

October 6, 2006
Report 0387.R2

Ms. Mirtha Ninayahuar
East Bay Municipal Utility District
375 11th Street
Oakland, CA 94607

RECEIVED

2:17 pm, Oct 20, 2008

Alameda County
Environmental Health



SUBJECT: WASTEWATER DISCHARGE TECHNICAL REPORT
2100-2150 Franklin Street
Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The site is presently being excavated for construction of a high-rise office building. In order to dewater the excavation and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006.

FIELD ACTIVITIES

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. According to Charles Pankow Builders, Ltd. (Pankow), from July 27 to July 30, 2006 one of the dewatering pumps was "down" which resulted in a low flow condition. Also, from August 17 through August 20, 2006, problems with the pump float and a shut valve resulted in a low flow condition. Operational changes and required monthly totalizer readings are summarized in Table 1. System influent samples were collected from a sample port between the settling tank and the pre-filter cartridges. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. Samples were collected on July 28, 2006 and August 31, 2006. Water samples were collected in one-liter amber bottles, 500-milliliter polyethylene bottles, and 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, CA. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium and nickel were detected at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

Updated contact information for RGA and Brandywine Realty Trust is attached per a request from Ms. Mirtha Ninayahuar.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit, with only minor slowdowns and stoppages due to maintenance issues associated with pumps and filters. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

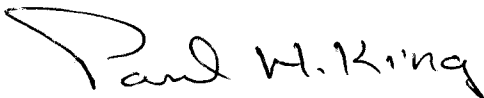
Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.



for Kenneth Pilgrim
Project Manager



Paul H. King
Professional Geologist #5901
Expires: 12/31/07

Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater Treatment System
Table 2 - Summary of Laboratory Analytical Results, Treatment System Water Samples
Site Location Map (Figure 1)
Site Plan (Figure 2)
Laboratory Analytical Reports
Chain of Custody Documentation
Updated Contact Information (EBMUD Wastewater Discharge Permit Applicant Information form)

TABLE 1
SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS
WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged = 204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged = 328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged = 445,025

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
TREATMENT SYSTEM WATER SAMPLES

Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
I172806	System Influent	7/28/06	ND<5.0	ND<0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
I183106	System Influent	8/31/06	ND<5.0	ND<0.0005	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
EBMUD Permitted Daily Max Concentration			100	0.005	2	5

Notes:

HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.




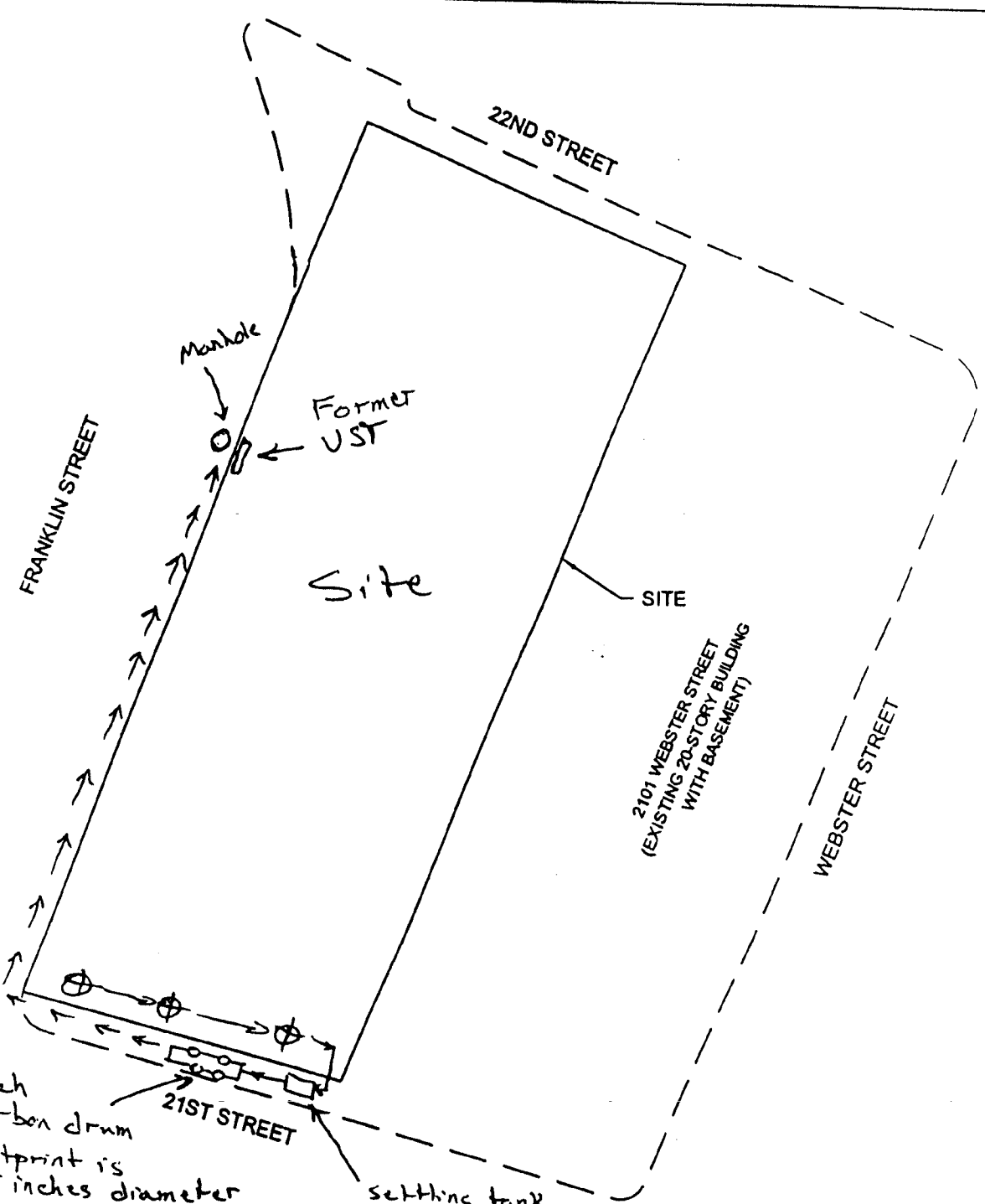
FIGURE 1
 Site Location Map
 2100 Franklin Street
 Oakland, California



Base Map From:
 United States Geological Survey
 Oakland West, Calif. Quadrangle Map
 Photorevised 1980

RGA Environmental, Inc
 1466 66th Street
 Emeryville, CA 94608

0 1000 2000

 Scale In Feet



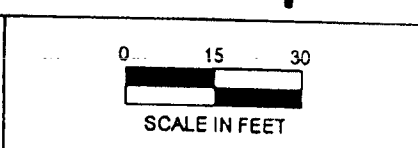
Treatment System
 - 1 4,000 gallon settling tank
 - 2 sets of 2 drums in series

Figure 2
 Site Plan
 2100 Franklin Street
 Oakland, California



Base Map prepared by:
 Treadwell & Rollo, 8/5/05

RGA Environmental, Inc.
 1466 66th St.
 Emeryville, CA 94608



**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
 Web: www.mcccampbell.com E-mail: main@mcccampbell.com
 Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; Franklin St.	Date Sampled: 07/28/06
		Date Received: 07/31/06
	Client Contact: Paul King	Date Extracted: 08/01/06-08/02/06
	Client P.O.:	Date Analyzed: 08/01/06-08/02/06

Volatile Organics by P&T and GC/MS (624 Basic Target List)*

Extraction Method: E624

Analytical Method: E624

Work Order: 0607553

Lab ID	0607553-001C	0607553-002C			Reporting Limit for DF=1
Client ID	I172806	E272806			
Matrix	W	W			
DF	1	1			

Compound	Concentration				ug/kg	ug/L
	Benzene	ND	ND			NA
Ethylbenzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5

Surrogate Recoveries (%)

%SS1:	111	112		
%SS2:	89	92		
%SS3:	86	88		

Comments

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607553

EPA Method: E1664A		Extraction: E1664A_SG			BatchID: 22940			Spiked Sample ID N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
HEMSGT	N/A	200	N/A	N/A	N/A	97.5	95.6	1.96	N/A	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

BATCH 22940 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001A	7/28/06 1:43 PM	7/31/06	8/02/06 2:35 PM	0607553-002A	7/28/06 3:56 PM	7/31/06	8/02/06 2:40 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.

