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**Semi-Annual Self-Monitoring Report
Oro Loma Sanitary District
Special Wastewater Discharge Permit No. SDP-2014100**

**15101 Freedom Avenue
San Leandro, California**

December 20, 2016

Project 2554

Prepared for

**Mr. Mohammad Pazdel
1770 Pistacia Court
Fairfield, California**




ENVIRONMENTAL ENGINEERING, INC.

6620 Owens Drive Suite A Pleasanton CA 94588 Ph: 925.734.6400 F: 925.734-6401 www.somaenv.com

PERJURY STATEMENT

Site Location: 15101 Freedom Avenue, San Leandro, 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".


Mohammad Pazdel
1770 Pistacia Court
Fairfield, California 94533
Responsible Party

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of Mr. Mohammad Pazdel for the property located at 15101 Freedom Avenue, San Leandro, California, to comply with Oro Loma Sanitary District Special Wastewater Discharge Permit requirements.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist



December 20, 2016

Mr. Rodney Smith
Oro Loma Sanitary District
2655 Grant Avenue
San Lorenzo, California 94580

Re: Oro Loma Sanitary District
Special Wastewater Discharge Permit # SDP-2014100
15101 Freedom Ave, San Leandro, California

Dear Mr. Smith:

This report fulfills quarterly requirements established by Oro Loma Sanitary District for discharge of groundwater to the sewer main at the above-referenced site.

Operation of the Groundwater Treatment System

SOMA received approval from Oro Loma Sanitary District to begin discharging treated groundwater into the on-site sewer main on May 4, 2009. This permit was recently renewed, effective May 5, 2016. A copy of Discharge Permit Number SDP-2016100, is attached as Appendix A. The groundwater extraction and treatment system (GWETS) started operation on December 9, 2009. The GWETS treats groundwater extracted from the extraction wells EX-1 and EX-2 and also during the multi-phase extraction (MPE) events.

The treatment system was shut down on March 7, 2016. During the current reporting period, the system operated from August 2, 2016 to August 5, 2016 and on September 22, 2016 to process the groundwater generated during the MPE event (August 2016) and groundwater monitoring event (September 2016), respectively. After operating for a very short duration on September 22, 2016, the system was shut down again and remains offline since then.

The extracted groundwater is treated through two units of granular activated carbon (GAC). The first unit is a 1,000 gallon tank filled with 2,000 lb of coconut husk charcoal. The second unit, connected in series, is a 55 gallon tank filled with 200 lb of coconut husk charcoal. The second unit is also called polishing unit. This unit is periodically replaced for appropriate maintenance.

Since the startup of treatment system, approximately 3,973,473 gallons of extracted groundwater has been treated and discharged (as of September 22, 2016) through the remedial system to the site sewer main. The amount of groundwater discharged to date includes groundwater extracted during the MPE events.

The first week sampling was conducted on October 8, 2009 upon startup of the treatment system. Since then, monthly sampling of the treatment system effluent has been conducted during the months of operation, as required by the discharge permit. All effluent concentrations have been within the permissible discharge limits during this reporting period. Table 1 summarizes the laboratory analysis results for the current and previous reporting periods.

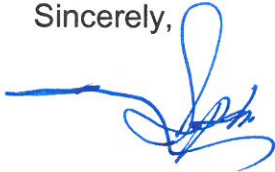
Future Projected Issues

Upon resuming operation of the treatment system, SOMA will implement the following action items.

- Continuing regular maintenance and monitoring of the remedial system.
- Periodic carbon change-outs based on system concentration levels.

