, we have not received the work plan.

This Investigation Order directs you, George Gemayel, dba California Environmental Engineering, LLC, and First Warner Properties, LLC, the responsible party (RP), to: conduct the additional investigation at and downgradient of the Site; propose and conduct proper remedial activities; and submit the results to Regional Board staff in a timely manner. Failure to do so will subject you to penalties under the Water Code. In addition, Regional Board staff reserves all of its rights to seek penalties for your discharges causing the contamination on the Site and delays in responding to previous Orders.

Background

Several companies have conducted industrial activities at the site, starting in 1959 with the Marotta Valve Corporation (MVC), which manufactured pneumatic and hydraulic valves. According to historical records, MVC used the following chemicals at the site: nitric acid, hydrogen peroxide, trichloroethylene (TCE), isopropanol, kerosene, and acetone. In 1972, the property was sold to Standard Logic, who owned and occupied the property until November 1983. Standard Logic manufactured circuit boards and had a permit with the Air Quality Management District for a degreaser at the site. Standard Logic sold the property to Ticor in November 1983, who sold it to Mr. John W. Hamilton within that same year. In December 1985, Mr. Hamilton sold the property to Dril-Tron, Inc. (dba Lintronic Industries), which also manufactured circuit boards. In July of 1987, the property was acquired by Diceon Electronics, Inc. (Diceon). In 1987, Diceon constructed a Water Treatment Area and a Chemical Storage Area at the site.

In 1995, Diceon merged with Elexsys International Corporation (Elexsys), which in turn, merged with Sanmina Corporation (Sanmina) in 1997. Diceon, Elexsys and Sanmina manufactured printed circuit boards at the property for a total of eleven years. Chlorinated solvents (including both TCE and tetrachloroethylene [PCE]) were used in Site operations during this 11-year period. Mr. George Gemayel, later known as the Gemayel Family Trust, later known as First Warner Properties, LLC, acquired the property in July of 1998.

Environmental Investigation

In November of 1992, Environmental Science and Engineering (ESE) conducted a limited site assessment for Diceon. Soil borings were hand-augered to 3 feet below ground surface (bgs) at eight locations. Soil samples were collected and submitted to a laboratory for chemical analysis for heavy metals (hexavalent chromium, total chromium, copper, lead and nickel) and VOCs. Elevated concentrations of copper (300 milligrams/kilogram [mg/kg]) were detected in the concrete at boring B4, located near a former above ground tank area at the site. TCE was detected in all of the soil samples, and concentrations ranged from 4.0 to 1,200 micrograms/kilogram ($\mu\text{g}/\text{kg}$). The highest concentration of TCE was detected in the soil sample from boring B3, located at the sump in Diceon's chemical storage area. PCE was detected in four of the soil samples, and concentrations ranged from 5 to 700 $\mu\text{g}/\text{kg}$. The highest concentration of PCE was detected in a soil sample from boring B8, located below the sump in the former screen making area. The following VOCs were also detected in at least one soil sample: benzene, 2-butanone (MEK), 1,1-dichloroethene (DCE), 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-DCE, cis-1,3-dichloropropene (DCP) and acetone. Based on the findings, ESE recommended collection of additional soil samples.

In 1994, ESE collected soil samples at 5-foot intervals from two hand-augered soil borings, which were advanced to depths of 13 and 19.5 feet, respectively. The borings were located in areas where the highest concentrations of TCE and PCE had been detected in the soil in the previous investigation. Groundwater was encountered at approximately 10 feet bgs. The highest concentrations of VOCs detected were TCE at 1,700 µg/kg (at 10 feet bgs) and PCE at 590 µg/kg (at 8.5 feet bgs). In December of 1994, two groundwater monitoring wells (MW-1 and MW-2) were installed in the areas with the highest TCE and PCE concentration in the soil. MW-1 was installed just east of the chemical storage area, and MW-2 was installed in the former film and negative etching and processing lab area, near the long plating processing room. Groundwater samples were collected in January 1995. The maximum concentrations of VOCs detected in the groundwater were TCE at 54,000 micrograms per liter (µg/L) in MW-1, and PCE at 1,700 µg/L in MW-2.

ESE collected another set of groundwater samples in April of 1998. The maximum concentrations of VOCs detected were 15,000 µg/L of TCE in MW-1, and 1,900 µg/L of PCE in MW-2.

In July 1998, H2OGeol was retained jointly by the seller (Elexsys) and the potential purchaser, to perform additional site assessment prior to the sale of the property. Another consultant, Nutech, had also been contracted on your behalf. A staff member from Nutech was present at the Site to observe the July 1998 sampling, and to collect split samples. H2OGeol drilled three soil borings along the northern (upgradient) property line, to check for possible migration of contaminants onto the Site. Additional borings were drilled at the following locations: adjacent to a work area east of the aboveground storage tanks area; downgradient of the suspected location of a clarifier system; downgradient of a former above ground storage tank; southwest area of the property; and southeast of the former clarifier, pH neutralization storage tank, and containment area. Soil samples were collected at the depths where groundwater was first encountered (5.5 to 10 feet bgs). Within the property boundary along the northern fence line, the highest VOC concentration in the soil was TCE at 1,000 µg/kg, detected in the sample collected at 7.4 feet. In the southwestern area of the Site, the highest VOC concentration was detected in a soil sample from 4 feet bgs. Groundwater samples were also collected from the soil borings. The maximum VOC concentrations detected in the groundwater were PCE at 1,700 µg/L and TCE at 970 µg/L. Groundwater samples were also collected from previously installed wells MW-1 and MW-2. The maximum concentrations of VOCs were TCE at 28,000 µg/L (MW-1) and PCE at 2,800 µg/L (MW-2).

In November 1998, NuTech collected additional groundwater samples at the Site. The maximum concentrations of VOCs detected were TCE at 11,000 µg/L (MW-1) and PCE at 2,400 µg/L (MW-2). Depth to groundwater was 13.63 to 14.4 feet bgs.

In June 1999, NuTech conducted additional soil investigation adjacent to and beneath the former chemical storage area and water treatment area, both located east of the Site's existing building. NuTech drilled seven soil borings to 40 feet bgs, and soil samples were collected every 5 feet. The highest VOC concentrations detected in the soil samples were TCE at 1,100 µg/kg at 5 feet bgs, near the chemical storage area, and 3,300 µg/kg at 30 feet bgs located east of the former clarifier, pH neutralization storage tank, and containment area. In August 1999, Nutech collected groundwater samples from the two on-site wells. The highest VOC concentrations were TCE at 13,000 µg/L (MW-1) and PCE at 1,600 µg/L (MW-2). Nutech recommended remediation of the groundwater by *in situ* bioremediation. The proposed remedial action was never implemented.