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.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607553

EPA Method: E624		Extraction: E624			BatchID: 22933			Spiked Sample ID 0607556-001B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND<2.5	10	98.3	97.9	0.446	109	99.1	9.52	70 - 130	70 - 130
Chlorobenzene	ND<2.5	10	95.2	96	0.853	104	95.4	8.21	70 - 130	70 - 130
1,1-Dichloroethene	ND<2.5	10	105	103	2.02	101	100	0.526	70 - 130	70 - 130
Toluene	ND<2.5	10	87.2	97.1	10.8	108	91.6	16.3	70 - 130	70 - 130
Trichloroethene	ND<2.5	10	79.6	100	22.8	85.7	80.8	5.91	70 - 130	70 - 130
%SS1:	97	10	96	97	1.08	98	95	3.35	70 - 130	70 - 130
%SS2:	91	10	85	92	7.57	96	89	7.54	70 - 130	70 - 130
%SS3:	94	10	89	92	3.62	96	90	7.03	70 - 130	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

BATCH 22933 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001C	7/28/06 1:43 PM	8/02/06	8/02/06 1:54 PM	0607553-002C	7/28/06 3:56 PM	8/01/06	8/01/06 9:38 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0607553

EPA Method E200.8	Extraction E200.8			BatchID: 22919			Spiked Sample ID 0607541-002E			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Chromium	0.79	10	94.9	91.7	3.16	93.7	92.4	1.46	75 - 125	85 - 115
Nickel	5.1	10	89.6	85.2	3.18	87.9	87	1.02	75 - 125	85 - 115
%SS:	109	750	115	105	8.52	96	96	0	70 - 130	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

BATCH 22919 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001B	7/28/06 1:43 PM	7/31/06	8/01/06 8:07 PM	0607553-002B	7/28/06 3:56 PM	7/31/06	8/01/06 8:14 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

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.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0607553 ClientID: RGAE EDF: NO

Report to:

Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:

TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; Franklin St.
PO:

Bill to:

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 07/31/2006

Date Printed: 07/31/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0607553-001	T172806	Water	7/28/06 1:43:00 PM	<input type="checkbox"/>	A	C	B	B									
0607553-002	E272806	Water	7/28/06 3:56:00 PM	<input type="checkbox"/>	A	C	B	B									

Test Legend:

1	1664A_SG_W	2	624_W	3	METALSMS DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

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.



1466 - 66th St
 Emeryville, CA 94608
 510-656-4363
 510-634-0152 fax
 paul.king@rgaenv.com

U67535 pipe

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: <i>0387</i>			PROJECT NAME: <i>Franklin St.</i>			NUMBER OF CONTAINERS	ANALYSIS(ES): <i>CL: (Grout) (See notes)</i> <i>COAL: (Grout)</i> <i>CR: (Grout)</i>	PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) <i>D.M. Gibbs</i> <i>[Signature]</i>									
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES)	PRESERVATIVE	REMARKS	
<i>E172802</i>	<i>7/20/06</i>	<i>1349</i>	<i>W</i>	<i>Treatment system influent</i>	<i>8</i>	<input checked="" type="checkbox"/>	<i>See</i>	<i>NTAF 4</i>	
<i>E272806</i>	<i>7/20/06</i>	<i>1528</i>	<i>W</i>	<i>" " " effluent</i>	<i>8</i>	<input checked="" type="checkbox"/>	<i>See</i>	<i>Non-ferrous Time</i>	
RECEIVED BY: (SIGNATURE) <i>[Signature]</i> DATE: <i>7/20/06</i> TIME: <i>1349</i>					RECEIVED BY: (SIGNATURE) <i>[Signature]</i> DATE: <i>7/20/06</i> TIME: <i>1528</i>				
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>					TOTAL NO. OF SAMPLES (THIS SHIPMENT) <i>2</i>				
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>					TOTAL NO. OF CONTAINERS (THIS SHIPMENT) <i>16</i>				
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>					LABORATORY CONTACT: <i>Raychley's</i>				
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>					LABORATORY PHONE NUMBER: <i>(905) 222-9212</i>				
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>					SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES () NO				
REMARKS: <i>Please Alter and present containers for metals analysis</i>									



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; Franklin Street	Date Sampled: 08/31/06
	Client Contact: Eric Olson	Date Received: 09/01/06
	Client P.O.:	Date Extracted: 09/08/06
		Date Analyzed: 09/08/06

Volatile Organics by P&T and GC/MS*

Extraction Method: E624

Analytical Method: E624

Work Order: 0609039

Lab ID	0609039-001A	0609039-002A	Reporting Limit for DF=1	
Client ID	I183106	E183106		
Matrix	W	W		
DF	1	1		

Compound	Concentration		ug/kg	µg/L
	Benzene	ND	ND	NA
Ethylbenzene	ND	ND	NA	0.5
Toluene	ND	ND	NA	0.5
Xylenes	ND	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	114	117		
%SS2:	103	96		
%SS3:	89	84		
Comments				

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0609039

EPA Method: E1664A		Extraction: E1664A_SG				BatchID: 23519			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	MS RPD	LCS/LCSD	LCS RPD
HEMSGT	N/A	200	N/A	N/A	N/A	109	111	1.30	N/A	N/A	70 - 130	N/A

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 23519 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001B	8/31/06 12:55 PM	9/01/06	9/06/06 6:17 PM	0609039-002B	8/31/06 1:10 PM	9/01/06	9/06/06 6:22 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.
 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.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0609039

EPA Method: E624		Extraction: E624				BatchID: 23514			Spiked Sample ID: 0609039-002A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	10	120	122	1.90	117	112	4.51	70 - 130	70 - 130
Chlorobenzene	ND	10	114	109	4.54	114	113	1.15	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	117	112	4.75	113	106	7.20	70 - 130	70 - 130
Toluene	ND	10	127	102	22.4	111	120	8.10	70 - 130	70 - 130
Trichloroethene	ND	10	108	98.9	8.31	99.8	103	3.20	70 - 130	70 - 130
%SS1:	117	10	107	109	1.44	104	103	0.697	70 - 130	70 - 130
%SS2:	96	10	116	98	17.5	102	115	12.2	70 - 130	70 - 130
%SS3:	84	10	106	85	21.5	96	103	7.81	70 - 130	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

BATCH 23514 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001A	8/31/06 12:55 PM	9/08/06	9/08/06 8:11 PM	0609039-002A	8/31/06 1:10 PM	9/08/06	9/08/06 12:26 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0609039

EPA Method: E200.8		Extraction: E200.8				BatchID: 23494			Spiked Sample ID: 0609009-007C		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Chromium	ND	10	96.1	96.1	0	97.2	101	4.12	75 - 125	85 - 115	
Nickel	ND	10	96	94	2.10	99.6	103	3.20	75 - 125	85 - 115	
%SS:	107	750	107	105	1.87	107	107	0	70 - 130	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

BATCH 23494 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001C	8/31/06 12:55 PM	9/01/06	9/05/06 5:59 PM	0609039-002C	8/31/06 1:10 PM	9/01/06	9/05/06 6:06 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

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 ELAP Certification N° 1644

 QA/QC Officer



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

WorkOrder: 0609039

ClientID: RGAE

EDF: NO

Report to:

Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:

TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; Franklin Street
PO:

Bill to:

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT:

5 days

Date Received: 09/01/2006

Date Printed: 09/01/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0609039-001	I183106	Water	8/31/06 12:55:00	<input type="checkbox"/>	B	A	C	C								
0609039-002	E183106	Water	8/31/06 1:10:00 PM	<input type="checkbox"/>	B	A	C	C								

Test Legend:

1	1664A_SG_W	2	624_W	3	METALSMS DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

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.



RGA Environmental, Inc.
 1466 - 66th St
 Emeryville, CA 94608
 510-658-4363
 510-834-0152 fax
 paul.king@rgaenv.com

page

0609039

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: 0387		PROJECT NAME: Franklin Street			NUMBER OF CONTAINERS	ANALYSIS(ES):				PRESERVATIVE	REMARKS	
SAMPLED BY: (PRINTED AND SIGNATURE) D M Gibbs [Signature]						Oil & Grease (160.7)	Ch. Ni. (200.7)	BTEX (629)				
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION								
I183106	8/31/06	1255	W	Treatment system influent	6	✓	✓	✓		Ice	Normal TAT	
E183106	8/31/06	1310	W	Treatment system effluent	6	✓	✓	✓		Ice	Normal TAT	
ICEP <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> PRESERVED IN LAB <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input type="checkbox"/> PRESERVATION <input checked="" type="checkbox"/> VOAS <input type="checkbox"/> O&G <input type="checkbox"/> METALS <input type="checkbox"/> OTHER <input type="checkbox"/>					TOTAL NO. OF SAMPLES (THIS SHIPMENT)		LABORATORY: McCampbell Analytical					
RELINQUISHED BY: (SIGNATURE) [Signature]					DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]		TOTAL NO. OF CONTAINERS (THIS SHIPMENT)		LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 252-9202
RELINQUISHED BY: (SIGNATURE) [Signature]					DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]		SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES () NO			
RELINQUISHED BY: (SIGNATURE) [Signature]					DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)		REMARKS: Please filter and preserve containers for metals analyses.			