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: Mr. Mohammad Pazdel

TABLE

Table 1
Effluent Chemical Analytical Results
and Operational History of Remediation System
15101 Freedom Ave, San Leandro, CA

Date	Volume (gallons)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	COD (mg/L)	TSS (mg/L)	pH
2009											
8-Oct-2009	15,351	<50	120 ^Y	NA	NA	NA	NA	NA	NA	NA	NA
19-Nov-2009	8,287	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.7
9-Dec-2009	0	Installation of GWETS									
16-Dec-2009	20,000	<50	<50	<300	<0.5	0.65 C	<0.5	0.84 C	<10	<5	7.4
2010											
18-Jan-2010	215,453	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.4
15-Feb-2010	297,560	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	11	<5	6.7
15-Mar-2010	475,245	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5.0	6.5
19-Apr-2010	621,180	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.6
17-May-2010	705,770	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.7
16-Jun-2010	825,200	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	17	9	6.8
19-Jul-2010	910,652	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.6
16-Aug-2010	939,935	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6
28-Sep-2010	970,450	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	10	6.8
26-Oct-2010	1,013,700	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.2
15-Nov-2010	1,052,591	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.5
7-Dec-2010	1,100,492	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6
2011											
11-Jan-2011	1,179,075	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	12	6	6.6
10-Feb-2011	1,249,569	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.6
14-Mar-2011	1,336,784	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.5
11-Apr-2011	1,364,272	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.5
10-May-2011	1,466,472	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	12	7	6.6
7-Jun-2011	1,532,263	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6

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28-Jul-2011	1,573,295	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	5	6.3
25-Aug-2011	1,613,935	77	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.1
23-Sep-2011	1,631,273	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.7
27-Oct-2011	1,642,277	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	7	7.1
18-Nov-2011	1,676,170	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.8
1-Dec-2011	1,694,889	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.97
2012											
19-Jan-2012	1,715,163	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.02
23-Feb-2012	1,794,185	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.98
20-Mar-2012	1,803,832	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	7	7.02
17-Apr-2012	1,876,439	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.95
29-May-2012	1,900,111	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.89
11-Jun-2012	1,914,130	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	7.1
12-Jul-2012	1,943,456	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	7.3
17-Aug-2012	1,955,438	<50	<52	<310	<0.5	<0.5	<0.5	<0.5	NA	NA	7.04
17-Sep-2012	1,979,852	<50	<54	<330	<0.5	<0.5	<0.5	<0.5	NA	NA	7.02
23-Oct-2012	1,989,022	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.95
12-Nov-2012	1,995,170	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.90
4-Dec-2012	2,024,040	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.86
2013											
7-Jan-2013	2,099,002	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	7.01
14-Feb-2013	2,186,595	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	7.08
14-Mar-2013	2,193,121	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.98
12-Apr-2013	2,198,793	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.83
10-Jun-2013	2,273,686	<50	<58	<350	<0.5	<0.5	<0.5	<0.5	NA	NA	6.91

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5-Jul-2013	2,282,444	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.87
15-Aug-2013	2,403,250	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.64
24-Sep-2013	2,449,583	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.59
28-Oct-2013	2,551,538	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.71
14-Nov-2013	2,665,016	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.53
6-Dec-2013	2,770,675	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.44
2014											
9-Jan-2014	2,884,292	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.49
18-Feb-2014	2,953,173	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.66
14-Mar-2014	2,977,698	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.58
17-Apr-2014	3,035,679	89 Y	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.60
15-May-2014	3,054,723	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.19
16-Jun-2014	55-Gallon polishing drum replaced due to leak										
17-Jun-2014	3,070,826	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.74
21-Jul-2014	3,136,493	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.92
13-Aug-2014	3,229,086	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.50
9-Sep-2014	3,360,607	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.44
13-Oct-2014	3,431,247	<50	<49	<290	<0.5	<0.5	<0.5	<0.5	NA	NA	6.39
18-Nov-2014	3,504,809	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.51
8-Dec-2014	3,544,218	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.65
2015											
13-Jan-2015	3,560,504	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.44
9-Feb-2015	3,560,780	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.22
20-Mar-2015	3,560,801	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.38
15-Apr-2015	3,575,395	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.40
21-May-2015	3,577,714	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.29
4-Jun-2015	3,580,407	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.66
14-Jul-2015	3,629,420	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.34
18-Aug-2015	3,672,646	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.21
23-Sep-2015	3,708,165	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.32