Monitoring well MW-1 was destroyed during construction activities that took place at the Site between 1999 and 2002.

In February 2002, Tri-S Environmental installed six additional groundwater monitoring wells. The wells were installed in pairs at three locations: three in the shallow zone (Zone A) between 10 to 30 feet bgs, and three in the deeper zone (Zone B) between 30 to 42 feet bgs. Soil samples were collected every five feet. Detectable concentrations of TCE were found in nearly all of the soil samples, and ranged from 17 to 2,400 µg/kg. The highest concentrations were detected in the samples collected at 25 feet bgs in boring MW-4A, and at 15 to 25 feet bgs in boring MW-5A. Groundwater sampling was conducted in March 2002. The groundwater flow direction was toward the southwest. The maximum VOC concentrations were PCE at 2,300 µg/L (MW-2) and TCE at 22,000 µg/L (MW-5B). The wells were sampled again in May 2002 and the maximum VOC concentrations were PCE at 37,000 µg/L and TCE at 12,000 µg/L from well MW-5B.

In July 2006, Artmn, Inc. was retained to collect groundwater measurements and samples for chemical analysis. Depth to groundwater was measured in each well, ranging from 3.99 to 11.14 feet bgs in the Zone A, and from 13.62 to 14.64 feet bgs in the Zone B. Prior to sample collection, the wells were purged through the unconventional method of using a vacuum truck to extract the groundwater. Groundwater samples were collected from all seven wells, and submitted for VOC analysis by U.S. EPA Method 8260B. The highest VOC concentrations were PCE at 1,068 µg/L in MW-2 and TCE at 13,061 µg/L in MW-5B.

In 2009, Bureau Veritas North America, Inc. was retained to conduct groundwater monitoring at the Site. Two rounds of sampling were conducted, in July and October of 2009. The maximum concentrations of VOCs detected in July were TCE at 113,000 µg/L in MW-5B and PCE at 921 µg/L in MW-2. In October, the maximum concentrations of VOCs detected were PCE at 873 µg/L in MW-2 and TCE at 17,600 µg/L in MW-5B. In May 2010, Bureau Veritas installed, sampled, and surveyed wells MW-6A and MW-6B on the northeastern end of the Site to monitor potential off-site sources for VOCs.

In November 2010, The Reynolds Group was retained to conduct groundwater monitoring and investigation at the Site. A soil and groundwater investigation was conducted at the Site between October and December 2011 by the Reynolds Group. Two membrane interphase probes (MIP) were also advanced at the hazardous material storage area (SP1), at the former clarifier area (SP2) and west of the former clarifier (SP5). Based on the analytical results from soil and groundwater sampling at those areas, the following detections were made: TCE was detected in soil at SP1 at 2,324 µg/kg, at 891 µg/kg at SP2, and at 129 µg/kg at SP5. 1,4-dioxane was detected at 13.9 µg/kg at SP1. TCE was detected in the groundwater at 125.2 µg/L at SP1, at 2,982.3 µg/L at SP2, and at 2,151 µg/L at SP5 locations. 1,4-Dioxane was detected at 13.8 µg/L at SP1, at 37.5 µg/L at SP2, and 158.4 µg/L at SP5 locations.

In March 2012, Environmental Resource Management (ERM), on behalf of Sanmina-SCI Corporation, conducted an environmental investigation of soil and groundwater at the Site. MIP technology was applied to obtain data from seventeen locations at the northern and eastern boundaries of the Site (MIP-01 through MIP-12, MIP-14, MIP-02A, MIP-02B, MIP-04A, and MIP-04B). Soil samples were collected from four of these locations. TCE was detected at 44 µg/kg at MIP-11 at a depth of 33 feet bgs. Six discrete-depth groundwater grab-samples were collected at four boring locations. TCE was detected in the sample from MIP-11 locations at 1,100 µg/L at 33 feet bgs. The same samples had 1,4-dioxane concentration of 41 µg/L, and 1,1-DCE concentration of 50 µg/L. The groundwater samples from MIP-06 (at 53 feet bgs) had

TCE detection of 230 µg/L, PCE detection of 55 µg/L, cis-1,2-DCE detection of 38 µg/L and 1,1-DCE detection of 67 µg/L, and 1,4-dioxane detection of 31 µg/L.

The Orange County Water District (OCWD) conducted cone penetrometer testing (CPT) and Hydropunch® sampling at two downgradient off-site locations (SAM-CPT84 and 85) and three on-site locations (SAM-CPT86, 87, and 88A) in Summer 2012 and January 2013, respectively. The maximum concentrations of VOCs detected in the off-site locations were TCE at 270 µg/L (CPT84 at 61 feet bgs) and 470 µg/L (CPT85 at 50 feet bgs) while the highest on-site concentrations for TCE were detected at SAM-CPT88A (160 µg/L at 53 feet bgs and 290 µg/L at 65 feet bgs). 1,4-Dioxane was also detected in both on- and off-site samples: 33 µg/L in SAM-CPT88A at 65 feet bgs and 52 µg/L in SAM-CPT85 at 50 feet bgs, respectively.

The most recent groundwater monitoring data available to Regional Board staff are from July 2013. The highest concentrations of the primary contaminants of concern (COCs) in µg/L from the on-site groundwater monitoring wells are as follows:

<i>Chemical</i>	<i>Zone A Wells</i>	<i>Zone B Wells</i>
TCE	43,656	13,270
PCE	5,029	177
cis-1,2-DCE	558	267
1,1-DCE	24	328
1,4-Dioxane	42	353

Data Interpretation

The results from the most recent sampling of the Site's existing groundwater monitoring wells indicate that significant concentrations of TCE, PCE, their degradation products (e.g., 1,1-DCE and cis-1,2-DCE) and 1,4-dioxane are present in the central and western portions of the Site. The soil matrix data also show VOC impacted soil to be present near the former Chemical Storage Areas and the former Clarifier. This could suggest that the highest impact of VOCs on the soil and groundwater occurred within the aforementioned areas. The highest concentrations of TCE in Zones A and B were found in wells MW-5A and MW-5B. This well cluster is located in the central portion of the Site and adjacent to one of the former Chemical Storage Areas. The highest concentrations of PCE and cis-1,2-DCE were also detected in the same well cluster.