WASTEWATER DISCHARGE PERMIT
Terms and Conditions
APPLICANT INFORMATION

APPLICANT BUSINESS NAME <u>Brandywine Realty Trust</u>		PERMIT NUMBER
ADDRESS OF SITE DISCHARGING WASTEWATER <u>2100 Frankln Street</u> <u>Oakland</u> <u>94612</u> <small>STREET ADDRESS</small> <small>CITY</small> <small>ZIP CODE</small>		
PERSON TO BE CONTACTED REGARDING THIS APPLICATION <u>Paul King</u> <u>Paul.King@RGAenv.com</u> <u>510 658-4363</u> <u>510-834-0152</u> <small>NAME</small> <small>Eric Olson</small> <small>ELECTRONIC MAIL ADDRESS</small> <small>TELEPHONE NUMBER</small> <small>FACSIMILE NUMBER</small> <u>Dave Gibbs</u>		
PERSON(S) TO RECEIVE PERMIT AND CORRESPONDENCE IF DIFFERENT THAN PERSON SIGNING APPLICATION <hr/> <small>NAME</small> <small>MAILING ADDRESS</small> <hr/> <small>NAME</small> <small>MAILING ADDRESS</small>		
PERSON TO BE CONTACTED IN THE EVENT OF AN EMERGENCY <u>Site Supervisor</u> <u>(510) 451-1773</u> <u>(510) 451-1773</u> <small>NAME</small> <small>DAYTIME TELEPHONE NUMBER</small> <small>NIGHTTIME TELEPHONE NUMBER</small>		
AUTHORIZATION <u>Paul King, Professional</u> <i>is authorized to sign reports, documents, and other correspondence required by this Permit.</i> <small>NAME & TITLE</small> <u>Geologist</u>		
CERTIFICATION <i>I understand that I am legally responsible for discharge of wastewater from the facility and for complying with the Terms and Conditions of this Wastewater Discharge Permit.</i> <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>		
<u>Kaki Coleman</u> <small>NAME</small>	<u>Project Manager</u> <small>TITLE</small>	
<u>Kaki Coleman</u> <small>SIGNATURE</small> <small>(TO BE SIGNED BY CHIEF EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE. SEE CERTIFICATION REQUIREMENTS ON REVERSE)</small>	<u>6-2-06</u> <small>DATE</small>	EFO
<u>2101 Webster Street, #1600</u> <small>MAILING ADDRESS</small> <u>Oakland, CA 94612</u>	<u>(510) 836-1300 465-2101</u> <small>PHONE NUMBER</small>	



December 7, 2006
Report 0387.R4

Ms. Mirtha Ninayahuar
East Bay Municipal Utility District
375 11th Street
Oakland, CA 94607

SUBJECT: WASTEWATER DISCHARGE TECHNICAL REPORT
FOR SEPTEMBER AND OCTOBER 2006
2100-2150 Franklin Street
Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. This report is for the period of September and October, 2006. The samples were collected on October 9, 2006 and November 8, 2006. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The site is presently being excavated for construction of a high-rise office building. In order to dewater the excavation and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006.

FIELD ACTIVITIES

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. Operational changes and required monthly totalizer readings are summarized in Table 1. On October 20, 2006, the settling tank was covered with a tarp to reduce algae growth. On October 27, 2006 the use of the system pre-filter was discontinued because the algae growth problem had been mitigated by covering the tank with a tarp. System influent and effluent samples were collected on October 9, 2006 and November 8, 2006. The system influent sample was collected on October 9 from a sample port located between the settling tank and the pre-filter, and on November 8 at the sampling port located between the settling tank and the carbon drum manifold. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. The samples were collected in 500-milliliter polyethylene bottles, one-liter amber bottles containing hydrochloric acid, and 40-milliliter glass Volatile

milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, CA. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium was not detected in any of the samples and nickel was detected in all of the samples at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. The system effluent samples collected on November 8, 2006 after the discontinuation of the use of the pre-filter showed no analytes in excess of the discharge limitations. A dramatic reduction in algae growth after the covering of the settling tank with a tarp shows that it was an effective strategy to reduce algae growth in the settling tank. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; and our professional judgment based on said information at the time of preparation of this document. Any sample results and observations presented herein are considered to be representative of the area of investigation. If future conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility

of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

CERTIFICATION


I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

December 7, 2006
Report 0387.R4

Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.



Kenneth Pilgrim
Project Manager



Paul H. King
Professional Geologist #5901
Expires: 12/31/07

Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater Treatment System
Table 2 - Summary of Laboratory Analytical Results, Treatment System Water Samples
Site Location Map (Figure 1)
Site Plan (Figure 2)
Graph of Gallons Removed per Day
Graph of Total Gallons Pumped Out of Site
Laboratory Analytical Reports
Chain of Custody Documentation

PHK/dmg
0387.R4

TABLE 1
SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS
WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged =204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged =328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged =445,025
10/15/06	Cumulative gallons discharged =555,500
10/20/06	System maintenance: settling tank covered with a tarp
10/27/06	System maintenance: pre-filter taken off-line
11/15/06	Cumulative gallons discharged =655,500

TABLE 2
 SUMMARY OF LABORATORY ANALYTICAL RESULTS
 TREATMENT SYSTEM WATER SAMPLES

Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
I172806	System Influent	7/28/06	ND <5.0	ND <0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND <5.0	ND <0.0005	ND <0.0005	0.028
I183106	System Influent	8/31/06	ND <5.0	ND <0.0005	ND <0.0005	0.0057
E183106	System Effluent	8/31/06	ND <5.0	ND <0.0005	0.0012	0.0096
I1100906	System Influent	10/09/06	ND <5.0	ND <0.0005	ND <0.005	0.0058
E1100906	System Effluent	10/09/06	ND <5.0	ND <0.0005	ND <0.005	0.0073
I1110806	System Influent	11/08/06	ND <5.0	ND <0.0005	ND <0.005	0.0055
E1110806	System Effluent	11/08/06	ND <5.0	ND <0.0005	ND <0.005	0.013
EBMUD Permitted Daily Max Concentration			100	0.005	2	5

Notes:

HEMSGT =Hexane Extractable Materials with Silica Gel Clean Up

BTEX =Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.

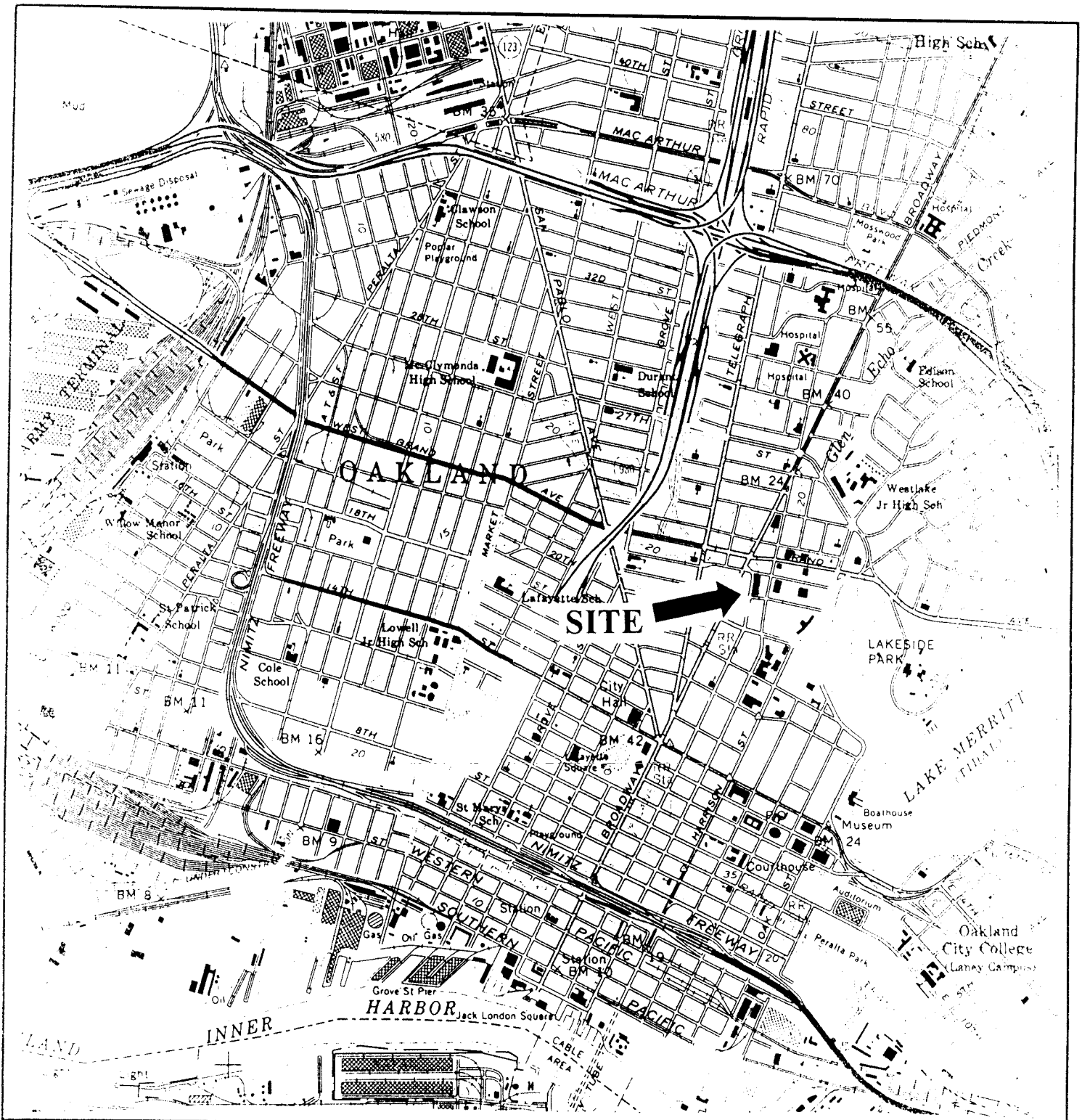
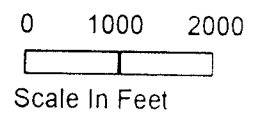


