Ro. 288

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THE SUTTON GROUP

SOILS, FOUNDATIONS, DRAINAGE, SLOPES, CONTAINMENTS
CIVIL, GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

3708 Mount Diablo Blvd
Suite 215
Lafayette, CA, 94549

February 23, 2004

Mr. Michael Cortez
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, 94580

Results of Quarterly Sampling of Ground Water Monitoring Wells
Sites of Former Gasoline and Diesel Tanks
2600 Grant Ave., San Lorenzo, CA
OLSD PO No. 4911, LOP Site No. RO0000288 ST ID 1996

Dear Mr. Cortez:

We attach results for the most recent round of quarterly sampling of the ground water monitoring wells, conducted on January 23, 2004. This is the 6th quarterly sampling of the two additional wells installed last October in the parking lot west of the District's Engineering Building. In accordance with the approved work scope, monitoring wells Nos. MW- 1, 2, 4 and 5 were sampled and groundwater depths in all 5 monitoring wells in this area were measured in this round. The monitoring well at the location of the former diesel tank was also sampled.

This work has been performed in accordance with the Work Plan that was approved by Alameda County Health Care Agency's Environmental Protection Division (ACEP) in their letter dated August 27, 2002. The sampling program was in accordance with the request of ACEP's April 18, 2003 letter.

Figure 1 is a plan of the District's facilities at the foot of Grant Avenue in San Lorenzo that shows the relative locations of the former gasoline and diesel tanks to the sewage treatment plant and the District's offices. Figure 2 is a plan of the Service Center area, which was the site of the former gasoline tank.

Sampling Results

Gasoline Tank Area

On January 23, 2004, ground water depths were measured in all 5 monitoring wells near the Engineering Building. Conditions of the wellheads appeared to have not changed from the previous sampling. All five wells were sounded for groundwater depth and then wells, MW-2, 4, and 5 were purged of three well volumes. Recovery was slow in MW-1 and only 2 gallons (about 1½ well volumes) was purged. After

purging, the samples were collected using dedicated bailers and laboratory-supplied glass containers.

The attached Table 1 summarizes the ground water elevation data collected in the gasoline tank area over the past year. The gradient direction, shown on Figure 2, was estimated after calculating the individual gradients for triplets of three wells, and then considering the relative groundwater elevations in relation to the influence of the gravel-filled trenches that bound the site, and act as groundwater sinks. The three wells upgradient of the Grant Avenue boundary indicate a flat-topped groundwater mound, while the net gradient of all five wells is towards Grant Avenue (southeast). Water levels in wells MW-1 and 2 in Grant Avenue, several feet lower than those in the tank area, indicate the strong influence of the gravel filled barrier trenches that parallel the Grant Avenue boundary, and separates these wells from those on the site. Since 1997 both this firm and RWQCB Region 2 have been propounding that this trench acts as a interceptor of groundwater, controlling its gradient. On this basis, onsite gradients towards the trench would be much steeper than indicated by the measurements. It is of note that the groundwater elevations and gradients approximate those of January last year.

MW-1, 2, 4 and 5 were each sampled and analyzed for gasoline, BTEX and MTBE using standard EPA test methods 8015 and 8021 The sample from the diesel tank well is the 4th quarter of sampling during which the range of readings has been 71 to 90 µg/l. The range of readings indicates an extremely low presence of diesel, only 20% of the reading made in 1995.

Table 2 is a summary of the results of the current round of analytical results for petroleum hydrocarbons. Note that analysis was by method 8021 this sampling, the more precise results of the previously used method 8260 being unwarranted. Table 2A is a compilation of all test results for gasoline-related hydrocarbons in the gasoline tank area since well sampling began in 1999. The laboratory report is appended, as are sampling event field sheets.

Diesel Tank Area

The monitoring well at the location of the former diesel tank was also sampled. This well was installed and first sampled in December, 1993. The ground water depth was 2.10 feet below the rim, a rise of 2.7 feet in the quarter. There was standing water inside the well cover. The source of the water is unknown but the low-lying area is assumed to have flooded during the recent rains. This well area is influenced by operation of a stormwater pump well some 50 feet away. The monitoring well location is shown on Figure 1.