The data from the on-site downgradient well MW-2 and the off-site CPT locations, clearly indicate that VOC impacted groundwater has migrated beyond the southern boundaries of the Site. Therefore, as a result of the past manufacturing operations at the Site, VOCs and 1,4-dioxane have been discharged and/or are discharging to the soil and groundwater beneath the Site and into the groundwater downgradient of the Site.

The Need for the Investigation

Based on the data that have been provided to Regional Board staff, it is evident that the groundwater beneath the Site and its downgradient areas has been impacted with VOCs. Therefore, the full extent of groundwater impacted by discharges of waste from the former Diceon facility must be established, in order to develop an appropriate remedial action plan

necessary for protection of the beneficial uses of the Orange County Groundwater Management Zone impacted by activities at the Site.

Section 13267 of the California Water Code provides that the Regional Board may require any person who has discharged, discharges, or is suspected of having discharged or discharging waste that could affect the quality of waters within its region, to furnish technical or monitoring reports. An additional soil and groundwater assessment report is necessary to define the impacts to groundwater quality, and to assess what, if any, remedial actions are necessary to abate the effects of the discharges of waste at the Site. You, George Gemayel, dba California Environmental Engineering, LLC.; and First Warner Properties, LLC.; are the RP who bears the liability for the environmental contamination at the Site and its downgradient area. Therefore, you are responsible for providing the required technical reports to Regional Board staff. The information in the report will be used by Regional Board staff to determine the need for additional reports regarding further assessment and/or remediation work to protect water quality.

Evidence Supporting the Need for the Investigation

The environmental site assessment activities that have been conducted so far at the former Diceon Electronics facility indicate that VOC contamination exists in soil and groundwater beneath the Site and at the off-site downgradient areas (Enclosures 1, 2 and 3). Despite several requests made to the RP to conduct additional soil and groundwater investigations at the Site, the RP has failed to submit a work plan for additional investigation.

The groundwater quality data that has been collected over the past two decades at the Site indicate that the VOC concentrations in the groundwater have been consistently high. Based on the existence of known sources of contamination that have been identified at the Site, we conclude that you, Mr. George Gemayel, dba California Environmental Engineering, LLC.; and First Warner Properties, LLC.; have discharged, are discharging, or are suspected of having discharged or discharging VOCs, which have impacted groundwater beneath the property at 2215 South Standard Avenue in Santa Ana. Failure to submit a work plan to conduct additional investigation in the on- and off-site areas supports the requirement for an Investigation Order, as defined in Section 13267(b)(1) of the California Water Code. Furthermore, the burden, including costs of the work plan, investigation, and investigation report bear a reasonable relationship to the need for these documents and the benefits to be obtained from them. The investigation of the on- and off-site areas is expected to provide information that will be used to determine the extent that discharges have impacted or threaten to impact the beneficial uses of the groundwater beneath and downgradient of the Site.

Therefore, pursuant to Section 13267 of the California Water Code, you are directed to submit a report that contains information from an additional soil, soil gas, and groundwater investigation to assess the full lateral and vertical extent of the VOC-impacted groundwater at the on- and off-site areas and to evaluate possible risks to the health of occupants of the buildings at the Site.

Deadlines

1. A work plan for a complete characterization of soil and groundwater at the Site and the downgradient off-site areas must be submitted to Regional Board staff no later than **March 28, 2014**. The work plan must include a detailed time schedule for the tasks to be conducted, including drilling of boreholes, soil and groundwater sampling, well construction

and well development. The previously requested scope of work for the abandonment of well MW-2 and installation of three new monitoring wells at the southern boundary of the Site must be incorporated into the work plan. The work plan and time schedule will be subject to my approval.

2. The investigation must commence within 30 days of my approval of the work plan.
3. The final report for the groundwater characterization, including (at a minimum) the borehole logs, well construction details, groundwater elevation data, and groundwater analytical results, must be submitted to Regional Board staff within 45 days of completing the field work.

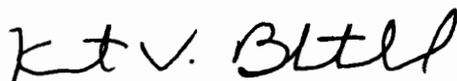
Failure to submit the work plan by March 28, 2014, or the final report by the due date in the approved time schedule, may subject you to administrative civil liability in the amount of up to \$1,000 per day, pursuant to Section 13268(a) and (b) of the California Water Code. This is in addition to liability for any actions that caused or contributed to the discharges and which may be needed to remediate the discharges.

Recovery of Regional Board Expenses

California Water Code Section 13365 addresses the billing process for the Board to recover reasonable expenses for overseeing investigation of illegal discharges, contaminated properties, and other unregulated releases that may adversely affect the State's waters. It is the Board's intent to recover such costs for regulatory oversight work conducted in accordance with this order.

If you have any questions, please call Nick Amini, the Case Manager, at (951) 782-7958, or send email to nick.amini@waterboards.ca.gov, or you may contact Ann Sturdivant, Chief of the Site Cleanup Section, at (951) 782-4904, or by email at ann.sturdivant@waterboards.ca.gov.

Sincerely,



Kurt V. Berchtold
Executive Officer

Enclosures:

1. The Reynolds Group; January 27, 2012; "Additional Site Assessment Report", Tables 1 and 2.
2. The Reynolds Group; August 30, 2013; "Quarterly Groundwater Monitoring and Status Report – 3RD Quarter 2013", Figures 4A, 4B, 5A, and 5B.
3. Orange County Water District; March 21, 2013; Map for the "South Basin Groundwater Protection Project – Central".

cc: Sosi Bardakjian – CEE (sosi@ceecalif.com)
David Rice – Office of Chief Counsel, SWRCB (david.rice@waterboards.ca.gov)
Ed Reynolds – The Reynolds Group (Reynolds@reynolds-group.com)
Al Fuan – The Reynolds Group (Fuan@reynolds-group.com)
David Bolin – OCWD (dbolin@ocwd.com)