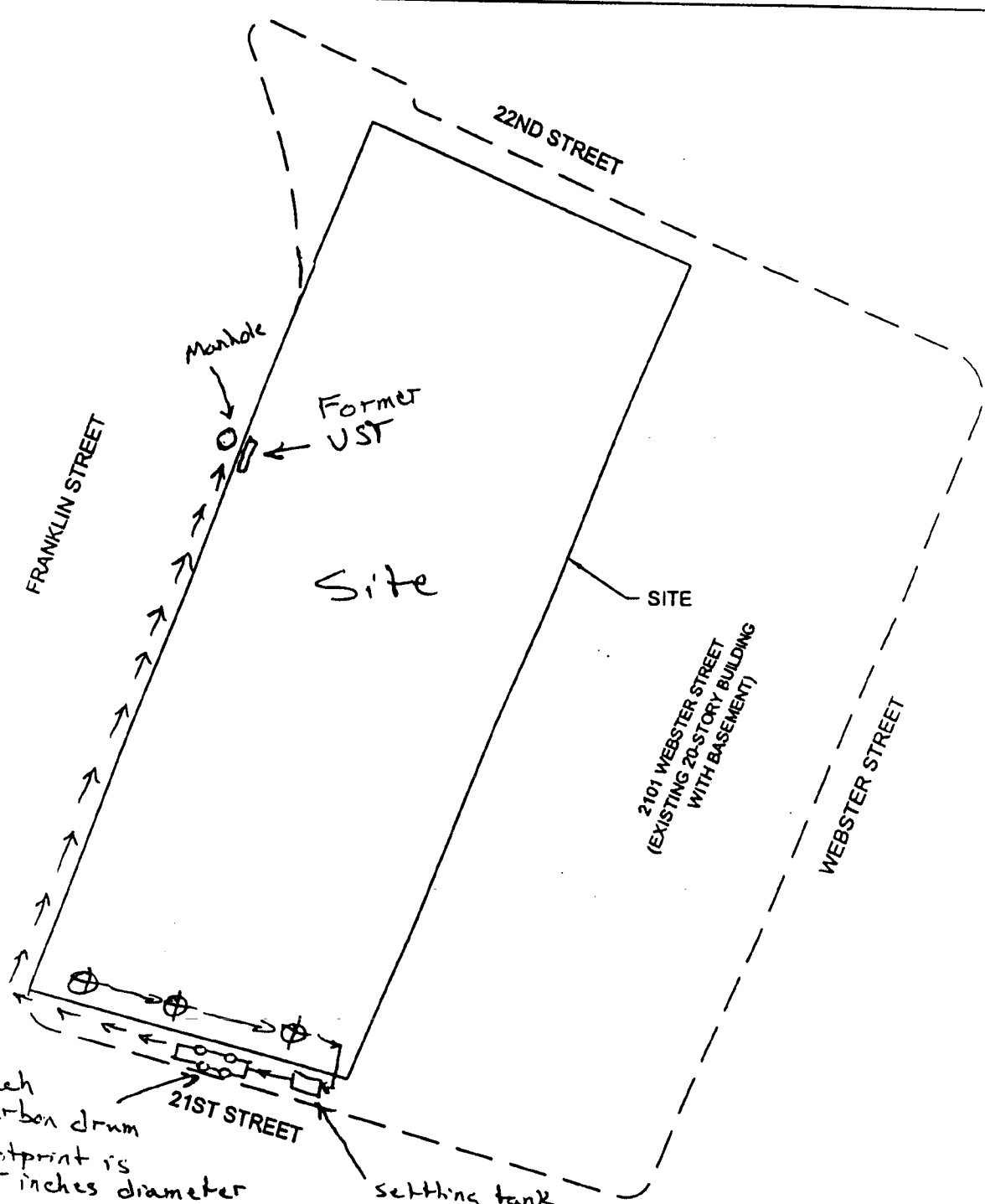
FIGURE 1
Site Vicinity Map
 2100 Franklin Street
 Oakland, California



Base Map From:
 United States Geological Survey
 Oakland West, Calif. Quadrangle Map
 Photorevised 1980

RGA Environmental, Inc
 1466 66th Street
 Emeryville, CA 94608





2101 WEBSTER STREET
(EXISTING 20-STORY BUILDING
WITH BASEMENT)

each
carbon drum
footprint is
25 inches diameter

settling tank
footprint is
8 FT X 20 FT

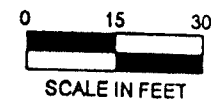
Treatment System
- 1 4,000 gallon settling tank
- 2 sets of 2 drums in series

