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Alameda County
Environmental Health



ENVIRONMENTAL ENGINEERING, INC.
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September 15, 2009

Ms. Audrey Comeaux
East Bay Municipal Utility District
P. O. Box 24055
Oakland, CA 94623-1055

Re: 3820 Manila Avenue, Oakland, CA
Wastewater Discharge Permit No. 50638151

Dear Ms. Comeaux:

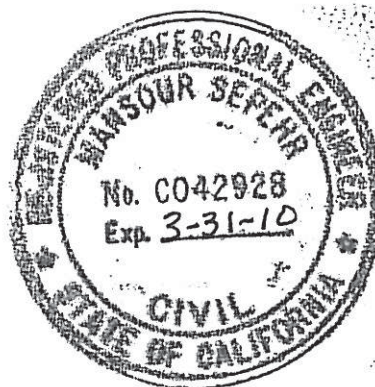
As you requested, enclosed is SOMA's "Technical Report Treatment System Discharge to EBMUD Sewer July 14, 2009 through September 10, 2009" for the subject permit. This report has been uploaded to the State's GeoTracker database.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 734-6400.

Sincerely,

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

Enclosure



cc: Mr. Jerry Wickham, Alameda County Dept. of Env. Health w/o enclosure
Mr. Albert M. Cohen, LOEB&LOEB LLP w/enclosure

**Technical Report
Treatment System Discharge to EBMUD Sewer
For Permit No. 50638151
July 14, 2009 through September 10, 2009**

**The Former Glovatorium Facility
3820 Manila Avenue
Oakland, California**

September 15, 2009

Project 2513

Prepared for:

**Loeb & Loeb LLP
10100 Santa Monica Boulevard, Suite 2200
Los Angeles, California 90067-4164**



ENVIRONMENTAL ENGINEERING, INC.

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Certification Statement

Stuart Depper
Name

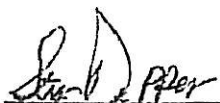
Responsible Party
Title

3820 Manila Avenue
Street Address

Oakland
City

94609
Zip

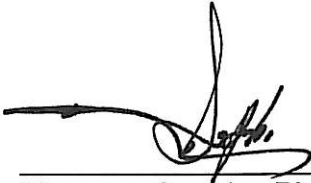
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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.


Signature

9-15-09
Date

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report for the Law Offices of Loeb & Loeb LLP, to comply with East Bay Municipal Utility District requirements for discharge of extracted and treated groundwater resulting from cleanup of groundwater using Multi-Phase Extraction technology.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist



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1. INTRODUCTION

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report for the Law Offices of Loeb & Loeb LLP on behalf of their client, the owners of the subject property. The property, the former Glovatorium, is located at 3820 Manila Avenue (formerly known as 3815 Broadway), Oakland, California.

This report presents a record of wastewater discharged from the remediation system located at 3815 Broadway, Oakland, California into the East Bay Municipal Utility District (EBMUD) sewer system for the reporting period of July 14, 2009 through September 10, 2009. The remediation system was operated by SOMA Environmental Engineering, Inc. (SOMA).

2. MULTI-PHASE EXTRACTION PILOT TESTING AND TREATMENT SYSTEM OPERATION

SOMA began discharging treated groundwater from operation of Multi-Phase Extraction (MPE) pilot testing into the EBMUD sewer system on September 15, 2008. The extraction was discontinued in October 2008. Therefore no discharge occurred between October 22, 2008 and December 17, 2008.

Extraction was resumed on December 17, 2008. During the reporting period of July 14, 2009 through September 10, 2009, approximately 14,776 gallons of groundwater were treated and discharged into the EBMUD sewer system during the MPE event. Treatment system did not operate from August 10, 2009 to August 13, 2009 due to the groundwater monitoring event being conducted on-site.

The groundwater extracted during the MPE was treated by the treatment system consisting of one 1000-lb granular activated carbon unit followed by one 55 gallon carbon polishing vessel. SOMA conducted regular system maintenance to ensure compliance with the EBMUD wastewater discharge permit. Most recent carbon change-out was conducted on both carbon units on May 8, 2009.