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Enclosure 1

**Additional Site Assessment Report
Tables 1 and 2**

**TABLE 1
HISTORICAL SUMMARY OF SOIL SAMPLE RESULTS
RESULTS IN MICROGRAMS PER KILOGRAM (µg/kg)**

**FORMER DICEON ELECTRONICS
2215 S. STANDARD AVENUE
SANTA ANA, CALIFORNIA**

Well ID	Depth Sampled (feet below ground surface)	Date Sampled	PCE	TCE	1,1-DCE	1,2-DCE	CIS 1,2-DCE	trans-1,2-DCE	1,4-Dioxane	cis-1,3-DCP	1,2-DCA	1,1-DCA	1,1,1-TCA	1,1,2-TCA
SP1	33	11/1/2011	<10	2,324	21	<10	<10	<10	13.9	<10	<10	<10	<10	<10
SP2	20.5	11/1/2011	14	168	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0
	37.5	11/1/2011	4.0	891	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0
SP5	10	11/2/2011	8.0	2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	15		15	9.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	20		9.0	4.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	25		39	8.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	30		6.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	35		<2.0	129.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
	40		<2.0	7.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
45	<2.0	41.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
B1	3	11/4/1992	<RL	62	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
B2	3	11/4/1992	20	900	<RL	<RL	50	<RL	-	50	<RL	<RL	74	<RL
B3	3	11/4/1992	51	1,200	<RL	<RL	45	<RL	-	<RL	<RL	<RL	100	<RL
B4	3	11/4/1992	<RL	5.0	12	<RL	<RL	<RL	-	<RL	<RL	<RL	43	<RL
B5	3	11/4/1992	<RL	4.0	6.0	<RL	<RL	<RL	-	<RL	<RL	<RL	8.0	<RL
B6	3	11/4/1992	5.0	26	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	4.0	<RL
B7	3	11/4/1992	<RL	26	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
B8	3	11/4/1992	700	17	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
B3A	4	11/30/1994	NA	360	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
	9		12	520	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	14	<RL
	14		42	1,700	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
	19		NA	850	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
B8A	3.5	11/30/1994	510	<RL	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
	8.5		590	11	<RL	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL
	11.5		<RL	30	<RL	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL
MW1	20	1/18/1995	<RL	2,600	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL	<RL
	30		<RL	800	<RL	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL
	40		<RL	69	23	<RL	<RL	<RL	<RL	-	<RL	<RL	<RL	<RL
HA1	7.4	6/30/1998	<5.0	1,000	9.4	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	9.4
HA2	9	6/30/1998	<5.0	14	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0
HA3	10.5	6/30/1998	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0
HA4	4	6/30/1998	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0
	8		<5.0	17	18	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	5.7
HA5	4.5	6/30/1998	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0

TABLE 1 (CONTINUED)
HISTORICAL SUMMARY OF SOIL SAMPLE RESULTS
RESULTS IN MICROGRAMS PER KILOGRAM (µg/kg)

FORMER DICEON ELECTRONICS
2215 S. STANDARD AVENUE
SANTA ANA, CALIFORNIA

Well ID	Depth Sampled (feet below ground surface)	Date Sampled	PCE	TCE	1,1-DCE	1,2-DCE	CIS 1,2-DCE	trans-1,2-DCE	1,4-Dioxane	cis-1,3-DCP	1,2-DCA	1,1-DCA	1,1,1-TCA	1,1,2-TCA
HA6	4	6/30/1998	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0
	8.3		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0
HA7	4	6/30/1998	200	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0
	6.45		74	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0
HA8	4	6/30/1998	<5.0	100	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0
	5.5		<5.0	79	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0
B1	5	6/8/1999	<3.0	25	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	10		<3.0	130	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	15		<3.0	44	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	20		<3.0	57	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	25	6/8/1999	<3.0	38	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	30		<3.0	53	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	35		<3.0	44	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	40		<3.0	3.4	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
B2	5	6/8/1999	13	1,100	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	10		<3.0	130	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	15		<3.0	600	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	20		<3.0	1,100	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	25		<3.0	850	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	30		<3.0	1,100	7.5	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	35		4.6	600	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
40	<3.0	130	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0		
B3	5	6/8/1999	<3.0	77	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	10		<3.0	73	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	15		<3.0	73	4.5	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	20		<3.0	600	19	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	25		<3.0	1,000	34	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	30		20	3,600	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	35		<3.0	190	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
40	<3.0	29	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0		
B4	5	6/8/1999	<3.0	68	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	10		<3.0	68	10	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	15		<3.0	750	6.2	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	20		<3.0	300	10	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	25		<3.0	3.0	38	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 1 (CONTINUED)
HISTORICAL SUMMARY OF SOIL SAMPLE RESULTS
RESULTS IN MICROGRAMS PER KILOGRAM (µg/kg)

FORMER DICEON ELECTRONICS
2215 S. STANDARD AVENUE
SANTA ANA, CALIFORNIA

Well ID	Depth Sampled (feet below ground surface)	Date Sampled	PCE	TCE	1,1-DCE	1,2-DCE	CIS 1,2-DCE	trans-1,2-DCE	1,4-Dioxane	cis-1,3-DCP	1,2-DCA	1,1-DCA	1,1,1-TCA	1,1,2-TCA	
B4 (cont'd)	30	6/8/1999	<3.0	130	30	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	35		<3.0	25	32	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	40		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
B5	5	6/8/1999	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	10		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	15		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	20		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	25		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	30		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
	35		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0
40	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0		
B6	5	6/8/1999	4.3	34	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	10		4.5	29	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	15		18	350	6.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	20		7.2	220	3.6	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	25		8.0	120	7.9	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	30		<3.0	47	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	35		<3.0	38	44	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
40	<3.0	4.3	4.8	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0		
B7	5	6/8/1999	<3.0	5.9	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	10		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	15		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	20		<3.0	23	5.1	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	25		<3.0	33	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	30		<3.0	30	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
	35		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	
40	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0		
MW3A	5	2/20/2002	<2.0	19	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	10		<2.0	110	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	15		<2.0	220	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	20		<2.0	140	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	25		<2.0	22	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	30		<2.0	50	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	35		<2.0	130	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
	40		<2.0	17	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	
45	<2.0	17	<5.0	<2.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0		

TABLE 1 (CONTINUED)
 HISTORICAL SUMMARY OF SOIL SAMPLE RESULTS
 RESULTS IN MICROGRAMS PER KILOGRAM ($\mu\text{g}/\text{kg}$)