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27-Oct-2015	3,753,333	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.50
19-Nov-2015	3,782,192	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.43
14-Dec-2015	3,829,993	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.63
2016											
12-Jan-2016	3,863,743	<50	<51	<310	<0.5	<0.5	<0.5	<0.5	NA	NA	6.39
5-Feb-2016	3,917,264	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.32
7-Mar-2016	3,972,753	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.82
4-Aug-2016	3,973,465	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.55
22-Sep-2016	3,973,478	<50	61 Y	<300	<0.5	<0.5	<0.5	<0.5	NA	NA	6.51

Note:
NA: Not Available/Not Applicable
< : Less than Laboratory-reporting limit
Y: Sample exhibits chromatographic pattern which does not resemble standard
In October and November 2009 discharge occurred only during MPE events
GWETS and totalizer installed in December 2009.
Week # 1 sampling conducted on Oct 8, 2009
C: Presence confirmed, but RPD between column exceeds 40%
Volume discharged during the October 2009 MPE event was 18,669 gallons
Volume discharged during the November 2009 MPE event was 10,507 gallons
Volume discharged during the December 2009 MPE event was 20,298 gallons
Volume discharged during the February 2010 MPE event was 6,339 gallons
Volume discharged during the March 2010 MPE event was 3,810 gallons
Volume discharged during the June 2010 MPE event was 15,600 gallons
Volume discharged during the August 2010 MPE event was 1,421 gallons
Volume discharged during the October 2010 MPE event was 13,282 gallons
SOMA ceased COD and TSS testing based on a request from OLSA dated April 5, 2012

APPENDIX A

Oro Loma Sanitary District Wastewater Discharge Permit

ORO LOMA SANITARY DISTRICT

WASTEWATER DISCHARGE PERMIT

Company Name: **SOMA ENVIRONMENTAL ENGINEERING INC.**

Mailing Address: **6620 Owens Drive, Suite A
Pleasanton, CA 94588**

Facility Address: **15101 Freedom Ave.
San Leandro, CA 94578**

Discharge Description: **Treated Contaminated Ground Water**

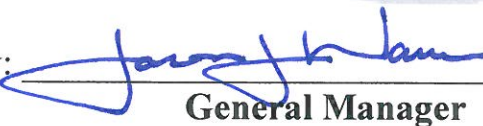
The above named company is authorized to discharge wastewater to the Oro Loma Sanitary District sewerage system subject to compliance with the District's Ordinance No. 39 (as amended) and any Federal or State regulations that apply, all permit conditions set forth in this permit, and payment of fees and charges when billed.

This permit is granted in accordance with the application filed on March 15, 2016 in the office of the Oro Loma Sanitary District and in conformity with specifications and information submitted to the District in support of the above referenced application.

Permit No.: **SDP-2016100** Effective Date: **May 5, 2016**

Expiration Date: **May 4, 2018**

Approved By: _____


General Manager

4/7/16

Date

PERMIT CONDITIONS

ADDENDUM

**Specific Special Conditions – Permit SDP-2016100, SOMA Engineering,
15101 Freedom Avenue San Leandro, CA site.**

1. **Discharge Point** The permittee is to discharge to the cleanout located at the remediation site.
2. **Sampling Point** The sampling point is located after the carbon media drum. A picture of the sampling point is included below.