Table 1 shows the daily and total volume of effluent discharged into the EBMUD sewer system and laboratory analysis results of samples collected from effluent of the treatment system. Appendix A includes the log of totalizer readings as required by the discharge permit.

3. CONCLUSIONS

From July 14, 2009 through September 10, 2009, approximately 14,776 gallons of groundwater was treated and discharged into the on-site sewer main;

1. The permit specifies an allowable discharge rate of 100 gallons per minute or approximately 144,000 gallons per day. During the above mentioned reporting period, approximately 264 gallons/day were discharged to the site sewer main.
2. Therefore, based on the discharge flow rate, the remedial system has remained in compliance with the EBMUD permit conditions.

TABLE 1

Total Volume of Water Treated, Operational Data, and Effluent Analytical Results

Table 1
Total Volume of Water Treated, Operational Data,
and Laboratory Analytical Results for Effluent Samples
3820 Manila Ave, Oakland, California

Date	Effluent Totalizer Reading (gallons)	Lab Results and for Effluent Samples and Operation of Treatment System													
		2-Butanone (ug/L)	Arsenic (ug/L)	Chromium (ug/L)	Copper (ug/L)	Iron (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Silver (ug/L)	Zinc (ug/L)	Total Oil & Grease (HEM) (ug/L)	COD (ug/L)	TSS (ug/L)	pH
9/15/2008	1,010	Started discharging to EBMUD Sewer													
9/16/2008	1,312	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/17/2008	1,417	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/18/2008	1,582	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/19/2008	2,071	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/22/2008	2,327	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/23/2008	2,440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/9/2008	2,490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/13/2008	2,490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/14/2008	3,178	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/15/2008	3,378	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/16/2008	3,568	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/17/2008	3,842	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/20/2008	3,894	36	1.9	<1.0	<1.0	<50	<1.0	3.1	<1.0	<1.0	5.2	<4.7	NA	NA	7.6
10/22/2008	3,904	Discharge to EBMUD sewer system discontinued													
12/17/2008	3,904	Discharge to EBMUD sewer system resumed													
12/18/2008	4,461	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/19/2008	4,620	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/22/2008	4,620	No discharge on Dec 20 and 21, 2008													
12/29/2008	4,640	No discharge from Dec 23 to Dec 28, 2008													
12/30/2008	5,414	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/31/2008	5,632	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Date	Effluent	Lab Results and for Effluent Samples and Operation of Treatment System													
	Totalizer Reading (gallons)	2-Butanone (ug/L)	Arsenic (ug/L)	Chromium (ug/L)	Copper (ug/L)	Iron (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Silver (ug/L)	Zinc (ug/L)	Total Oil & Grease (HEM) (ug/L)	COD (ug/L)	TSS (ug/L)	pH
		No discharge from Jan 1 to Jan 4 , 2009													
1/5/2009	5,632	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/6/2009	6,374	<50	5.5	15	5.6	430	<1.0	<0.20	1.6	<1.0	5.3	4,910	NA	NA	7.1
1/7/2009	6,988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/8/2009	7,988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/9/2009	8,299	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/12/2009	9,025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/13/2009	9,029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/14/2009	9,029	System shut down and remained off overnight													
1/16/2009	9,195	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/19/2009	9,242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/20/2009	9,570	System down upon arrival and restarted shortly after inspection													
1/21/2009	10,075	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/26/2009	10,299	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/27/2009	10,805	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/28/2009	12,517	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/29/2009	13,373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/30/2009	14,313	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/2/2009	14,992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/3/2009	15,962	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/4/2009	15,989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/5/2009	15,989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/13/2009	16,213	Installed new transfer pump motor on 2/16/09													
2/19/2009	18,332	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/20/2009	19,272	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/24/2009	21,299	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/27/2009	21,387	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/28/2009	21,595	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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3/9/2009	27,066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/10/2009	27,863	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/11/2009	29,562	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/12/2009	31,885	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/13/2009	31,944	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/16/2009	33,184	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/17/2009	33,298	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/18/2009	33,471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/19/2009	35,947	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/20/2009	36,472	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/23/2009	38,962	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/2009	40,307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/25/2009	40,396	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/26/2009	42,445	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/27/2009	43,427	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/30/2009	43,457	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/31/2009	45,845	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/1/2009	46,532	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/2/2009	46,589	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/3/2009	47,758	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/6/2009	50,877	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/7/2009	52,058	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/8/2009	52,507	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/13/2009	53,805	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/14/2009	54,061	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/15/2009	54,271	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	Totalizer Reading (gallons)	2-Butanone (ug/L)	Arsenic (ug/L)	Chromium (ug/L)	Copper (ug/L)	Iron (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Silver (ug/L)	Zinc (ug/L)	Total Oil & Grease (HEM) (ug/L)	COD (ug/L)	TSS (ug/L)	pH