FORMER DICEON ELECTRONICS
 2215 S. STANDARD AVENUE
 SANTA ANA, CALIFORNIA

Well ID	Depth Sampled (feet below ground surface)	Date Sampled	PCE	TCE	1,1-DCE	1,2-DCE	CIS 1,2-DCE	trans-1,2-DCE	1,4-Dioxane	cis-1,3-DCP	1,2-DCA	1,1-DCA	1,1,1-TCA	1,1,2-TCA
MW4A	5	2/21/2002	<2.0	90	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	10		<2.0	110	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	15		<2.0	99	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	20		<2.0	200	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	25		<200	2,400	<500	<200	<200	<200	--	<200	<200	<200	<200	<200
	30		<2.0	69	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	35		<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	40		<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	45		<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
MW5A	5	2/22/2002	60	400	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	10		33	470	<25	<10	16	<10	--	<10	<10	<10	<10	<10
	15		41	1,100	<25	<10	32	<10	--	<10	<10	<10	<10	<10
	20		<20	1,300	<50	<20	<20	<20	--	<20	<20	<20	<20	<20
	25		95	1,500	<50	<20	<20	<20	--	<20	<20	<20	<20	<20
	30		8.0	350	<5.0	<2.0	6.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	35		<10	760	<25	<10	<10	<10	--	<10	<10	<10	<10	<10
	40		3.0	280	9.0	<2.0	3.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0
	45		<2.0	43	<5.0	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0

NOTES:

- (1) <RL/<### = Less than Reporting Limit (Reporting Limit = Dilution Factor x Detection Limit)
- (2) PCE = Tetrachloroethene
- (3) TCE = Trichloroethene
- (4) 1,1-DCE = 1,1-Dichloroethane
- (5) 1,2-DCE = 1,2-Dichloroethane
- (6) Cis 1,2-DCE = cis-1,2-Dichloroethene
- (7) trans-1,2-DCE = trans-1,2-Dichloroethene
- (8) Cis 1,3-DCP = cis-1,3-Dichloropropene

- (9) 1,2-DCA = 1,2-Dichloroethane
- (10) 1,1-DCA = 1,1-Dichloroethane
- (11) 1,1,2-TCFA = 1,1,2-Trichlorofluoroethane
- (12) 1,1-TCA = 1,1,1-Trichloroethane
- (13) 1,1,2-TCA = 1,1,2-Trichloroethane
- (14) $\mu\text{g}/\text{kg}$ = Micrograms per kilograms
- (15) A: Screen set at shallow depth zone
- (16) B: Screen set at deep depth zone

- (17) -- = Not Analyzed

TABLE 2 (CONTINUED)
HISTORICAL SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
RESULTS IN MICROGRAMS PER LITER (µg/L)

FORMER DICRON ELECTRONICS
2215 S. STANDARD AVENUE
SANTA ANA, CALIFORNIA

Well ID	Date Sampled	PCE	TCE	1,1-DCE	CIS 1,2-DCE	1,4-Dioxane	trans-1,2-DCE	1,2-DCA	1,1-DCA	1,1,2-TCFA	1,1,2-TCA	Hexavalent Chromium	Perchlorate
MW5-A (cont'd)	5/19/2010	291	9,060	<250	238	42	<250	<250	<250	<250	<250	--	--
	9/30/2010	164	4,950	<2500	222	66.1	<250	<250	<250	<250	<250	--	--
	4/14/2011	2,319.90	32,543.9	19.4	526.2	16	<10	<10	<10	--	<10	--	--
	9/28/2011	1,037.4	21,168.2	37.5	449.7	71.8	<10	<10	<10	<10	<10	--	--
MW5-B	3/7/2002	130	22,000	780	100	--	4.0	<2.0	<5.0	--	10	--	--
	5/9/2002	37,000	12,000	140	200	--	<1000	<1000	<1000	--	<1000	--	--
	7/6/2006	64	13,061	137	53	--	<1.0	<1.0	<1.0	--	<1.0	--	--
	4/28/2008	107	8,388	296	127	--	<1.0	<1.0	<1.0	--	<1.0	--	--
	7/25/2008	<1.0	139	<1.0	3.0	--	<1.0	<1.0	<1.0	--	<1.0	--	--
	7/20/2009	148	113,000	234	112	--	<5.0	<5.0	9.5	15	<5.0	--	--
	10/30/2009	<500	17,600	290	130	--	<500	<500	<500	<500	<500	--	--
	2/24/2010	261	18,600	245	132	--	<500	<500	<500	<500	<500	--	--
	5/19/2010	330	19,700	148	126	95	<500	<500	<500	<500	<500	--	--
	9/30/2010	243	30,600	363	145	136	<500	<500	<500	<500	<500	--	--
4/14/2011	4,814.6	222,106.7	1,103.1	300.0	172	<25	<25	<25	--	<25	--	--	
9/28/2011	3,220.1	135,189	791.1	254.4	232.8	<50	<50	<50	<50	<50	--	--	
MW6-A	5/19/2010	<5.0	<5.0	<5.0	<5.0	1.9	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	9/30/2010	<5.0	<5.0	<5.0	<5.0	1.8	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	4/14/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	9/28/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
MW6-B	5/19/2010	<5.0	<5.0	<5.0	<5.0	23	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	9/30/2010	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	4/14/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
	9/28/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

NOTES:

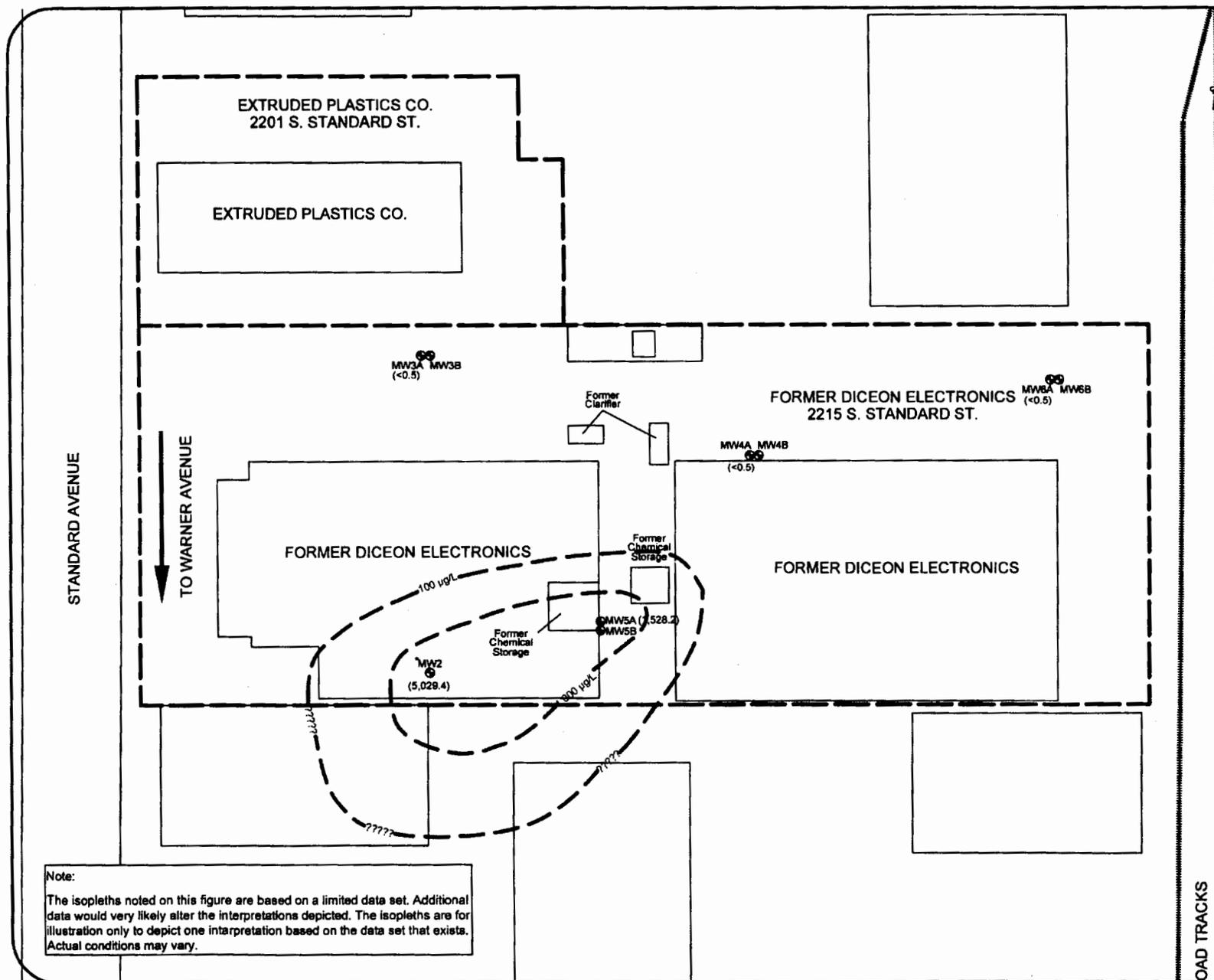
- (1) <RL/<### = Less than Reporting Limit (Reporting Limit = Dilution Factor x Detection Limit)
- (2) PCE = Tetrachloroethene
- (3) TCE = Trichloroethene
- (4) 1,1-DCE = 1,1-Dichloroethane
- (5) Cis 1,2-DCE = cis-1,2-Dichloroethene
- (6) trans-1,2-DCE = trans-1,2-Dichloroethene
- (7) 1,2-DCA = 1,2-Dichloroethane
- (8) 1,1-DCA = 1,1-Dichloroethane

- (9) 1,1,2-TCFA = 1,1,2-Trichlorofluoroethane
- (10) 1,1,2-TCA = 1,1,2-Trichloroethane
- (11) µg/L = Micrograms per liter
- (12) A: Screen set at shallow depth zone
- (13) B: Screen set at deep depth zone
- (14) MW2 screen is set at both shallow and deep depth zones, (Zone A & B).
- (15) 1,4-Dioxane analyzed by EPA M8270M prior to 4/14/11
- (16) 1,4-Dioxane analyzed by EPA M8270C SIM on 4/14/11

- (17) -- = Not Analyzed
- (18) * = Sample SP1-H₂O-60' was compromised by potential cross-contamination from upper groundwater zone. Therefore, results are invalid. Sample SP1R-H₂O-60' replaces SP1-H₂O-60'.

Enclosure 2

**Quarterly Groundwater Monitoring & Status Report – 3RD Quarter 2013
Figures 4A, 4B, 5A, and 5B**



Note:
 The isopleths noted on this figure are based on a limited data set. Additional data would very likely alter the interpretations depicted. The isopleths are for illustration only to depict one interpretation based on the data set that exists. Actual conditions may vary.

General Notes

- Shallow Groundwater Monitoring Well Location
- Deep Groundwater Monitoring Well Location
- Groundwater Monitoring Well Location (Screened at Shallow and Deep Zone)
- Dicon Electronics
- Extruded Plastics Company
- Groundwater PCE Concentration - Micrograms per Liter (µg/L)
- Groundwater PCE Concentration Contour - Micrograms per Liter (µg/L)

Project Details

Name: Former Dicon Electronics Facility
 Address: 2215 South Standard Ave. Santa Ana, CA
 Number: 7562

Figure Details

SITE PLAN WITH GROUNDWATER PCE CONCENTRATION CONTOUR (ZONE A)

Figure #: Figure 4A
 Revise Date: August 2013

Scale: 1" = 50'
 Approximate Scale

Company Information

Address: 520 West 5th Street, Tustin, CA 92780
 Telephone: (714) 750-3597
 Fax: (714) 750-6476