The well was purged and sampled, and analyzed for TPH as diesel and BTEX. The presence of 71 µg/l was over 20 percent less than the reading last quarter (87µg/l) and substantially less than the highest reading of 380 µg/l in 1995. Historically, the well has no detection of BTEX. Table 3 is a tabulation of historic sample results for this well.

Conclusions and Future Sampling

The elevated gasoline levels in the wells in the former gasoline tank area is lokely due to the elevated groundwater levels. However, the gradients continue to indicate that the contamination is contained on the Districts property by the barrier trenches. The wells beyond the barrier continue to show no detection of gasoline or BTEX.

The sample from the diesel tank well is the 4th quarter of sampling during which the range of readings has been 71 to 90 µg/l. The range of readings indicates an extremely low presence of diesel, only 20% of the reading made in 1995.

The next scheduled sampling of wells is scheduled for April 2004.

We appreciate the opportunity to be of continued service to The District. Please call me if you have questions or if I can assist you in any other way.

Yours truly,

THE SUTTON GROUP

REGISTERED PROFESSIONAL ENGINEER
JOHN R. SUTTON
LIC. No. 40324
EXP. 12/31/06
CIVIL
STATE OF CALIFORNIA

John R. Sutton, PE
Geotechnical Engineer
License valid through 12/31/2006

Attachments:

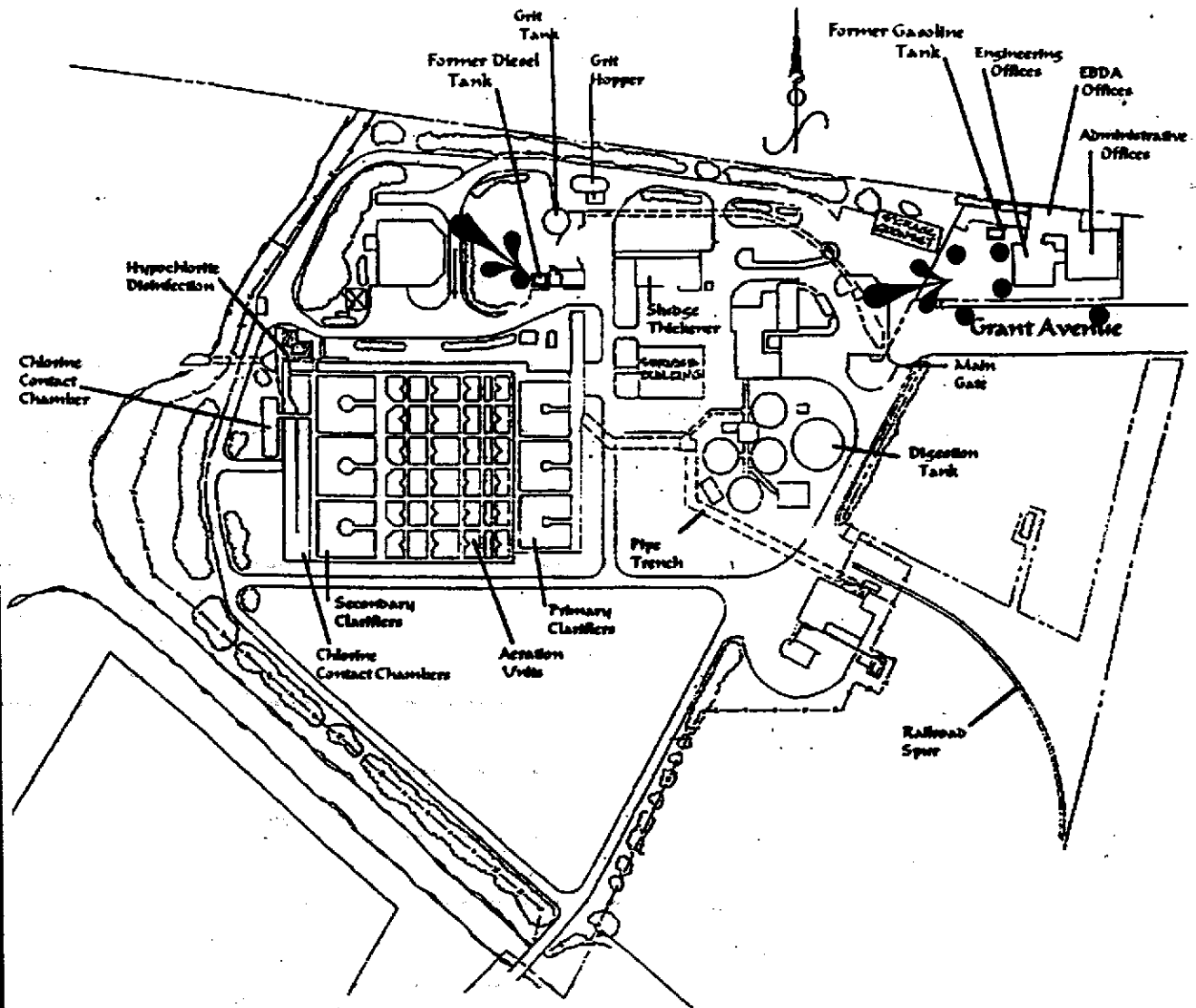
Figure 1	Site Plan
Figure 2	Well Location Plan, Former Gasoline Tank Area
Table 1	Ground Water Elevations, Former Gasoline Tank Area
Table 2	Summary of Current Water Sample Analyses, Gas Tank Area
Table 2A	Cumulative Summary of Water Sample Analyses, Gas Tank Area
Table 3	Summary of Water Sample Analyses, Former Diesel Tank Area

