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Alameda County  
Environmental Health

**SOMA**  
ENVIRONMENTAL ENGINEERING, INC.  
6620 Owens Drive, Suite A • Pleasanton, CA 94588  
TEL (925)734-6400 • FAX (925)734-6401  
www.somaenv.com

July 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:

Enclosed is SOMA's "Technical Report Treatment System Discharge to EBMUD Sewer May 13-July 13, 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  
May 13, 2009 through July 13, 2009**

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

**July 15, 2009**

**Project 2513**

**Prepared for:**

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



**ENVIRONMENTAL ENGINEERING, INC.**

6620 Owens Drive Suite A Pleasanton CA 94588 Ph: 925.734.6400 F: 925.734-6401 [www.somaenv.com](http://www.somaenv.com)

## Certification Statement

Stuart Depper  
Name


Responsible Party  
Title

3820 Manila Avenue  
Street Address

Oakland  
City

94609  
Zip

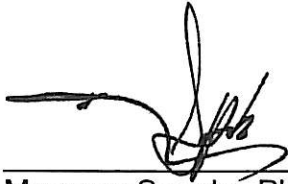
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

7-15-09  
Date

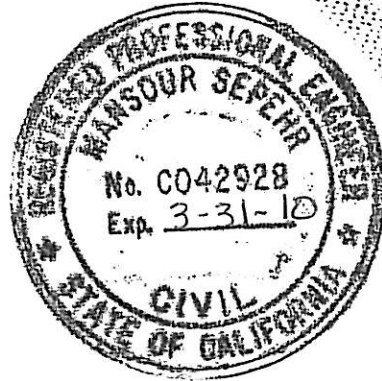
## CERTIFICATION

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.



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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 May 13, 2009 through July 13, 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 May 13, 2009 through July 13, 2009, approximately 22,726 gallons of groundwater were treated and discharged into the EBMUD sewer system during the MPE event. Treatment system did not operate from May 18, 2009 to May 21, 2009 due to the installation of new extraction wells on the 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. 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 May 13, 2009 through July 13, 2009, approximately 22,726 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 392 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**  
**3815 Broadway, 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)	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
9/17/2008	1,417	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
9/19/2008	2,071	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
9/23/2008	2,440	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
10/13/2008	2,490	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
10/15/2008	3,378	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
10/17/2008	3,842	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>10/20/2008</b>	<b>3,894</b>	<b>36</b>	<b>1.9</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;50</b>	<b>&lt;1.0</b>	<b>3.1</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>5.2</b>	<b>&lt;4.7</b>	<b>7.6</b>
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
12/19/2008	4,620	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
12/31/2008	5,632	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**  
**3815 Broadway, 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)	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
<b>1/6/2009</b>	<b>6,374</b>	<b>&lt;50</b>	<b>5.5</b>	<b>15</b>	<b>5.6</b>	<b>430</b>	<b>&lt;1.0</b>	<b>&lt;0.20</b>	<b>1.6</b>	<b>&lt;1.0</b>	<b>5.3</b>	<b>4,910</b>	<b>7.1</b>
1/7/2009	6,988	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
1/9/2009	8,299	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
1/13/2009	9,029	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
1/19/2009	9,242	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
1/26/2009	10,299	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
1/28/2009	12,517	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
1/30/2009	14,313	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
2/3/2009	15,962	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
2/5/2009	15,989	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
2/20/2009	19,272	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
2/27/2009	21,387	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

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3/9/2009	27,066	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
3/11/2009	29,562	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
3/13/2009	31,944	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
3/17/2009	33,298	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
3/19/2009	35,947	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
3/23/2009	38,962	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
3/25/2009	40,396	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
3/27/2009	43,427	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
3/31/2009	45,845	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
4/2/2009	46,589	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
4/6/2009	50,877	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
4/8/2009	52,507	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
4/14/2009	54,061	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

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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)	pH
4/16/2009	54,457	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
4/20/2009	55,381	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
4/22/2009	55,803	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
4/24/2009	56,224	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
4/28/2009	57,046	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
4/30/2009	57,454	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
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
5/12/2009	64,127	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
5/14/2009	65,801	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
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
5/22/2009	69,117	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
5/27/2009	71,792	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
5/29/2009	74,601	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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**3815 Broadway, Oakland, California**

	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)	pH
Date	(gallons)												
6/1/2009	76,684	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
6/3/2009	77,793	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
6/5/2009	78,477	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
6/9/2009	79,652	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
6/12/2009	80,166	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
6/16/2009	80,431	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
6/18/2009	80,622	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
6/22/2009	80,869	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
6/26/2009	82,845	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
6/30/2009	84,995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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**3815 Broadway, Oakland, California**