STANDARD AVENUE

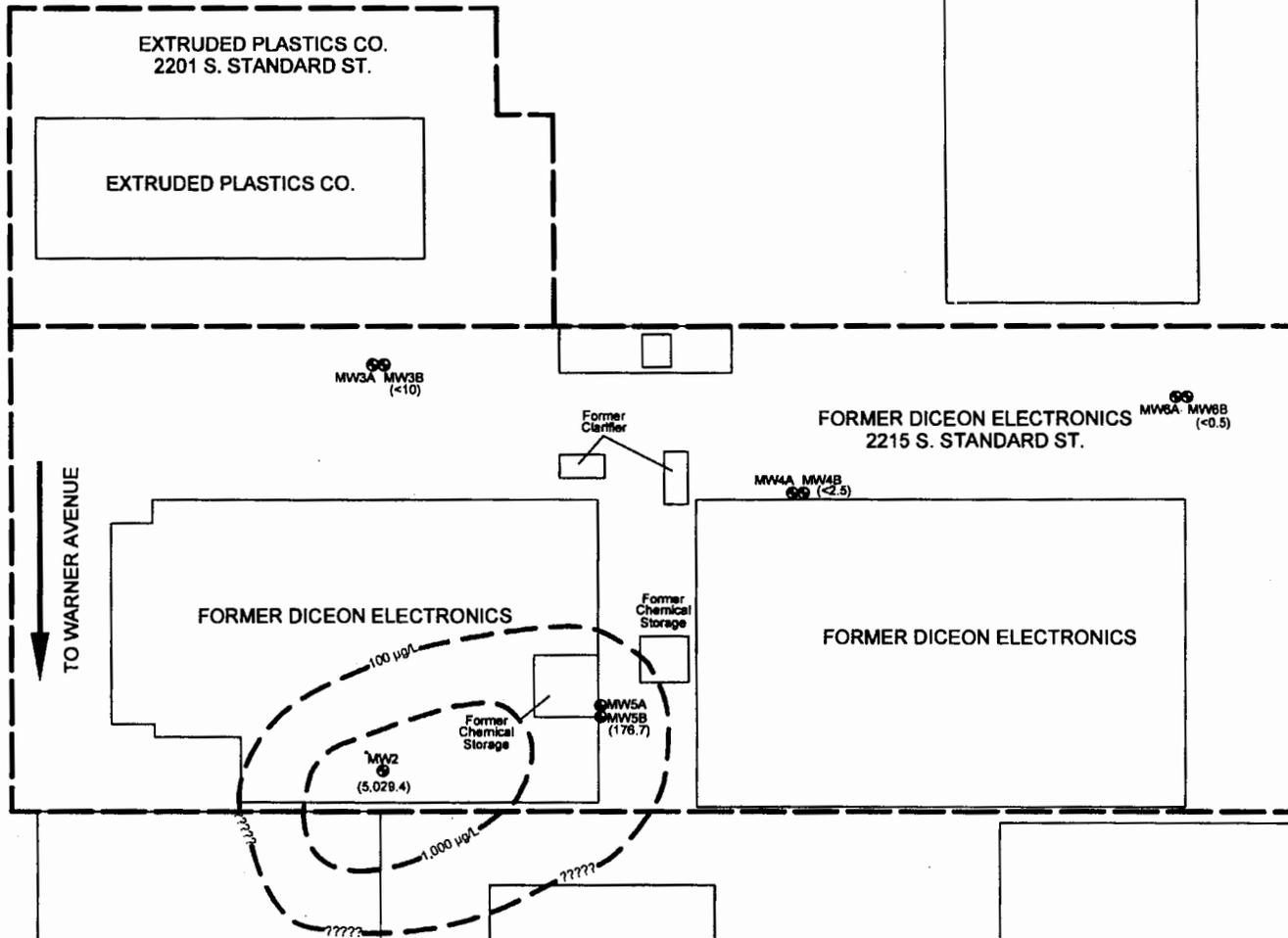
TO WARNER AVENUE

NORTH

ROAD TRACKS

STANDARD AVENUE

TO WARNER AVENUE



Note:

The isopleths noted on this figure are based on a limited data set. Additional data would very likely alter the interpretations depicted. The isopleths are for illustration only to depict one interpretation based on the data set that exists. Actual conditions may vary.

General Notes

- MW3A - Shallow Groundwater Monitoring Well Location
- MW2/MW3B - Deep Groundwater Monitoring Well Location
- MW2 - Groundwater Monitoring Well Location (Screened at Shallow and Deep (one))
- Diagon Electronics
- Extruded Plastics Company
- (<0.5) - Groundwater PCE Concentration in Micrograms per Liter ($\mu\text{g/L}$)
- - - - - Groundwater PCE Concentration Contour in Micrograms per Liter ($\mu\text{g/L}$)

Project Details

Name: Former Dicon Electronics Facility

Address: 2215 South Standard Ave. Santa Ana, CA

Number: 7562

Figure Details

SITE PLAN WITH GROUNDWATER PCE CONCENTRATION CONTOUR (ZONE B)

Figure #: Figure 4B

Revise Date: August 2013

0' 50' Scale 1" = 50'

Approximate Scale

Company Information

Address: 520 West 1st Street Tustin, CA 92780

Telephone: (714) 730-5397

Fax: (714) 730-6476

TRACKS

STANDARD AVENUE

TO WARNER AVENUE

NORTH

TRACKS

EXTRUDED PLASTICS CO.
2201 S. STANDARD ST.

EXTRUDED PLASTICS CO.

MW3A MW3B
(133.9)

100 µg/L

Former Clarifier

FORMER DICEON ELECTRONICS
2215 S. STANDARD ST.

MW6A MW6B
(40.5)

MW4A MW4B
(230.2)

FORMER DICEON ELECTRONICS

FORMER DICEON ELECTRONICS

Former Chemical Storage

10,000 µg/L

Former Chemical Storage

MW5A MW5B
(43,656.3)

MW2
(680.5)

100 µg/L

Note:

The isopleths noted on this figure are based on a limited data set. Additional data would very likely alter the interpretations depicted. The isopleths are for illustration only to depict one interpretation based on the data set that exists. Actual conditions may vary.

General Notes

-  MW6A - Shallow Groundwater Monitoring Well Location
-  MW2/MW6B - Deep Groundwater Monitoring Well Location
-  MW2 - Groundwater Monitoring Well Locator (Shown as Shallow and Deep Wells)
-  - Dicon Electronics
-  - Extruded Plastics Company
-  (-0.5) - Groundwater TCE Concentration in Micrograms per Liter (µg/L)
-  - Groundwater TCE Concentration Contour in Micrograms per Liter (µg/L)

Project Details

Name	Former Dicon Electronics Facility
Address	2215 South Standard Ave. Santa Ana, CA
Number	7362

Figure Details

SITE PLAN WITH GROUNDWATER TCE CONCENTRATION CONTOUR (ZONE A)	
Figure #	Figure 5A
Review Date	August 2013
0' 90' Scale	1" = 50'
Approximate Scale	