End Addendum

**ORO LOMA SANITARY DISTRICT
PERMIT CONDITIONS – GROUNDWATER DISCHARGES**



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ORO LOMA SANITARY DISTRICT PERMIT CONDITIONS

PART I GENERAL

1. **Definitions** See Section 1.2 of OLSD Ordinance No. 39 (as amended).
2. **General** The user shall comply with all the general prohibitive discharge standards in Article II: Regulations of Ordinance No. 39.
3. **Right of Entry** Ready and immediate access to the facility, the pretreatment area and the sampling points shall be provided to District personnel at all times.
4. **Records Retention.** The user shall retain and preserve for no less than three (3) years any records, books, documents, memoranda, reports, correspondence and any and all summaries thereof, relating to monitoring, sampling and chemical analyses made by, or on behalf of the User in connection with its discharge. Records shall be made available for inspection and copying by representatives of the District, the California Regional Water Quality Control Board or the United States Environmental Protection Agency (E.P.A.). All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the District shall be retained and preserved by the User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.
5. **Confidential Information** Except for data determined to be confidential under the provisions of Ordinance No. 39, all reports required by this permit shall be available for public inspection at the District Office, 2600 Grant Avenue, San Lorenzo, California 94580.
6. **Time Schedules.** Time schedules for achieving compliance which are required through a notice of violation, administrative or judicial order, or any other written correspondence from the District are deemed to be a condition of the permit.
7. **Signatory Requirement.** All reports required by this permit shall be signed by an authorized representative of the permittee or his designee, as defined in Ordinance No. 39.
8. **Revocation of Permit.** The permit issued to the user by the District may be revoked when, after inspection, monitoring or analysis, it is determined that the discharge of wastewater to the sanitary sewer is in violation of Federal, State or local laws, ordinances, or regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form shall be cause for permit revocation.

ORO LOMA SANITARY DISTRICT PERMIT CONDITIONS

9. **Limitation of Permit Transfer.** Wastewater discharge permits are issued to a specific user for a specific operation and are not assignable to another user or transferable to any other location without the prior written approval of the District. Sale by a User shall obligate the purchaser to seek prior written approval of the District for continued discharge to the sewerage system and issuance of new permit.
10. **Falsifying Information or Tampering with Monitoring Equipment.** Knowingly making any false statement on any report or other document required by this permit, or knowingly rendering any monitoring device or method inaccurate may result in punishment in accordance with District Ordinance No. 39 or other applicable laws.
11. **Modification or Revision of the Permit.** The terms and conditions of this permit may be subject to modification by the District at any time as limitations or requirements as identified in the District Ordinance No. 39 are modified, or if other just cause exists.

This permit may also be modified to incorporate special conditions resulting from the issuance of a special order by an agency which regulates the District's discharge.

The terms and conditions may be modified as a result of Environmental Protection Agency promulgating a new federal pretreatment standard.

Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance, if necessary.

12. **Duty to Reapply** Within thirty (30) days of the notification, the user shall reapply for re-issuance of the permit on a form provided by the District.
13. **Severability** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provisions to other circumstances and the remainder of this permit shall not be affected thereby.
14. **Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Federal, State or Local regulations.
15. **Permit Duration** The wastewater discharge permit will remain in effect for **one year** from the effective date of the permit unless otherwise stated upon permit issuance. Users who are issued a wastewater discharge permit or renew a wastewater discharge permit shall pay the permit fee set forth in the current schedule of fees as adopted in the most current resolution for Sewer Service Charges for All Classes of Customers, currently Resolution number 3536.

**ORO LOMA SANITARY DISTRICT
PERMIT CONDITIONS**

**PART 2
DISCHARGE REQUIREMENTS**

1. Maintenance of Pretreatment Equipment and Monitoring Systems

- a. The waste treatment system shall be kept in a fully operational condition at all times. This includes maintaining adequate chemical supplies for treating wastewater, proper calibrations of all instrumentation (pH meters, etc.) and proper removal of sludges and unacceptable wastes. A qualified operator of the system shall be available to maintain the pretreatment system during all discharge periods.
- b. The District shall be notified immediately if there are problems with the pretreatment system. Any proposed modifications to the system or the processes for pretreating the wastewater must be reviewed and approved by the District's Source Control Staff prior to implementation.

2. Discharge Limitations.

- a. The wastewater discharge shall not contain constituents in excess of the following limits, and compliance with these units shall be demonstrated at the sampling location specified in Part 3 of this Permit.