Figure 2
Site Plan
2100 Franklin Street
Oakland, California

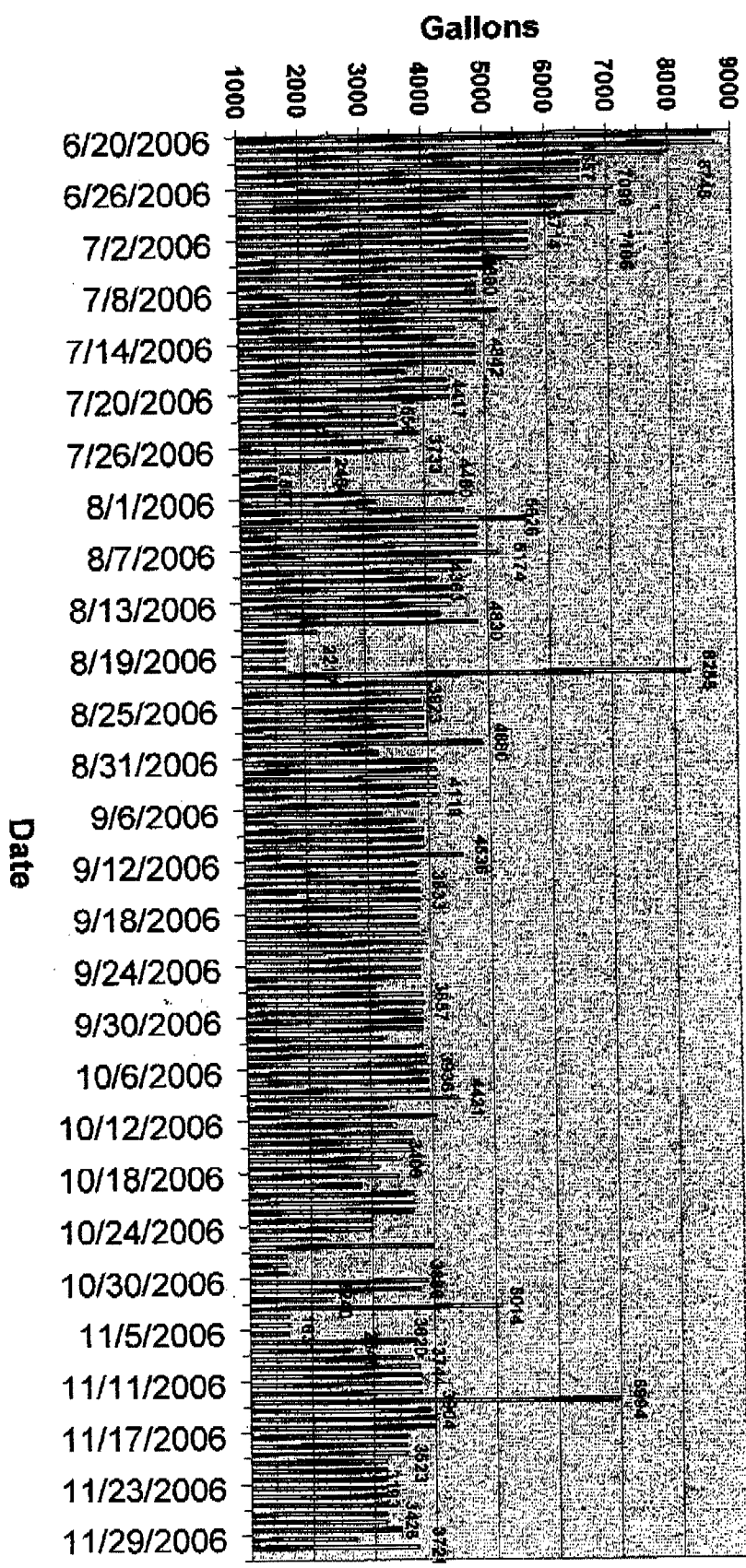


Base Map prepared by:
Treadwell & Rollo, 8/5/05

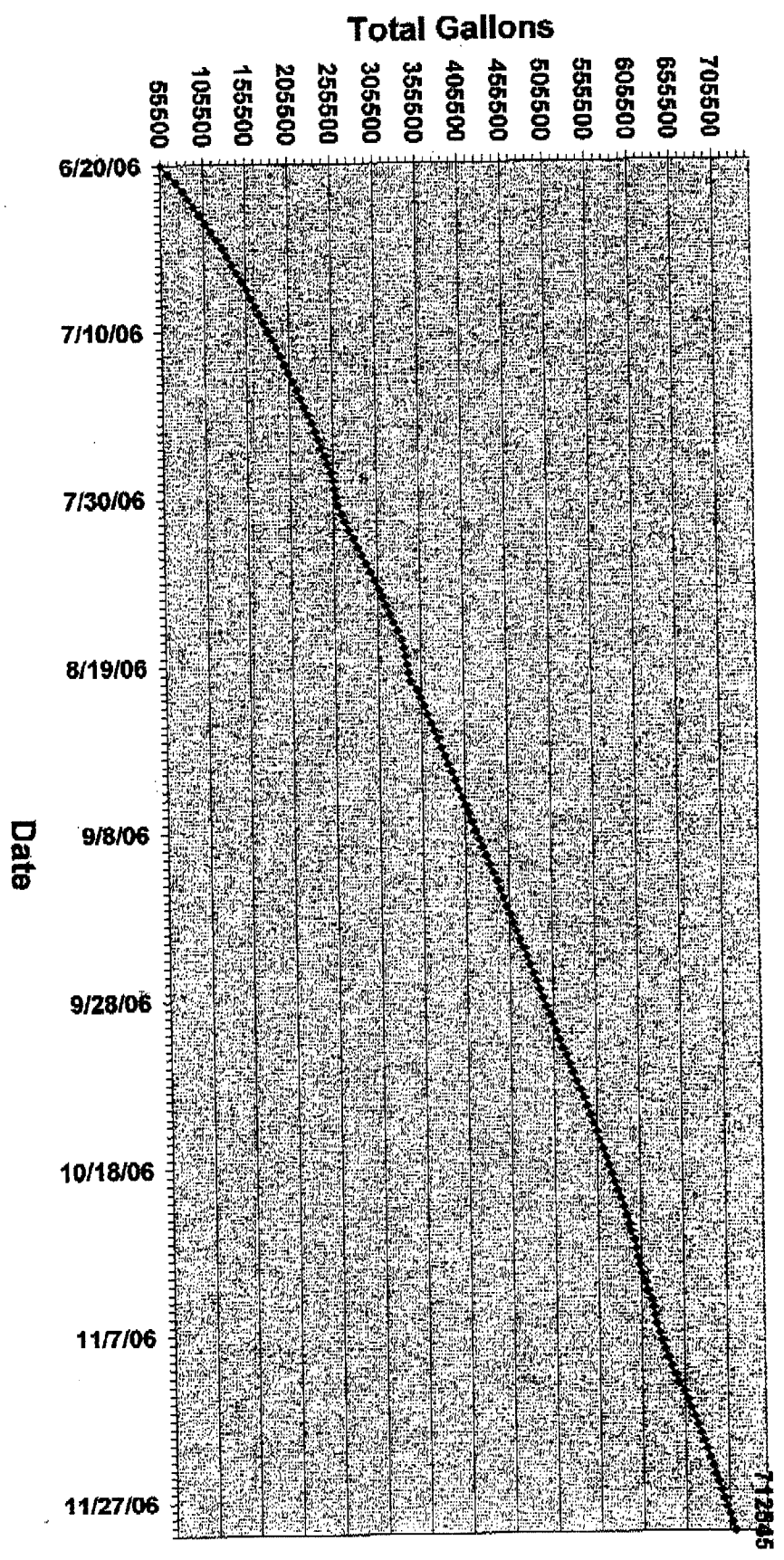
RGA Environmental, Inc.
1466 66th St.
Emeryville, CA 94608




Gallons Removed per Day




Total Gallons Pumped Out of Site



712845

Angela Rydelius, Lab Manager 

Compound		Concentration		Surrogate Recoveries (%)		Comments
µg/L	ug/kg					
Benzen	ND	ND	ND	104	104	* water and vapor samples are reported in µg/L, soil/sluage/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe. ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis. # surrogate diluted out of range or surrogate coelutes with another peak. h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.
Ethylbenzene	ND	ND	ND	98	98	
Toluene	ND	ND	ND	102	102	
Xylenes	ND	ND	ND	104	104	
Surrogate Recoveries (%)						
Benzen	NA	NA	NA	0.5	0.5	
Ethylbenzene	NA	NA	NA	0.5	0.5	
Toluene	NA	NA	NA	0.5	0.5	
Xylenes	NA	NA	NA	0.5	0.5	
Compound		Concentration		Surrogate Recoveries (%)		Comments
µg/L	ug/kg					
Benzen	ND	ND	ND	104	104	* water and vapor samples are reported in µg/L, soil/sluage/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe. ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis. # surrogate diluted out of range or surrogate coelutes with another peak. h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.
Ethylbenzene	ND	ND	ND	98	98	
Toluene	ND	ND	ND	102	102	
Xylenes	ND	ND	ND	104	104	
Surrogate Recoveries (%)						
Benzen	NA	NA	NA	0.5	0.5	
Ethylbenzene	NA	NA	NA	0.5	0.5	
Toluene	NA	NA	NA	0.5	0.5	
Xylenes	NA	NA	NA	0.5	0.5	
Lab ID		0610181-001C		0610181-002C		Reporting Limit for DF=1
Client ID		11100906		E11100906		
Matrix		W		W		
DF		1		1		
Extraction Method: E624		Analytical Method: E624		Work Order: 0610181		
Volatile Organics by P&T and GC/MS *						
RGA Environmental		Client Project ID: #0387; 2100		Franklin St.		
1466 66th Street		Client Contact: Eric Olson		Date Sampled: 10/09/06		
Emeryville, CA 94608		Date Extracted: 10/11/06		Date Received: 10/09/06		
Client P.O.:		Date Analyzed: 10/11/06				
 "When Quality Counts" McC Campbell Analytical, Inc. 1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269						



QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0610181

EPA Method: E1664A		Extraction: E1664A_SG				BatchID: 24054			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	102	105	2.67	N/A	N/A	70 - 130	30
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE												

BATCH 24054 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001A	10/09/06	10/09/06	10/11/06 1:20 PM	0610181-002A	10/09/06	10/09/06	10/11/06 1:25 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.
 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.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0610181

EPA Method: E624		Extraction: E624				BatchID: 24183			Spiked Sample ID: 0610178-003C			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND<500	10	NR	NR	NR	113	111	1.39	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	NR	NR	NR	95	95.6	0.676	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND<500	10	NR	NR	NR	99.8	95.7	4.26	70 - 130	30	70 - 130	30
Toluene	ND<500	10	NR	NR	NR	105	105	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	NR	NR	NR	83.2	83.2	0	70 - 130	30	70 - 130	30
%SSI:	107	10	110	112	1.70	105	103	2.16	70 - 130	30	70 - 130	30
%SS2:	96	10	101	105	3.22	97	97	0	70 - 130	30	70 - 130	30
%SS3:	97	10	103	103	0	102	100	1.56	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24183 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001C	10/09/06	10/11/06	10/11/06 12:57 AM	0610181-002C	10/09/06	10/11/06	10/11/06 1:42 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0610181

EPA Method: E200.7		Extraction: E200.7				BatchID: 24072			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	100	N/A	N/A	N/A	89.9	89.9	0	N/A	N/A	85 - 115	20
Nickel	N/A	100	N/A	N/A	N/A	93.1	90	3.46	N/A	N/A	85 - 115	20
%SS:	N/A	750	N/A	N/A	N/A	104	100	4.04	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24072 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001B	10/09/06	10/09/06	10/10/06 2:00 PM	0610181-002B	10/09/06	10/09/06	10/10/06 2:05 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not applicable to this method.
 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.

McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

WorkOrder: 0610181

ClientID: RGAE

EDF Fax Email HardCopy ThirdParty

Report to:

Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; 2100 Franklin St.
PO:

Bill to:

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 10/09/2006

Date Printed: 10/09/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0610181-001	I1100906	Water	10/9/06	<input type="checkbox"/>	A	C	B	B									
0610181-002	E1100906	Water	10/9/06	<input type="checkbox"/>	A	C	B	B									

Test Legend:

1	1664A_SG_W	2	624_W	3	METALS_DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

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.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 11/08/06
		Date Received: 11/08/06
	Client Contact: Eric Olson	Date Extracted: 11/10/06
	Client P.O.:	Date Analyzed 11/10/06

Btex by P&T and GC/MS*

Extraction Method: E624

Analytical Method: E624

Work Order: 0611188

Lab ID	0611188-001C	0611188-002C			Reporting Limit for DF = 1	
Client ID	I1110806	E1110806				
Matrix	W	W				
DF	1	1			S	W
Compound	Concentration				ug/kg	ug/L
Benzene	ND	ND			NA	0.5
Ethylbenzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5

Surrogate Recoveries (%)

%SS1:	101	101				
%SS2:	94	93				
%SS3:	88	89				

Comments

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method: E1664A		Extraction: E1664A_SG				BatchID: 24665			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	110	110	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24665 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/08/06	11/14/06 2:38 PM	0611188-002	11/08/06	11/08/06	11/14/06 2:43 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method E624	Extraction E624			BatchID: 24718			Spiked Sample ID: 0611206-006a						
	Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
		µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	10	125	125	0	126	124	2.15	70 - 130	30	70 - 130	30	
Chlorobenzene	ND	10	108	107	0.619	107	108	1.57	70 - 130	30	70 - 130	30	
1,1-Dichloroethene	ND	10	127	128	0.639	128	126	1.46	70 - 130	30	70 - 130	30	
Toluene	ND	10	117	119	1.88	120	121	0.873	70 - 130	30	70 - 130	30	
Trichloroethene	ND	10	98.9	97.3	1.71	94.9	95.7	0.797	70 - 130	30	70 - 130	30	
%SS1:	102	10	102	100	1.22	100	99	1.62	70 - 130	30	70 - 130	30	
%SS2:	93	10	97	96	1.02	98	99	1.71	70 - 130	30	70 - 130	30	
%SS3:	88	10	96	96	0	97	97	0	70 - 130	30	70 - 130	30	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24718 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/10/06	11/10/06 5:39 AM	0611188-002	11/08/06	11/10/06	11/10/06 6:22 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method: E200.7		Extraction: E200.7				BatchID: 24676			Spiked Sample ID: 0611133-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	ND	100	98	98	0	101	98	3.12	75 - 125	20	85 - 115	20
Nickel	ND	100	101	108	6.71	97.5	96.6	0.876	75 - 125	20	85 - 115	20
%SS:	113	750	111	115	3.67	116	120	3.25	70 - 130	20	70 - 130	20

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

NONE

BATCH 24676 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/08/06	1/13/06 10:32 AM	0611188-002	11/08/06	11/08/06	1/13/06 10:37 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



RGA Environmental, Inc.
 1486 - 68th St
 Emeryville, CA 94608
 510-856-4383
 510-854-0152 fax
 paul.king@rgaenv.com

RGA 061188
CHAIN OF CUSTODY RECORD

PROJECT NUMBER: <u>0387</u>			PROJECT NAME: <u>2100 Franklin St.</u>			NUMBER OF CONTAINERS	ANALYSES (ES)	EPA 1631 (SILICON)	EPA 1631 (LEAD)	EPA 1631 (ZINC)	PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) <u>Eric Olsen</u>												
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION								
<u>21110306</u>	<u>1/9/06</u>		<u>water</u>	<u>Tap Water</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>ICE</u>	<u>Normal Tap Water</u>	
<u>E1110306</u>	<u>"</u>		<u>"</u>	<u>Tap Water</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>"</u>	<u>"</u>	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>						DATE	TIME	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		TOTAL NO. OF SAMPLES (HAS DEFICIT)	LABORATORY:	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>						DATE	TIME	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		TOTAL NO. OF CONTAINERS (HAS DEFICIT)	LABORATORY PHONE NUMBER:	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>						DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) <u>[Signature]</u>		SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO		
REMARKS: <u>SDS (Ankers) present with lead from site - positive for lead, poly sample from analysis</u>												

(+)
✓

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0611188

ClientID: RGAE

EDF Fax Email HardCop ThirdPart

Report to:

Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-777 FAX: (510) 547-198
ProjectNo: #0387; 2100 Franklin St.
PO:

Bill to

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: **5 days**

Date Received 11/08/2006

Date Printed: 11/08/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0611188-001	I1110806	Water	11/8/2006	<input type="checkbox"/>	A	C	B	B									
0611188-002	E1110806	Water	11/8/2006	<input type="checkbox"/>	A	C	B	B									

Test Legend:

1	1664A_SG_W	2	624_W	3	METALS DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

Prepared by: Rosa Venegas

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.



February 7, 2007
Report 0387.R5

Ms. Mirtha Ninayahuar
East Bay Municipal Utility District
375 11th Street
Oakland, CA 94607

SUBJECT: WASTEWATER DISCHARGE TECHNICAL REPORT
FOR NOVEMBER AND DECEMBER 2006
2100-2150 Franklin Street
Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. This report is for the period of November and December, 2006. The samples were collected on November 30, 2006 and December 18, 2006. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The construction of a high-rise office building is presently ongoing at the site. In order to dewater the excavation for the construction site and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006. On October 20, 2006, the settling tank was covered with a tarp to reduce algae growth. A dramatic reduction in algae growth after the covering of the settling tank with a tarp shows that it was an effective strategy to reduce algae growth in the settling tank. On October 27, 2006 the use of the system pre-filter was discontinued because the algae growth problem had been mitigated by covering the tank with a tarp. All previous samples showed no analytes in excess of the discharge limitations.

FIELD ACTIVITIES

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. Operational changes and required monthly totalizer readings are summarized in Table 1. System influent and effluent samples were collected on

November 30, 2006 and December 18, 2006. The system influent sample was collected on November 30, 2006 from a sample port located between the settling tank and the pre-filter, and on December 18, 2006 at the sampling port located between the settling tank and the carbon drum manifold. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. The samples were collected in 500-milliliter polyethylene bottles, one-liter amber bottles containing hydrochloric acid, and 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, California. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium was not detected in any of the samples and nickel was detected in all of the samples at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. Both samples collected on November 30, 2006 and December 18, 2006 showed no analytes in excess of the discharge limitations. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; and our professional judgment based on said information at the time of preparation of this document. Any sample results and observations presented herein are considered to be representative of the area of investigation. If future conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities, which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

February, 7, 2007
Report 0387.R5


Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.

Paul H. King For

Kenneth Pilgrim
Project Manager



David M. Gibbs
Professional Geologist #7804
Expires: 2/28/07



Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater Treatment System
Table 2 - Summary of Laboratory Analytical Results, Treatment System Water Samples
Figure 1 - Site Vicinity Map
Figure 2 - Site Plan
Laboratory Analytical Reports and Chains of Custody Documentation

PHK/dmg/fjo
0387.R5

TABLES

TABLE 1
SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS
WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged = 204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged = 328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged = 445,025
10/15/06	Cumulative gallons discharged = 555,500
10/20/06	System maintenance: settling tank covered with a tarp
10/27/06	System maintenance: pre-filter taken off-line
11/15/06	Cumulative gallons discharged = 655,500
12/11/06	Cumulative gallons discharged = 743,895

TABLE 2
 SUMMARY OF LABORATORY ANALYTICAL RESULTS
 TREATMENT SYSTEM WATER SAMPLES

Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
I172806	System Influent	7/28/06	ND<5.0	ND<0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
I183106	System Influent	8/31/06	ND<5.0	ND<0.0005	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
I1100906	System Influent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0058
E1100906	System Effluent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0073
I1110806	System Influent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.0055
E1110806	System Effluent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.013
I1113006	System Influent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0054
E1113006	System Effluent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0064
I1121806	System Influent	12/18/06	ND<5.0	ND<0.0005	0.0099	0.0060
E1121806	System Effluent	12/18/06	ND<5.0	ND<0.0005	ND<0.005	0.0094
EBMUD Permitted Daily Max Concentration			100	0.005	2	5

Notes:
 HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up
 BTEX = Benzene, Toluene, Ethylbenzene and Xylenes
 Concentrations are in milligrams per liter (mg/L), unless otherwise noted.

TABLE 1
SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS
WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged = 204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged = 328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged = 445,025
10/15/06	Cumulative gallons discharged = 555,500
10/20/06	System maintenance: settling tank covered with a tarp
10/27/06	System maintenance: pre-filter taken off-line
11/15/06	Cumulative gallons discharged = 655,500
12/11/06	Cumulative gallons discharged = 743,895

TABLE 2
 SUMMARY OF LABORATORY ANALYTICAL RESULTS
 TREATMENT SYSTEM WATER SAMPLES

Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
I172806	System Influent	7/28/06	ND<5.0	ND<0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
I183106	System Influent	8/31/06	ND<5.0	ND<0.0005	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
I1100906	System Influent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0058
E1100906	System Effluent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0073
I1110806	System Influent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.0055
E1110806	System Effluent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.013
I1113006	System Influent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0054
E1113006	System Effluent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0064
I1121806	System Influent	12/18/06	ND<5.0	ND<0.0005	0.0099	0.0060
E1121806	System Effluent	12/18/06	ND<5.0	ND<0.0005	ND<0.005	0.0094
EBMUD Permitted Daily Max Concentration			100	0.005	2	5

Notes:

HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.