Company Information

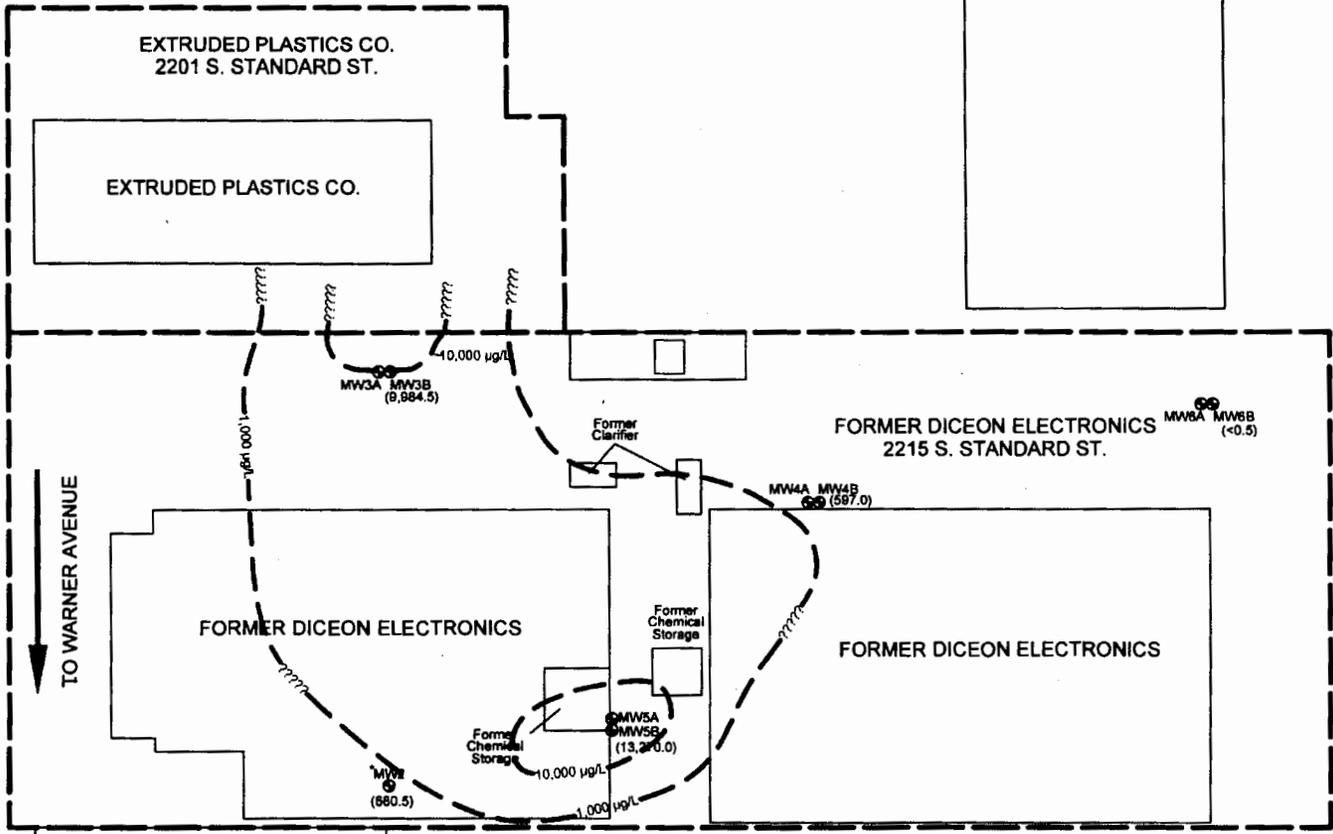
Address	520 West 1st Street Tustin, CA 92780	 <p>THE REYNOLDS GROUP ENVIRONMENTAL SERVICES</p>
Telephone	(714) 730-9397	
Fax	(714) 730-6476	

STANDARD AVENUE

TO WARNER AVENUE

NORTH

TRACKS



Note:
 The isopleths noted on this figure are based on a limited data set. Additional data would very likely alter the interpretations depicted. The isopleths are for illustration only to depict one interpretation based on the data set that exists. Actual conditions may vary.

General Notes

- MW3A - Shallow Groundwater Monitoring Well Location
- MW3B - Shallow Groundwater Monitoring Well Location
- MW2 - Groundwater Monitoring Well Location (Screened at Shallow and Deep Zone)
- MW4A, MW4B - Dicon Electronics
- MW5A, MW5B - Extruded Plastics Company
- (100) - Groundwater TCE Concentration in Micrograms per Liter (µg/L)
- (10,000) - Groundwater TCE Concentration Contour in Micrograms per Liter (µg/L)

Project Details

Name: Former Dicon Electronics Facility

Address: 2215 South Standard Ave. Santa Ana, CA

Number: 7362

Figure Details

SITE PLAN WITH GROUNDWATER TCE CONCENTRATION CONTOUR (ZONE B)

Figure #: Figure 5B

Revise Date: August 2013

Scale: 1" = 50'

Approximate Scale

Company Information

Address: 520 West 1st Street, Santa Ana, CA 92780

Telephone: (714) 750-5397

Fax: (714) 750-6476

Enclosure 3

**Map for the OCWD's South Basin Groundwater Protection Project –
Central**

SAM-CRT81					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
29	ND<0.32	ND<0.26	0.68	3.3	nt
46	ND<0.32	1.3	ND<0.42	0.21	1.0
62	ND<0.32	1.3	ND<0.42	2.3	7.5
106	ND<0.32	ND<0.26	ND<0.42	0.10 J	ND<0.25

81

EXTRUDED PLASTICS

SAM-CRT87					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
31	ND<0.32	6.3	ND<0.42	1.2	1.8
49	0.80	2.1	4.0	3.0	6.0
58	1.1		17	5.8	7.6
63	3.2		23		7.1

88A

SAM-CRT88A					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
45	20		44		11
53	12		31		nt
65	16		43		7.7
77	ND<0.32	0.69	ND<0.42	0.73	nt

86

87

SAM-CRT86					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
31	ND<0.32	ND<0.26	ND<0.42	1.9	ND<0.25
49	ND<0.32	1.6	ND<0.42	0.60	6.1
57	ND<0.32	3.1	0.44 J	1.2	6.6
67	ND<0.32	ND<0.26	0.96	1.5	6.6

DICEON

4

SAM-CRT84					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
33	ND<0.5	ND<0.5	ND<0.5	ND<1	<2.5
60	ND<0.5	11.1	0.8	2.3	5.3
100	ND<0.5	ND<0.5	ND<0.5	ND<1	<2.5
128	ND<0.5	ND<0.5	ND<0.5	ND<1	<2.5

85

SAM-CRT85					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
35	0.75	13	6.9	3.6 *	ND<0.25
50	19				4.8
75	ND<0.32	ND<0.26	ND<0.42	3.8 *	3.3
99.5	ND<0.32	ND<0.26	ND<0.42	ND<0.057 *	2.9

84

SAM-CRT84					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
29	2.1		2.9	3.9	nt
49	7.1		27		7.1
61	9.2		32		8.3
96	ND<0.32	1.7	ND<0.42	0.61	ND<0.25

83

SAM-CRT83					
Depth (ft)	PCE	TCE	11DCE	14DIOX	CLO4
50	ND<0.32	40	5.0	4.2	6.9
64	ND<0.32	18	8.7	5.2	nt

Depth (ft)
48
61
71
113

209

SAM-CRT83		
Depth (ft)	PCE	TCE
30	ND<0.32	ND<0.26
41	1.6	4.6
51	11	43
61	0.82	12
73	ND<0.32	0.72

208

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 or P.O. **Santa Ana, Ca. 92707**
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