4/16/2009	54,457	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/17/2009	54,665	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/20/2009	55,381	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/21/2009	55,603	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/22/2009	55,803	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/23/2009	55,997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/24/2009	56,224	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/27/2009	56,839	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/28/2009	57,046	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/29/2009	57,258	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/30/2009	57,454	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/1/2009	57,623	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/7/2009	59,779	5/4-5/6 System shut down for on-site soil investigation													
5/8/2009	59,779	Carbon change-out of 1000 lb liquid phase vessel and 55 gal. polishing vessel													
5/11/2009	63,401	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/12/2009	64,127	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/13/2009	64,858	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/14/2009	65,801	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/15/2009	66,591	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/18/2009	68,048	System shut down from 5/18/09 to 5/21/09 for installation of new extraction wells													
5/21/2009	68,084	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/22/2009	69,117	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/26/2009	70,161	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/27/2009	71,792	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/28/2009	73,061	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/29/2009	74,601	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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6/1/2009	76,684	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/2/2009	77,310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/3/2009	77,793	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/4/2009	78,087	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/5/2009	78,477	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/8/2009	79,507	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/9/2009	79,652	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/10/2009	79,822	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/12/2009	80,166	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/15/2009	80,298	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/16/2009	80,431	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/17/2009	80,526	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/18/2009	80,622	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2009	80,642	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/22/2009	80,869	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/2009	81,095	Totalizer site glass broke/ Replaced totalizer on 6/24													
6/25/2009	82,095	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/26/2009	82,845	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2009	84,495	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/30/2009	84,995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Date	Effluent	Lab Results and for Effluent Samples and Operation of Treatment System													
	Totalizer Reading (gallons)	2-Butanone (ug/L)	Arsenic (ug/L)	Chromium (ug/L)	Copper (ug/L)	Iron (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Silver (ug/L)	Zinc (ug/L)	Total Oil & Grease (HEM) (ug/L)	COD (ug/L)	TSS (ug/L)	pH
7/1/2009	85,475	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/2/2009	85,808	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/3/2009	85,968	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/6/2009	86,225	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/7/2009	86,365	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/8/2009	86,425	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/9/2009	86,525	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/10/2009	86,615	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/13/2009	86,853	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/14/2009	87,485	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/15/2009	88,161	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/2009	88,624	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/17/2009	89,040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/20/2009	89,295	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/21/2009	89,741	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/22/2009	90,452	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/23/2009	91,032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/24/2009	91,565	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/27/2009	92,965	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/28/2009	93,441	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/29/2009	93,523	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/30/2009	93,571	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/31/2009	94,397	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Total Volume of Water Treated, Operational Data,
and Laboratory Analytical Results for Effluent Samples
3820 Manila Ave, Oakland, California