FIGURES

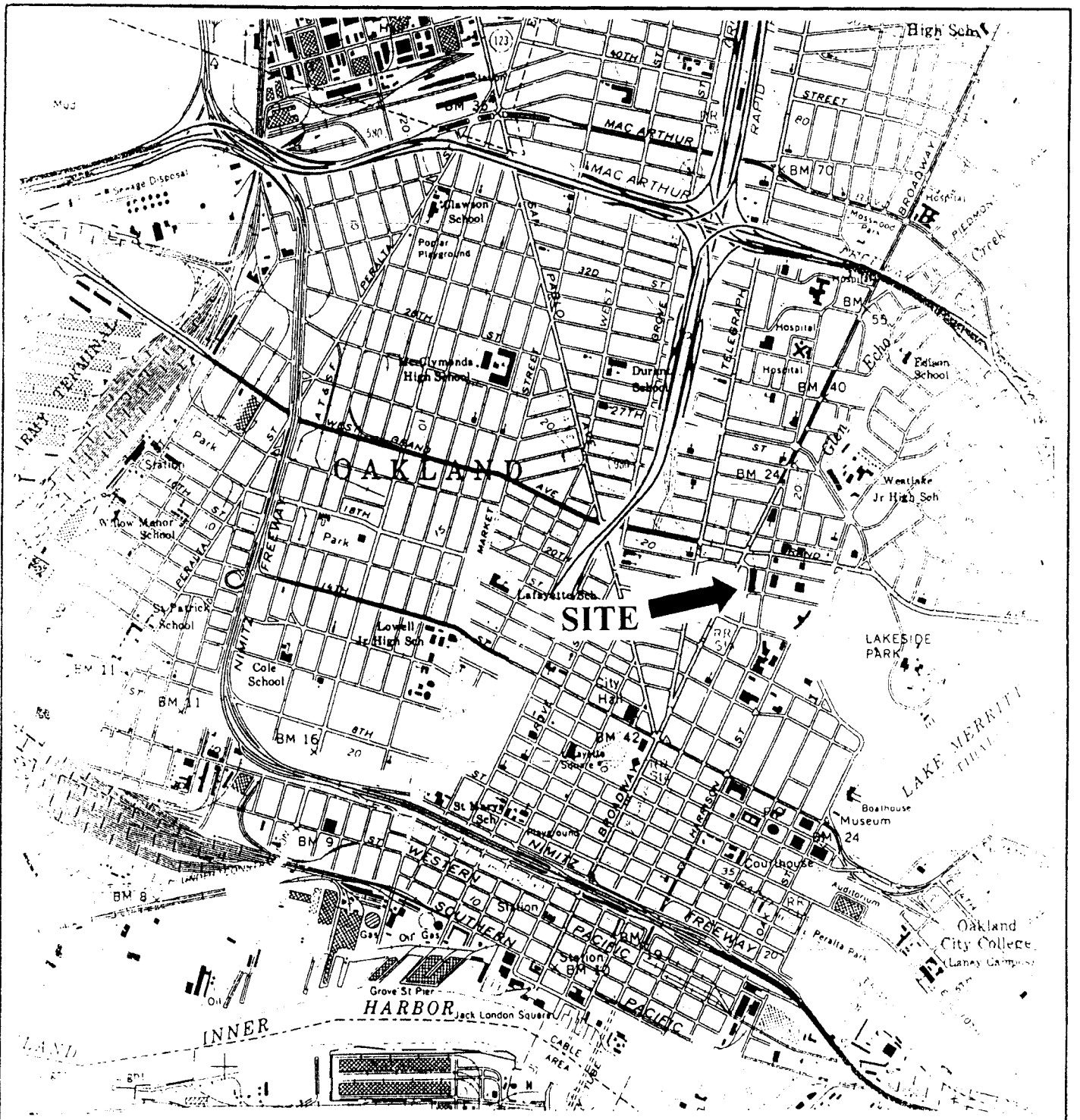



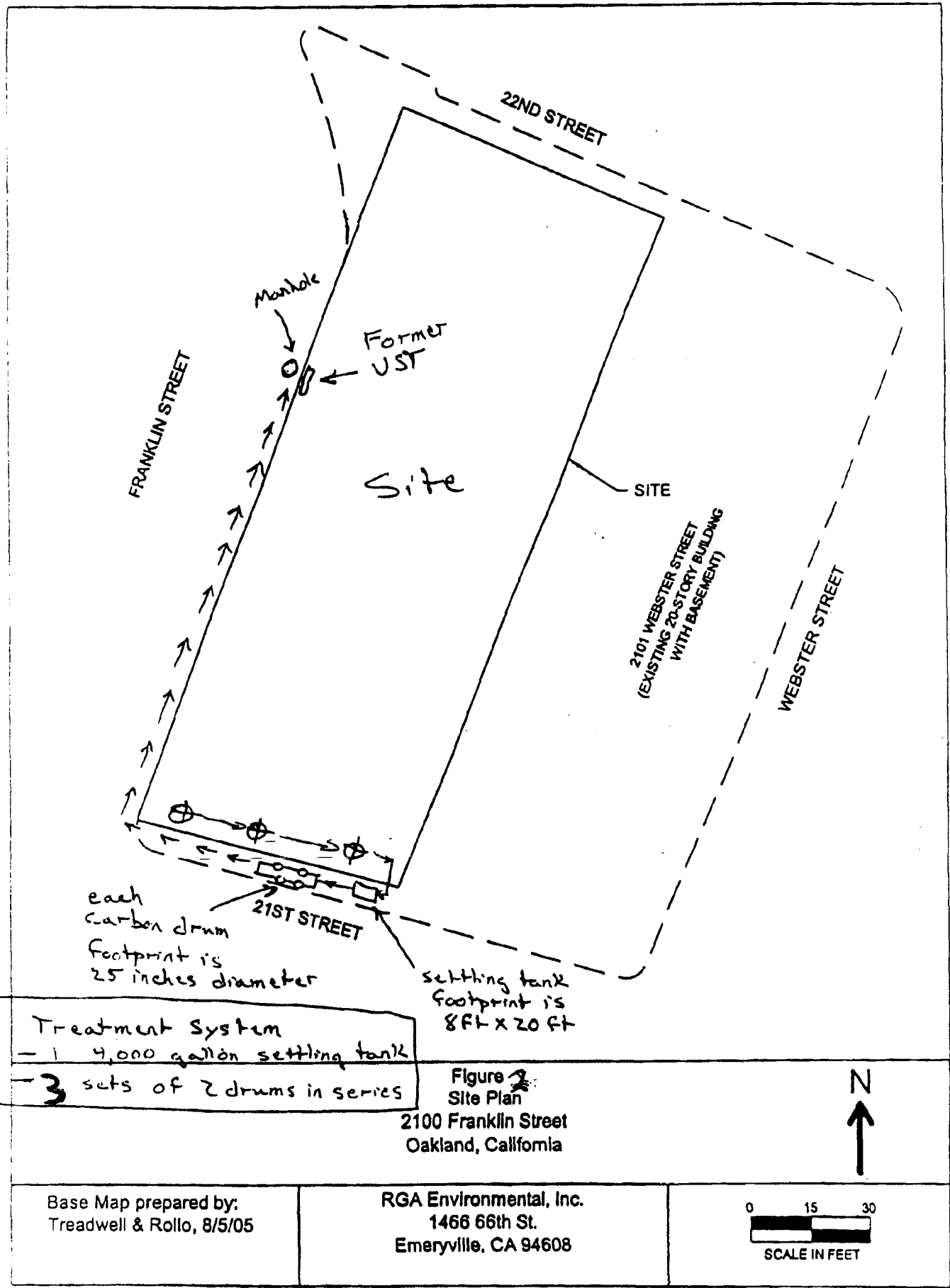
FIGURE 1
Site Vicinity Map
 2100 Franklin Street
 Oakland, California



Base Map From:
 United States Geological Survey
 Oakland West, Calif. Quadrangle Map
 Photorevised 1980

RGA Environmental, Inc
 1466 66th Street
 Emeryville, CA 94608

0 1000 2000

 Scale In Feet



FRANKLIN STREET

22ND STREET

Manhole
Former UST

Site

SITE
2101 WEBSTER STREET
(EXISTING 20-STORY BUILDING WITH BASEMENT)

WEBSTER STREET

each carbon drum footprint is 25 inches diameter

21ST STREET

settling tank footprint is 8 ft x 20 ft

Treatment System
- 1 4,000 gallon settling tank
- 3 sets of 2 drums in series

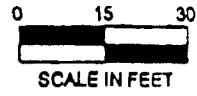
Figure 2:
Site Plan

2100 Franklin Street
Oakland, California



Base Map prepared by:
Treadwell & Rollo, 8/5/05

RGA Environmental, Inc.
1466 66th St.
Emeryville, CA 94608



**LABORATORY REPORTS
AND CHAIN OF CUSTODY
DOCUMENTATION**

**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT14039; Brandywine Realty Trust	Date Sampled: 11/30/06
		Date Received: 11/30/06
	Client Contact: Eric Olson	Date Reported: 12/06/06
	Client P.O.:	Date Completed: 12/06/06

WorkOrder: 0611559

December 06, 2006

Dear Eric:

Enclosed are:

- 1). the results of 2 analyzed samples from your ~~#BRT14039; Brandywine Realty Trust~~ project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). 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. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