Analytical Laboratory Reports

Field sampling reports

Two Copies Sent

One copy sent to Ms. Eva Chu at Alameda County Health Dept.



SITE PLAN

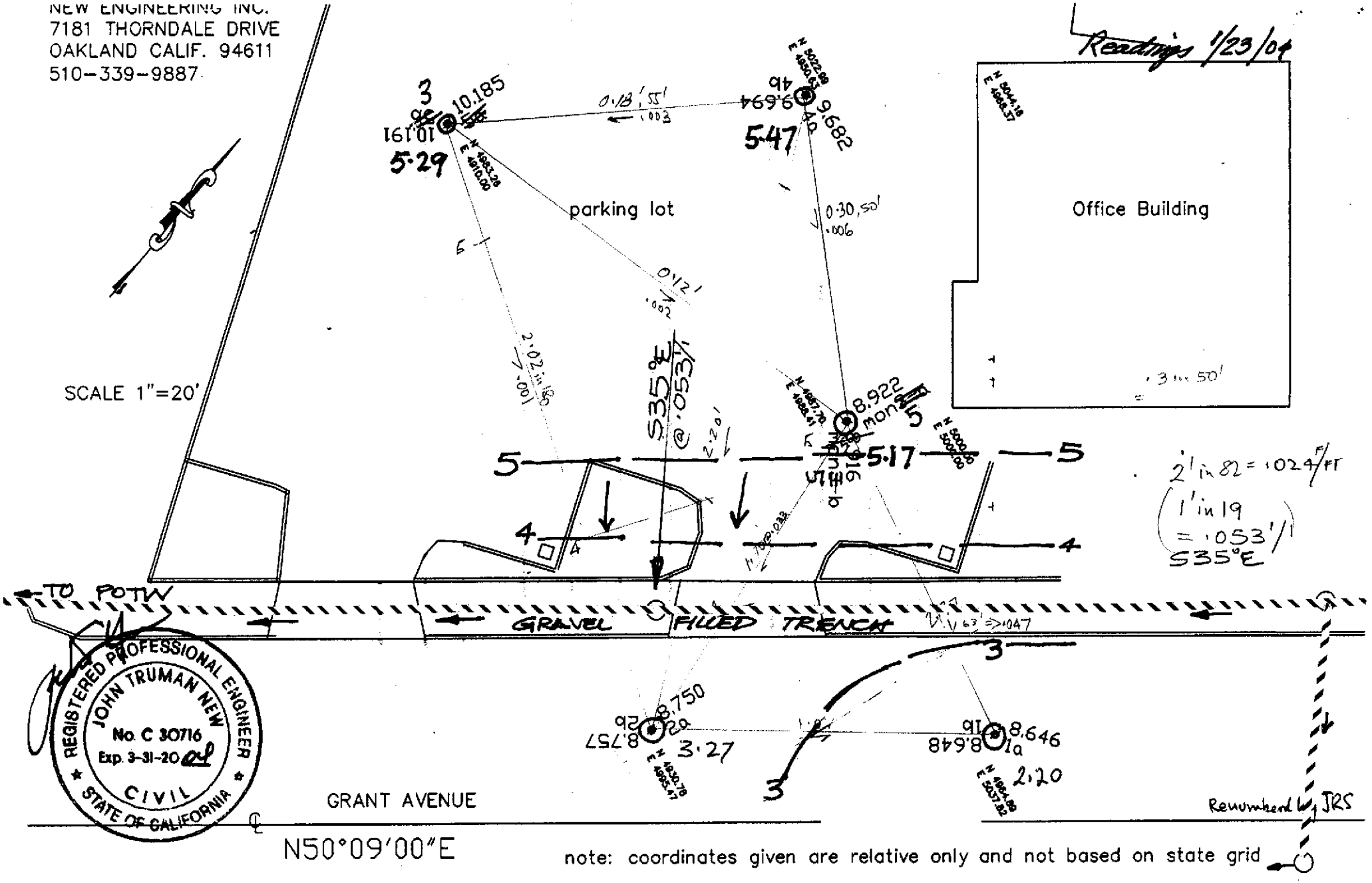
● Monitoring Well Location

SCALE 1 IN. TO 250 FEET, APPROX

THE SUTTON GROUP. *3708 Mount Diablo Blvd, Ste 215* *Lafayette, CA, 94549* *925 284-4208*	**SITE PLAN** **ORO LOMA SANITARY DISTRICT** **San Lorenzo, California**	*PROJECT No3022.10* ***FIGURE 1*** *5/21/03*

NEW ENGINEERING INC.
7181 THORNDALE DRIVE
OAKLAND CALIF. 94611
510-339-9887

Readings 1/23/04



REGISTERED PROFESSIONAL ENGINEER
JOHN TRUMAN NEW
No. C 30716
Exp. 3-31-20
CIVIL
STATE OF CALIFORNIA

note: coordinates given are relative only and not based on state grid

ORO LOMA SANITARY DISTRICT

2600 GRANT AVENUE

SAN LORENZO, CA

- monitoring wells (typical of 5)

note: two elevations are given at each well rim.

6th Quarterly Reading Jan. 04

TABLE 1

GROUND WATER ELEVATIONS