<u>Parameter</u>	<u>Symbol</u>	<u>Limit for any one Sample</u>
Arsenic	As	0.8 mg/L
Cadmium	Cd	0.2 mg/L
Copper	Cu	1.9 mg/L
Cyanide	Cn	1.0 mg/L
Lead	Pb	1.0 mg/L
Mercury	Hg	0.01 mg/L
Nickel	Ni	1.0 mg/L
Selenium	Se	1.0 mg/L
Silver	Ag	0.8 mg/L
Total Chromium	Cr	2.0 mg/L
Zinc	Zn	3.0 mg/L
Phenolic compounds		70 mg/L
Oil and Grease (Mineral)		100 mg/L
Oil and Grease (Animal/Vegetable)		300 mg/L
pH		5.5 to 12.5 units
Temperature		No higher than 150 deg. F

ORO LOMA SANITARY DISTRICT PERMIT CONDITIONS

Discharge Limitations

- b) The permittee shall comply with all limits, prohibitions and requirements set forth in this permit and in Ordinance No. 39. Wastewater strength limits for constituents not listed above may be established based upon available treatment technology, existing wastewater conditions in the District's facilities or other factors as determined by the District.
- c) Should Federal Categorical Standards for a particular industrial category be more stringent than the limits set forth in this permit or ordinance, the more stringent Federal limits shall apply.

3. Dilution or Bypassing

No user shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit. User shall not divert their waste streams from the pretreatment systems.

4. Proper Disposal of Pretreatment Sludges and Spent Chemicals

The disposal of sludges and spent chemicals generated shall be done in accordance with all applicable State and Federal regulations. Copies of all Hazardous Wastes Manifests shall be maintained as part of the Records Retention Requirement Section 4.8 of Ordinance No. 39.

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PART 3 REPORTING REQUIREMENTS

1. **Notice to Employees** In order that employees of user be informed of District requirements, users shall make available to their employees, copies of the Districts Discharge Regulations together with other wastewater information and notices which may be furnished by the District. User shall permanently post a notice advising employees whom to call in case of spill or accidental discharge. This notice shall be posted in a prominent place.
2. **Accidental Spills or Slug Discharge** The District is requiring Accidental Spill/ Slug Discharge Control Plans for all significant industrial users as outlined in Ordinance No. 39 Section 2.12. The accidental spill/ slug discharge control plan shall contain, at a minimum the following elements: (A) Description of discharge practices, including non-routine batch discharges; (B) Description of stored chemicals; (C) Procedures for immediately notifying the District of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5(b), with procedures for formal written notification discussing circumstances and remedies shall be submitted to the District within five days of the occurrence; (D) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and / or measures and equipment for emergency response.
3. **Notification of Unanticipated Bypass** The District must be notified within 24 hours from the time of becoming aware of any unanticipated bypass that exceeds applicable pretreatment standards. A written submission shall also be provided within 5 days of the time the Industrial User becomes aware of the bypass. The written submission shall contain a description of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the bypass. The District may waive the written report on a case by case basis if the oral report has been received within 24 hours.
4. **Notification of Significant Facility Change** The District must be notified immediately of any changes at your facility, not already addressed in your accidental spill/ slug discharge control plan requirement, which may affect the potential for a slug discharge.
5. **Notification of Changed Discharge.** The user shall notify the District of any proposed changes (permanent or temporary) to the premises, operation of the firm, quality or volume of wastewater, water usage, process, installation or removal of tanks or equipment and obtain District approval prior to implementation.

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6. **Notification of Upset.** Any upset experienced by the user of any of its treatment processes that places the user in a temporary state of noncompliance with the wastewater discharge limitations contained in this permit or other limitations specified in the District's Ordinance shall be reported to the District within 24 hours of first awareness of the commencement of the upset. A detailed report shall be filed with the District within five days of the start of the upset.