Date	Effluent	Lab Results and for Effluent Samples and Operation of Treatment System													
	Totalizer Reading (gallons)	2-Butanone (ug/L)	Arsenic (ug/L)	Chromium (ug/L)	Copper (ug/L)	Iron (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Silver (ug/L)	Zinc (ug/L)	Total Oil & Grease (HEM) (ug/L)	COD (ug/L)	TSS (ug/L)	pH
8/3/2009	95,522	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/4/2009	96,027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/5/2009	96,587	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/6/2009	97,203	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/7/2009	97,639	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/10/2009	98,549	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/14/2009	98,620	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<5	7
8/17/2009	99,026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/18/2009	99,149	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/19/2009	99,380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/20/2009	99,433	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/21/2009	99,478	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/24/2009	99,607	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/25/2009	99,677	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/26/2009	99,726	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/27/2009	99,854	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/28/2009	100,067	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/31/2009	100,465	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/1/2009	100,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/2/2009	100,737	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/3/2009	100,778	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/4/2009	100,943	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/8/2009	101,425	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/10/2009	101,629	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Discharge Limits (ug/L)		100,000	2,000	1,000	5,000	100,000	2,000	50	5,000	1,000	5,000	100,000	NA	NA	>5.5

Notes:

ND, < : Not Detected above laboratory reporting limits

NA: Not Analyzed

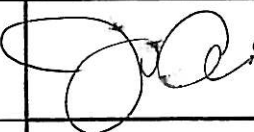

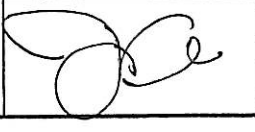


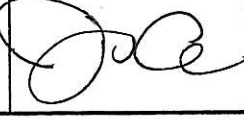
Y: Sample exhibits fuel pattern which does not resemble standard

APPENDIX A

Log of Totalizer Readings

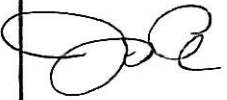
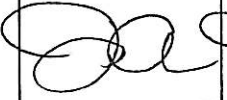




O & M Log
3815 Broadway, Oakland

O&M Checklist

	7/14/9 @ 1530	7/15/9 @ 1330	7/16/9 @ 0930	7/17/9 @ 1330	7/20/9 @ 1530	7/21/9 @ 0930
Date & Time						
Record Totalizer Reading	87,485	88,161	88,624	89,040	89,295	89,741
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	no	no	no.	no	no	no
Signature (Site Manager)						
Notes:						







O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	7/22/9 @ 0930	7/23/9 @ 1130	7/24/9 @ 1530	7/27/9 @ 1230	7/28/9 @ 1330	7/29/9 @ 1400
Record Totalizer Reading	90,452	91,032	91,565	92,965	93,441	93,523
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	no	no	no.	no	no	no
Signature (Site Manager)						
Notes:						

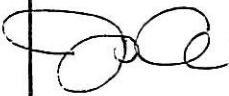





O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	7/30/9 @ 1000	7/31/9 @ 1300	8/3/9 @ 1400	8/4/9 @ 1000	8/5/9 @ 1530	8/6/9 @ 1300
Record Totalizer Reading	93,571	94,397	95,522	96,027	96,587	97,203
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:	<div style="border: 1px solid black; height: 150px; width: 100%;"></div>					

O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	8/7/09 @ 1400	8/10/09 @ 1400	8/14/09 @ 1030	8/17/09 @ 1300	8/18/09 @ 1400	8/19/09 @ 1600
Record Totalizer Reading	97,639	98,549	98,620	99,026	99,149	99,380
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:	Treatment System Shutdown for GW monitoring from on 8/10/09. Restarted on 8/14/09.					


O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	8/20/09 @ 1230	8/21/09 @ 1330	8/24/09 @ 1700	8/25/09 @ 1500	8/26/09 @ 1400	8/27/09 @ 1300
Record Totalizer Reading	99,433	99,478	99,607	99,677	99,726	99,854
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	No	No	No	No	No	No
Signature (Site Manager)						
Notes:	<hr/> <hr/> <hr/> <hr/> <hr/>					

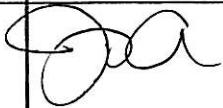
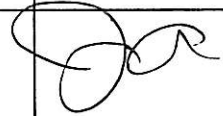
O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	8/28/09 @ 1200	8/31/09 @ 1700	9/1/09 @ 1700	9/2/09 @ 1530	9/3/09 @ 1700	9/4/09 @ 1200
Record Totalizer Reading	100,067	100,465	100,600	100,737	100,778	100,943
Check for water leaks in system	✓	✓	✓	✓	✓	✓
Carbon change-out performed	No	No	No	No	No	No
Signature (Site Manager)						
Notes:						

O & M Log
3815 Broadway, Oakland

O&M Checklist

Date & Time	9/8/09 @ 1300	9/10/09 @ 1330				
Record Totalizer Reading	101,425	101,629				
Check for water leaks in system	✓	✓				
Carbon change-out performed	No	No				
Signature (Site Manager)						
Notes:	<hr/> <hr/> <hr/> <hr/> <hr/>					