All measurements are in feet

Monitoring Well ID	*Well Cover Rim Elevation**	*Initial Sampling 10/21/02*	*2nd Quarterly 1/28/03*	*3rd Quarterly 4/28/03*	*4th Quarterly 7/25/03*	*5th Quarterly 10/30/03*	*6th Quarterly 1/23/04*	
		G Water Elev'n.	*G Water Elev'n..*	*G Water Elev'n.*	*G Water Elev'n*	*G Water Elev'n*	*G Water Depth / Elev'n.*	*Change Since Prev. Reading*
MW 1	8.65	1.72	2.23	Not Measured	0.45	1.82	**6.45 / 2.20**	+ .38'
MW 2	8.75	2.04	2.65	3.18	2.35	2.75	**5.48 / 3.27**	+ .52'
MW 3	10.19	3.21	4.94	Not Measured	3.44	3.61	**4.90 / 5.27**	+ 1.66'
MW 4	9.68	3.58	5.35	5.80	3.58	4.18	**4.21 / 5.47**	+ 1.29'
MW 5	8.92	2.84	4.42	5.20	3.52	4.09	**3.75 / 5.17**	+ 1.08'
Gradient, Direction		S21°E @ .016 ft/ft	S23°E @ .033 ft/ft	S22½°W @ .042 ft/ft	S18°W @ .027 ft/ft	S26°E @ .014 ft/ft	**S35°E @ .053 ft/ft**	

* Basis of elevations, Alameda County bench mark "Grant –Phil" at intersection of Grant Avenue and Phil Drive.