Effluent		Lab Results and for Effluent Samples and Operation of Treatment System											
	Totalizer Reading	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)	pH
Date	(gallons)												
7/1/2009	85,475	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
7/3/2009	85,968	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
7/7/2009	86,365	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
7/9/2009	86,525	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
7/13/2009	86,853	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Discharge Limits (ug/L)</b>		<b>100,000</b>	<b>2,000</b>	<b>1,000</b>	<b>5,000</b>	<b>100,000</b>	<b>2,000</b>	<b>50</b>	<b>5,000</b>	<b>1,000</b>	<b>5,000</b>	<b>100,000</b>	<b>&gt;5.5</b>

Notes:

ND, < : Not Detected above laboratory reporting limits

NA: Not Analyzed



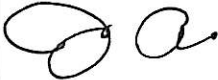


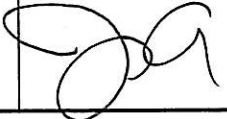
Y: Sample exhibits fuel pattern which does not resemble standard

# **APPENDIX A**

## **Log of Totalizer Readings**

**O & M Log**  
3815 Broadway, Oakland







**O&M Checklist**

	5/13/9 @ 1430	5/14/9 @ 1230	5/15/9 @ 1300	5/18/9 @ 0830	5/21/9 @ 1600	5/22/9 @ 1500
Date & Time						
Record Totalizer Reading	64,858	65,801	66,591	68,048	68,084	69,117
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:	5-18 to 5-21 system shut down to install new extraction wells					



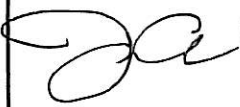





**O & M Log**  
3815 Broadway, Oakland

**O&M Checklist**

Date & Time	5/26/19 @ 1200	5/27/19 @ 1200	5/28/19 @ 1200	5/29/19 @ 1200	6/1/19 @ 1430	6/2/19 @ 1130
Record Totalizer Reading	70,161	71,792	73,061	74,601	76,684	77,310
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:						

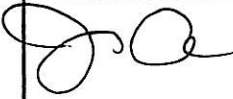
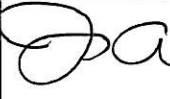


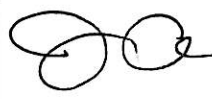
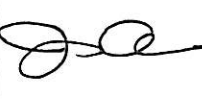
**O & M Log**  
**3815 Broadway, Oakland**

**O&M Checklist**

Date & Time	6/3/9 @ 1130	6/4/9 @ 6730	6/5/9 @ 1200	6/8/9 @ 1400	6/9/9 @ 1400	6/10/9 @ 1500
Record Totalizer Reading	77,793	78,087	78,477	79,567	79,652	79,827
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>					

**O & M Log**  
 3815 Broadway, Oakland

**O&M Checklist**

Date & Time	6/12/9 @ 1200	6/15/9 @ 0700	6/16/9 @ 0700	6/17/9 @ 1100	6/18/9 @ 1200	6/19/9 @ 1130
Record Totalizer Reading	80,166	80,298	80,431	80,526	80,622	80,642
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>					


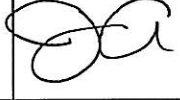




**O & M Log**  
3815 Broadway, Oakland

**O&M Checklist**

	6/22/9 @ 1100	6/23/9 @ 1030	6/25/9 @ 0930	6/26/9 @ 1330	6/29/9 @ 1430	6/30/9 @ 1430
Date & Time						
Record Totalizer Reading	80,869	81,095	82,095	82,845	84,495	84,995
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)	<i>Ja</i>	<i>Jc</i>	<i>Ja</i>	<i>Ja</i>	<i>Jc</i>	<i>Ja</i>
Notes:	6/23 - totalizer site glass broken					
	6/24 - replace totalizer					


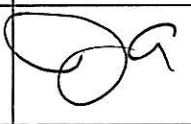

**O & M Log**  
3815 Broadway, Oakland

**O&M Checklist**

	7/1/9 @ 1500	7/2/9 @ 0930	7/3/9 @ 1200	7/6/9 @ 1030	7/7/9 @ 1400	7/8/9 @ 1030
Date & Time						
Record Totalizer Reading	85,475	85,808	85,968	86,225	86,365	86,425
Check for water leaks in system	none	none	none	none	none	none
Carbon change-out performed	no	no	no	no	no	no
Signature (Site Manager)						
Notes:						

**O & M Log**  
3815 Broadway, Oakland

**O&M Checklist**

	7/9/9 @ 1700	7/10/9 @ 1530	7/13/9 @ 1030			
Date & Time						
Record Totalizer Reading	86,525	86,615	86,853			
Check for water leaks in system	None	None	None			
Carbon change-out performed	<del>no</del> no	no	no			
Signature (Site Manager)						
Notes:						