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**Fourth Quarter 2014 Periodic Compliance Report  
East Bay Municipal Utility District  
Special Discharge Permit No. 05928020**

**2844 Mountain Blvd.,  
Oakland, California**

**January 21, 2015**

**Project 5084**

**Prepared for**

**Tejindar Singh  
6400 Dublin Blvd.  
Dublin, California, 94568**



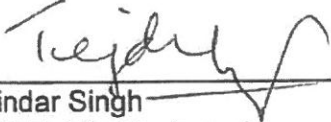
ENVIRONMENTAL ENGINEERING, INC.

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PERJURY STATEMENT

Site Location: 2844 Mountain Boulevard, Oakland, California

"I declare under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge".



Tejinder Singh  
6400 Dublin Boulevard  
Dublin, California 94568  
Responsible Party

## Certification Statement

Mansour Sepehr  
**Name**

President  
**Title**

6620 Owens Dr., Suite A  
**Street Address**

Pleasanton  
**City**

94588  
**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

11/21/2015  
\_\_\_\_\_  
Date



January 21, 2015

Ms. Laurice Brown  
Wastewater Environmental Services Division  
East Bay Municipal Utility District  
375-11<sup>th</sup> Street  
Oakland, California 94607

Re: Fourth Quarter 2014 Periodic Compliance Report  
Special Discharge Permit # 05928020  
2844 Mountain Blvd, Oakland, California

Dear Ms. Brown:

This report fulfills quarterly requirements established by EBMUD for discharge of groundwater to the sewer main at the above-referenced site for the reporting period of October 1, 2014 through December 31, 2014.

In April 2013, SOMA received approval from San Francisco Bay Regional Water Quality Control Board (RWQCB) to conduct multi-phase extraction (MPE) pilot testing at the site. MPE pilot test utilized on-site groundwater monitoring and remediation wells to extract contaminated soil vapor and groundwater, treat it and discharge to the sewer. EBMUD issued a Special Discharge Permit (SDP) upon SOMA's request, effective August 4, 2013. This permit has recently been renewed, effective May 17, 2014.

The MPE pilot test was conducted at the site from December 2 through 16, 2013. Based on results of this pilot test, another MPE event was conducted from September 17, 2014 through November 5, 2014. On previous reporting date (September 30, 2014) the flow totalizer reading was 1,394 gallons and on last day of discharge (November 5, 2014) the totalizer reading was 6,286 gallons. No discharge occurred for the rest of the reporting period. Therefore, during this reporting period, approximately **4,892 gallons** of groundwater was extracted, treated, and discharged to the site sewer. Discharge logs are attached in Appendix A.

The extracted groundwater is treated through a treatment system consisting of two 55 gallon granular activated carbon (GAC) vessels connected in series. Each GAC vessel is filled with 200 lb of coconut husk charcoal. Treated groundwater is then discharged to the EBMUD sewer system. SOMA field crew ensured

compliance with the EBMUD wastewater discharge permit throughout the duration of this event.

As mentioned above, the MPE system was shut down on November 5, 2014 and hence no discharge has occurred at the site since that date. If any further MPE events occur at the site, SOMA will inform the EBMUD staff in advance. Similar to SOMA's past practices, all discharge will be totalized and operation and maintenance logs will be maintained and submitted to EBMUD as required in the SDP conditions.

If you have any questions or comments, please do not hesitate to call me at (925) 734-6400.

Sincerely,



Mansour Sepehr, PhD, PE  
Principal Hydrogeologist

cc: Tejindar Singh



# **Appendix A**

## **Discharge Logs**

## 2844 Mountain Blvd., Oakland

## Date &amp; Time of Operation and Maintenance

	10/1/2014	10/2/2014	10/3/2014	10/6/2014	10/7/2014
Date	10/1/2014	10/2/2014	10/3/2014	10/6/2014	10/7/2014
Time	1400	1000	1000	0900	0900
Record Totalizer Reading (gallons)	1,544	1,701	2,000	2,125	2,332
Check for leaks throughout system	None	None	None	None	None
MPE event	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
Initials	Rueli RM	Rueli RM	Rueli RM	Rueli RM	Rueli RM
Notes	MPE event ongoing. Totalizer on 9/30/14: 1,394		System shut down @ 1700 hrs for weekend	System restart @ 0830	

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Date & Time of Operation and Maintenance

	10/8/2014	10/9/2014	10/10/2014	10/13/2014	10/14/2014
Date	10/8/2014	10/9/2014	10/10/2014	10/13/2014	10/14/2014
Time	0900	0900	1000	1100	1100
Record Totalizer Reading (gallons)	2,640	2,858	2,932	3,047	3,119
Check for leaks throughout system	None	None	None	None	None
MPE event	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
Initials	Rueli: RM	Rueli: RM	Rueli: RM	Rueli: RM	Rueli: RM
Notes			System shut down for the weekend.	MPE system restarted.	



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Date & Time of Operation and Maintenance

	10/15/2014	10/16/2014	10/17/2014	10/20/2014	10/21/2014
Date	10/15/2014	10/16/2014	10/17/2014	10/20/2014	10/21/2014
Time	0900	0900	1000	0900	0900
Record Totalizer Reading (gallons)	3,403	3,494	3,887	3,902	4,040
Check for leaks throughout system	None	None	None	None	None
MPE event	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
Initials	Kuli RM	RM	RM	RM	RM
Notes			System shut down @ 1700 hrs for the weekend	MPE system restart	

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Date & Time of Operation and Maintenance

	10/22/2014	10/23/2014	10/24/2014	10/27/2014	10/28/2014
Date	10/22/2014	10/23/2014	10/24/2014	10/27/2014	10/28/2014
Time	0900	1000	0900	1000	0900
Record Totalizer Reading (gallons)	4,165	4,524	4,794	4,903	5,134
Check for leaks throughout system	None	None	None	None	None
MPE event	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing
Initials	Rm	Rm	Rm	Rm	Rm
Notes			System shut down @ 1700 hrs for weekend	MPE system restart	

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Date & Time of Operation and Maintenance

	10/29/2014	10/30/2014	11/3/2014	11/4/2014	11/5/2014
Date	10/29/2014	10/30/2014	11/3/2014	11/4/2014	11/5/2014
Time	1000	0900	0900	0900	0900
Record Totalizer Reading	5,375	5,450	5,628	5,946	6,286
Check for leaks throughout system	None	None	None	None	None
MPE event	Ongoing	Ongoing	Ongoing	Ongoing	<del>Ongoing</del> End
Initials	Rm	Rm	Rm	Rm	Rm
Notes		Shut down for weekend @ 1700 hrs	Restart MPE system		System shut down.