Elevation = 2.175meters, msl = 7.136 feet.

TABLE 2

SUMMARY OF GROUND WATER SAMPLE ANALYSES

Samples Collected on October 30, 2003

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

EPA METHOD 8015Cm /8021
results in µg/l (ppb)

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MW-1	1/23/04	ND	ND	ND	ND	ND	ND
MW-2	1/23/04	ND	ND	ND	ND	ND	ND
MW-4	1/23/04	100,000	16,000	10,000	1,100	19,000	ND < 1,200
MW-5	1/23/04	97,000	18,000	20,000	ND<120	7,900	ND < 1,200
MW-D 1	1/23/04	DIESEL: 71	ND	ND	ND	ND	NA
REPORTING LIMITS FOR DF=1		50	0.5	0.5	0.5	0.5	0.5

NOTES: Samples MW-1, 2, and MW-D1 were analyzed without dilution. Samples from MW-4 and 5 were analyzed at a dilution factor of 250.
ND Analyte not detected at stated reporting limit
N/A Not analyzed

TABLE 2A

CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BTEX AND MTBE

results in µg/l (ppb)

Sample Location	*Sample Date*	*Gasoline*	*Benzene*	*Toluene*	*Ethyl Benzene*	*Xylenes (total)*	*MTBE*
MW-1	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND
DUP	11/23/99	ND	ND	ND	ND	ND	ND
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	ND
	10/30/03	N/A					
	1/23/04	ND	ND	ND	ND	ND	ND
MW-2	2/19/99	ND	ND	ND	ND	ND	ND
	5/10/99	ND	ND	ND	ND	ND	ND
	8/30/99	N/A	ND	ND	ND	ND	ND
	11/23/99	ND	ND	ND	ND	ND	ND
	7/25/03	ND	ND	ND	ND	ND	< 1
	10/30/03	N/A					
	1/23/04	ND	ND	ND	ND	ND	ND

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
MW-3	2/19/99	ND	ND	ND	ND	ND	1.5 [1]
DUP	2/19/99	ND	ND	ND	ND	ND	N/A
	5/10/99	ND	ND	ND	ND	ND	1.5 [2]
	8/30/99	N/A	ND	ND	ND	ND	ND
	11/23/99	ND	ND	[0.69] [3]	[0.58] [3]	[1.3] [3]	ND
	1/6/00	ND	ND	ND	ND	ND	3.1 [4]
DUP	1/6/00	ND	ND	ND	ND	ND	2.6 [4]
TRIP BLANK	2/10-22/99	ND	ND	ND	ND	ND	N/A
	5/8-20/99	N/A	N/A	N/A	N/A	N/A	N/A
	8/27-31/99	N/A	N/A	N/A	N/A	N/A	N/A
	7/25/03	ND	ND	ND	ND	ND	1.1
	10/30/03	N/A					
	1/23/04	N/A					
MW-4	10/21/2002	N/A	5,800	6,200	3,500	18,000	140
	1/28/03	N/A	7,200	3,500	2,700	15,000	130
	4/28/03	N/A	5,700	850	ND<120	10,000	200
	7/25/03	97,000	11,000	8,400	4,900	24,000	ND<250
	10/30/03	77,000	12,000	9,300	3,200	16,000	ND < 200

TABLE 2A, Continued
CUMULATIVE SUMMARY OF GROUND WATER SAMPLE ANALYSES

SAMPLE LOCATION	SAMPLE DATE	GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES (TOTAL)	MTBE
	1/23/04	100,000	16,000	10,000	1,100	19,000	ND < 1,200
MW-5	10/21/2002	65,000	12,000*	20,000*	1,600*	7,100*	ND<100
	1/28/03	N/A	9,100	6,600	720	4,000	ND<100
	4/28/03	N/A	12,000	8,300	ND<250	2,100	ND<250
	7/25/03	62,000	13,000	14,000	1,300	5,200	ND<250
	10/30/03	33,000	7,500	2,200	490	1,600	ND < 100
	1/23/04	97,000	18,000	20,000	ND<120	7,900	ND < 1,200