RGA Environmental, Inc. *KJG* 0611559
 1466 - 66th St
 Emeryville, CA 94608
 510-658-4363
 510-834-0152 fax
 paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: BRT 14039			PROJECT NAME: Brandywine Realty Trust			NUMBER OF CONTAINERS	ANALYSIS(ES):				PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) Eric Olson <i>[Signature]</i>												
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION								
HI 11113006	11/30/06		Water	Influent Water		8	X	X	X		FCB	Normal Turbidity
✓ 11113006			"	Effluent Water		8	X	X	X		"	"
<p><i>5.6°C</i></p> <p>COOLING METHOD: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> REFRIGERATOR <input type="checkbox"/> OTHER</p> <p>DISINTEGRATION: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>PRESERVATION: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>												
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>			DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>			TOTAL NO. OF SAMPLES (THIS SHIPMENT)	3	LABORATORY:		
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>			DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>			TOTAL NO. OF CONTAINERS (THIS SHIPMENT)	16	McCampbell Analytical		
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>			DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)			LABORATORY CONTACT: Argyle Hydrobus				
								LABORATORY PHONE NUMBER: (925) 752-9262				
								SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO				
REMARKS: 40ml WAs + 12 Ambers preserved w/HCl. please Filter + preserve containers prior to Analysis												

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0611559

ClientID: RGAE

EDF

Fax

Email

HardCopy

ThirdParty

Report to:

Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #BRT14039; Brandywine Realty Trust
PO:

Bill to:

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT:

5 days

Date Received: 11/30/2006

Date Printed: 11/30/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0611559-001	I1113006	Water	11/30/06	<input type="checkbox"/>	A	C	B	B									
0611559-002	E1113006	Water	11/30/06	<input type="checkbox"/>	A	C	B	B									

Test Legend:

1	1664A_SG_W	2	624_W	3	METALS DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

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.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT14039; Brandywine Realty Trust	Date Sampled: 11/30/06
	Client Contact: Eric Olson	Date Received: 11/30/06
	Client P.O.:	Date Extracted: 12/02/06
		Date Analyzed: 12/02/06

Volatile Organics by P&T and GC/MS*

Extraction Method: E624

Analytical Method: E624

Work Order: 0611559

Lab ID	0611559-001C	0611559-002C			Reporting Limit for DF =1
Client ID	I1113006	E1113006			
Matrix	W	W			
DF	1	1			

Compound	Concentration				ug/kg	µg/L
	Benzene	ND	ND			NA
Ethylbenzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5

Surrogate Recoveries (%)

%SS1:	100	99		
%SS2:	95	95		
%SS3:	88	88		

Comments

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT14039; Brandywine Realty Trust	Date Sampled: 11/30/06
	Client Contact: Eric Olson	Date Received: 11/30/06
	Client P.O.:	Date Extracted: 11/30/06
		Date Analyzed: 12/01/06

Metals*

Extraction method E200.7

Analytical methods E200.7

Work Order: 0611559

Lab ID	Client ID	Matrix	Extraction	Chromium	Nickel	DF	% SS
001B	I1113006	W	DISS.	ND	5.4	1	N/A
002B	E1113006	W	DISS.	ND	6.4	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	5.0	5.0	µg/L
	S	TTLC	NA	NA	NA

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

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0611559

EPA Method E624		Extraction E624			BatchID: 24982			Spiked Sample ID: 0611559-002c				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	10	123	123	0	119	119	0	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	114	117	2.92	114	111	2.55	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	125	128	2.35	120	119	0.735	70 - 130	30	70 - 130	30
Toluene	ND	10	115	119	3.21	117	114	2.91	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	98.9	103	3.64	98.3	97	1.36	70 - 130	30	70 - 130	30
%SS1:	99	10	97	96	0.938	95	95	0	70 - 130	30	70 - 130	30
%SS2:	95	10	93	94	1.25	94	94	0	70 - 130	30	70 - 130	30
%SS3:	88	10	91	94	2.46	92	93	0.839	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24982 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	12/02/06	12/02/06 6:28 AM	0611559-002	11/30/06	12/02/06	12/02/06 7:12 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0611559

EPA Method E1664A		Extraction E1664A_SG				BatchID: 24984			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	97.7	95.2	2.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24984 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	11/30/06	12/01/06 3:08 PM	0611559-002	11/30/06	11/30/06	12/01/06 3:13 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0611559

EPA Method E200.7		Extraction E200.7				BatchID: 24814			Spiked Sample ID: 0611362-001G			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	ND	100	91	89	2.25	101	100	0.896	75 - 125	20	85 - 115	20
Nickel	5	100	89.8	88.4	1.44	103	99.5	3.72	75 - 125	20	85 - 115	20
%SS:	114	750	113	116	2.26	114	113	1.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 24814 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	11/30/06	12/01/06 5:06 PM	0611559-002	11/30/06	11/30/06	12/01/06 5:11 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT14039; Brandywine Realty Trust	Date Sampled: 12/18/06
		Date Received: 12/18/06
	Client Contact: Paul King	Date Reported: 12/22/06
	Client P.O.:	Date Completed: 12/22/06

WorkOrder: 0612378

December 22, 2006

Dear Paul:

Enclosed are:

- 1). the results of 2 analyzed samples from your **#BRT14039; Brandywine Realty Trust project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). 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. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



RGA Environmental, Inc.
 1466 - 66th St
 Emeryville, CA 94608
 510-658-4363
 510-834-0152 fax
 paul.king@rgaenv.com

RGA

CHAIN OF CUSTODY RECORD

16233
 21407039

PROJECT NUMBER: BRT14039			PROJECT NAME: Brandywine Realty Trust			NUMBER OF CONTAINERS	ANALYSIS(ES): EPA 1664 (HEM) EPA 200.7 (COU) EPA 1624 (BTEX)	PRESERVATIVE	REMARKS	
SAMPLED BY: (PRINTED AND SIGNATURE) Eric Olson [Signature]										
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION						
E1121806	12/18/06		Water			8	X	ICE	Normal Turnaround	
E1121806	"		"			8	X	"	"	
ICE: 14°		GOOD CONDITION		APPROPRIATE CONTAINERS		PRESERVED IN LAB				
HEAD SPACE ABSENT		DECHLORINATED IN LAB		VOAS		O&G		METALS OTHER		
RELINQUISHED BY: (SIGNATURE) [Signature]			DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]			TOTAL NO. OF SAMPLES (THIS SHIPMENT)	2	LABORATORY:
RELINQUISHED BY: (SIGNATURE) [Signature]			DATE	TIME	RECEIVED BY: (SIGNATURE) [Signature]			TOTAL NO. OF CONTAINERS (THIS SHIPMENT)	16	McCampbell Analytical
RELINQUISHED BY: (SIGNATURE) [Signature]			DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) [Signature]			LABORATORY CONTACT:	Angela Rydderus	LABORATORY PHONE NUMBER:
								SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO		
REMARKS: 40 ML VOAS + 12 Ambers preserved w/ ICE. Please Filter + preserve containers prior to Analysis										

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0612378

ClientID: RGAE

EDF

Fax

Email

HardCopy

ThirdParty

Report to:

Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email: paul.king@rgaenv.com
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #BRT14039; Brandywine Realty Trust
PO:

Bill to:

Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 12/18/2006

Date Printed: 12/18/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0612378-001	I1121806	Water	12/18/06	<input type="checkbox"/>	B	A	C	C									
0612378-002	E1121806	Water	12/18/06	<input type="checkbox"/>	B	A	C	C									

Test Legend:

1	1664A_SG_W	2	624_W	3	METALS DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

Prepared by: Nickole White

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.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT14039; Brandywine Realty Trust	Date Sampled: 12/18/06
	Client Contact: Paul King	Date Received: 12/18/06
	Client P.O.:	Date Extracted: 12/20/06
		Date Analyzed: 12/20/06

Volatile Organics by P&T and GC/MS*

Extraction Method: E624

Analytical Method: E624

Work Order: 0612378

Lab ID	0612378-001A	0612378-002A			Reporting Limit for DF =1	
Client ID	I1121806	E1121806				
Matrix	W	W				
DF	1	1				S

Compound	Concentration				ug/kg	ug/L
	Benzene	ND	ND			NA
Ethylbenzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5

Surrogate Recoveries (%)

%SS1:	107	108			
%SS2:	93	93			
%SS3:	94	95			

Comments

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0612378

EPA Method E200.7		Extraction E200.7				BatchID: 25175			Spiked Sample ID: 0612242-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	620	100	88.1	90.5	0.340	88	88	0	75 - 125	20	85 - 115	20
Nickel	ND	100	99.6	91.4	8.62	90.8	91.4	0.648	75 - 125	20	85 - 115	20
%SS:	95	750	100	99	0.630	99	99	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 25175 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612378-001	12/18/06	12/18/06	12/19/06 9:35 AM	0612378-002	12/18/06	12/18/06	12/19/06 9:40 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0612378

EPA Method E1664A		Extraction E1664A_SG				BatchID: 25254			Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30

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

NONE

BATCH 25254 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612378-001	12/18/06	12/18/06	12/19/06 3:04 PM	0612378-002	12/18/06	12/18/06	12/19/06 3:09 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.