NOTES:

ND	Analyte not detected at stated reporting limit
N/A	Not analyzed
u/n	Unless noted otherwise (Reporting Limit)

1. Analyzed by EPA method 8260B, reporting limit was 1 µg/l.
2. Estimated value below method reporting limit of 2 µg/l.
3. Inconsistent contaminant pattern. Sample result spurious, re-sampled
4. Reporting limit at 2.5 µg/l.

TABLE 3

SUMMARY OF WATER SAMPLE ANALYSES:

FORMER DIESEL TANK AREA MONITORING WELL

TOTAL PETROLEUM HYDROCARBONS AS DIESEL,

EPA METHOD 8015C, 8021

RESULTS IN µg/L (ppb)

Sample Date	*TPH as DIESEL*	*BTEX*
1/23/04	**71**	**ND**
10/30/03	87	ND
7/25/03	90*	ND*
4/28/2003	87	ND
3/ 8/1996	340	ND
2/1/95	380	ND
6/15/94	170	ND
3/15/94	200	ND
12/1/93	300	ND

For reporting limits refer to laboratory certificates appended.

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3229.10; OLSD	Date Sampled: 01/23/04 Date Received: 01/23/04
	Client Contact: John Sutton	Date Reported: 01/29/04
	Client P.O.:	Date Completed: 01/29/04

WorkOrder: 0401274

January 29, 2004

Dear John:

Enclosed are:

1). the results of **5** analyzed samples from your **#3229.10; OLSD project,**

2). a copy of the chain of custody, and

3). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

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

The Sutton Group	Client Project ID: #3229.10; OLSD	Date Sampled: 01/23/04
3708 Mt. Diablo Blvd, Ste. 215		Date Received: 01/23/04
Lafayette, CA 94549	Client Contact: John Sutton	Date Extracted: 01/26/04-01/29/04
	Client P.O.:	Date Analyzed: 01/26/04-01/29/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0401274

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW1-0401	W	ND	ND	ND	ND	ND	ND	1	110
002A	MW2-0401	W	ND	ND	ND	ND	ND	ND	1	107
003A	MW4-0401	W	100,000,a	ND<1200	16,000	10,000	1100	19,000	250	118
004A	MW5-0401	W	97,000,a	ND<1200	18,000	20,000	ND<120	7900	250	110
005A	MWD1-0401	W	---	---	ND	ND	ND	ND	1	115
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

The Sutton Group 3708 Mt. Diablo Blvd, Ste. 215 Lafayette, CA 94549	Client Project ID: #3229.10; OLSD	Date Sampled: 01/23/04
		Date Received: 01/23/04
	Client Contact: John Sutton	Date Extracted: 01/23/04
	Client P.O.:	Date Analyzed: 01/24/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0401274

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0401274-005B	MWD1-0401	W	71,b	1	112

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401274

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10076 Spiked Sample ID: 0401268-005A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	89.1	87.8	1.52	86.3	87.7	1.68	70	130
MTBE	ND	10	96.6	95.1	1.61	103	102	0.670	70	130
Benzene	ND	10	93.6	101	7.55	99.2	95.1	4.24	70	130
Toluene	ND	10	97.2	105	7.22	103	98.5	4.38	70	130
Ethylbenzene	ND	10	98.4	106	7.01	104	99.8	3.72	70	130
Xylenes	ND	30	100	107	6.45	107	100	6.45	70	130
%SS:	101	10	106	110	4.20	108	107	0.847	70	130

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

NONE

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0401274

EPA Method: SW8015C	Extraction: SW3510C	BatchID: 10081	Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	99.1	99.8	0.647	70	130
%SS:	N/A	2500	N/A	N/A	N/A	97.9	97.7	0.300	70	130

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

NONE

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401274

Report to:
John Sutton
The Sutton Group
3708 Mt. Diablo Blvd, Ste. 215
Lafayette, CA 94549

TEL: 925-284-4208
FAX: 925-284-4189
ProjectNo: #3229.10; OLSD
PO:

Bill to:
Accounts Payable
The Sutton Group
3708 Mt. Diablo Blvd, Ste. 215
Lafayette, CA 94549

Requested TAT: 5 days

Date Received: 1/23/04
Date Printed: 1/23/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401274-001	MW1-0401	Water	1/23/04 2:40:00 PM	☐	A	A													
0401274-002	MW2-0401	Water	1/23/04 2:50:00 PM	☐	A														
0401274-003	MW4-0401	Water	1/23/04 3:25:00 PM	☐	A														
0401274-004	MW5-0401	Water	1/23/04 3:10:00 PM	☐	A														
0401274-005	MWD1-0401	Water	1/23/04 4:15:00 PM	☐	A		B												

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3	TPH(D)_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

705

0401274

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: JOHN SUTTON	Bill To:
Company: The SUTTON GROUP	
3708 MT DIABLO BLVD STE#215	
LAFAYETTE CA	E-Mail: johnrsutton@mindspring.com
Tele: (925) 284-4208 (94549)	Fax: (925) 284-4189
Project #: 3229.10	Project Name: OLSD
Project Location: GAS STATION TANKS	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
MW1-0401	MW1	1/23/04	270p	3	VOA	✓					✓	✓		
MW2-0401	MW2		250p	3	VOA	✓					✓	✓		
MW4-0401	MW4		325p	3	VOA	✓					✓	✓		
MW5-0401	MW5		310p	3	VOA	✓					✓	✓		
MWD1-0401	MW-D1		415	1	1L	✓					✓	—	✓	
				2	VOA	✓					✓	✓		

Analysis Request: BTEX & TPH as Gas (602/8020 + 8015)/MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (5520 E&F/B&F); Total Petroleum Hydrocarbons (418.1); EPA 601 / 8010 / 8021; BTEX ONLY (EPA 602 / 8020); EPA 608 / 8081; EPA 608 / 8082 PCB's ONLY; EPA 8140 / 8141; EPA 8150 / 8151; EPA 524.2 / 624 / 8260; EPA 525 / 625 / 8270; PAH's / PNA's by EPA 625 / 8270 / 8310; CAM-17 Metals (6010 / 6020); LUFT 5 Metals (6010 / 6020); Lead (200.8 / 200.9 / 6010)

Other

Comments: Filter Samples for Metals analysis: Yes / No

	Date:	Time:	Received By:
Relinquished By:	1/23/04	625p	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

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

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓		pH<2	

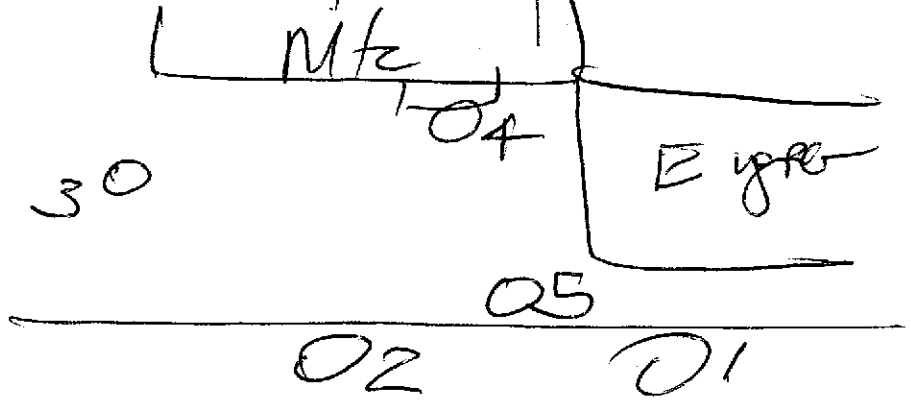
*Please circle water type:
GROUND WASTE DRINKING RECREATIONAL EFFLUENT

OLSD Fri 1/23/04

WATER LEVELS

	Depth from GW
MW-1	6.45'
MW-2	5.48'
MW-3	4.90'
MW-4	4.21'
MW-5	3.75'

1PM onsite
W Site 445pm



SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3229.10
Sampler Name	Sutton
Date of Sample Collection	1/23/04 Friday

Sample Number	~~OI230~~ MW1-0401
Sample Location	MW1 Grand Ave Outside Engg Bldg
Sample Media	Soil/ Water/ other
Site Conditions	P/C Wet breeze (Wet Fly)
Sample Collection Depth	Water @ 6.45' depth = el 2.20
Sample Container	VOA 40ml - 3
Intact or Disturbed Sample	
Sample Material Description	Yellowish, no solids, no odor
Collection Procedure	Purge ~~4~~ gal w/ dedicated bailer Poor Recharge only 2 gal collected Collect Sample
	Recov 45 mins, 3 VOAs collected Bubble wrap, Store on ice
Proposed Lab. Analysis	Gas BTEX MTBE

SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3229.10
Sampler Name	Surfan
Date of Sample Collection	1/23/04

Sample Number	MW2-0104
Sample Location	MW2
Sample Media	Soil/ Water/ other
Site Conditions	O/C breezy
Sample Collection Depth	Water @ 5.48' depth = el 3.27
Sample Container	3 x 40ml VOA 4 HCl
Intact or Disturbed Sample	
Sample Material Description	Blackish clouky, no odor
Collection Procedure	Bail 4.7 gal of collected Bailer Collect Sample Bubble wrap + stored on ice
Proposed Lab. Analysis	Gas BTEX MTBE

* Need to keep Bailer

SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3229.10
Sampler Name	Sutton
Date of Sample Collection	1/23/04 Friday

Sample Number	MW4-040123
Sample Location	MW4
Sample Media	Soil/ Water/ other
Site Conditions	PC 60's
Sample Collection Depth	Water @ 4.21' below rim = elev 5.47'
Sample Container	3X40ML VOA w/ HCl
Intact or Disturbed Sample	Jent sheen, water is cloudy
Sample Material Description	
Collection Procedure	Groundwater, some black sediment
	Gasoline Odor, Jent sheen
	Purge 5gal w/ dedicated Bailer
	Collect samples in 3 VOAs
	Bubble Wrap,
	Store on Ice
Proposed Lab. Analysis	Gas/BTEX MTBE

SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3229.10
Sampler Name	Sutton
Date of Sample Collection	1/23/04 ~~Friday~~ Friday

Sample Number	MW5-0401
Sample Location	MW5
Sample Media	Soil/Water/other
Site Conditions	PCloudy, breezy, 60s
Sample Collection Depth	Water level @ 3.75' = elev 5.17'
Sample Container	3x40ml VOA w/ HCl
Intact or Disturbed Sample	
Sample Material Description	Org/Sulfide odor, black sediment Faint petrol odor. Sample greenish w/o sediment
Collection Procedure	Purge 4 gal Collect sample w/ dedicated bailer
	Store on ice, Bubble wrap
Proposed Lab. Analysis	

SAMPLE COLLECTION LOG

Project Name	OCSD
Project Number	3289.10
Sampler Name	Sutton
Date of Sample Collection	1/23/04 FRIDAY @ 4:15pm

Sample Number	MWD1-0401
Sample Location	MW-D1
Sample Media	Soil/Water/Other
Site Conditions	Cloudy, Light breeze 60's
Sample Collection Depth	1.0
Sample Container	Liter Amber, 2x40ml VOAs w/ HCl
Intact or Disturbed Sample	Water @ 2.10ft depth from Wellhead. Cover Ran
Sample Material Description	Water Depth = 12.5'
	4"ϕ @ 0.65gal/ft = 7gal X 3 = 21gal purge
Collection Procedure	
Proposed Lab. Analysis	

Well Annulus had standing water to 6" below well ~~top~~ but water in well had slight sheen — is this influx?