7. **Periodic Reports of Compliance** *If required* in this permit or under Federal pretreatment regulations, all significant industrial users, both categorical and non-categorical, must submit periodic reports of continued compliance to the District. These reports are due by **June 30 and December 31** of each year. The content and format of these reports must be in compliance with EPA and District requirements.

8. **Hazardous Materials Notification**
 - a. The permittee shall notify the District, the E.P.A., Regional Waste Management Division Director and the California Department of Health Services in writing, of any intentional or accidental discharge of a RCRA characteristic or listed hazardous waste or material. Notification must be made within 180 days after the discharge, and must include the name and E.P.A. hazardous waste number of the material, the type of discharge, (continuous, batch or other), an identification of the hazardous constituents of the waste, an estimate of the mass and concentration in the waste stream discharge during that calendar month.

 - b. The Notification Requirement does not apply to pollutants already reported in periodic self-monitoring reports.

9. **Compliance Sampling Point**
 - a. The compliance sampling point will be determined after reviewing the permit application.

10. Self Monitoring: General Requirements

In addition to self monitoring required elsewhere in this permit, the following conditions must be met:

1. All samples and measurements must be representative of the waste stream and taken under normal discharging conditions when monitored pollutants are likely to be present. Samples collected to determine compliance with Federal point Source Wastewater Discharge limitations must be taken immediately downstream from the pretreatment facilities. If no pretreatment is performed the samples must be taken immediately downstream from the regulated process, before the process wastewater combines with sanitary or other diluting water streams (non-contact cooling water, boiler blow down, etc.).

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2. Sampling performed for periodic reports of continued compliance must be collected, processed, stored, analyzed and reported in compliance with EPA and District requirements.
3. All monitoring information and records must be retained for at least three years from the date of the sample, measurement, or report. This information must be made available for inspection and copying by District personnel or a District authorized representative upon request.
4. If self monitoring indicates a violation, the permittee must notify the District within 24 hours of becoming aware of the violation and must re-sample immediately. The results of the re-sample must be submitted to the District within 30 days after becoming aware of the violation. (40 CFR 403.12 (g)(2))
5. Self monitoring required through a Notice of Violation, Administrative Order, or any other written correspondence from the District is deemed to be a condition of this permit.
6. If any pollutant is monitored more frequently than required by the District or Federal regulation, the results of this additional sampling must also be included in the Periodic Reports of Continued Compliance.

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PART 4 PENALTIES AND FEES

1. ***Significant Non-Compliance*** Should the District determine that the permittee is in significant non-compliance with applicable pretreatment requirements, the District will list the facility in the ***Public Notice of Significant Wastewater Violations*** in the largest daily newspaper in the area. This list will be published annually, but may be published more frequently at the discretion of the District.

An industrial user is in significant non-compliance if one or more of the following violations occur:

- (a) Chronic violations of wastewater discharge limits, defined as those in which sixty-six percent or more of all of the measurements taken during a six-month period exceed (by any magnitude) a numerical Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(1) of the same pollutant parameter.
- (b) Technical Review Criteria (TRC) violations, defined as those in which thirty-three percent or more of all of the measurements for each pollutant parameter taken for each pollutant parameter during a six-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(1) multiplied by the applicable TRC value (TRC = 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except ph).
- (c) Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3 (l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the District determines has caused, alone or in combination with other discharges, Interference or Pass Through (including endangering the health of District personnel or other general public).
- (d) Any discharge imminent endangerment to human health, welfare or to the environment or which has resulted in the POTW's exercise of use its emergency authorities under 40 CFR 403.8(f)(1)(vi)(B) of this section to halt or prevent such a discharge.
- (e) Failure to meet within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

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- (f) Failure to provide within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules.
- (g) Failure to accurately report non-compliance.
- (h) Any other violation or group of violations, which may include a violation of Best Management Practices (BMPs), which the District determines will adversely affect the operation or implementation of the local pretreatment program.

2. **Civil and Criminal Liability** Any person who violates any requirements or conditions of this permit, Ordinance No. 39, an order of the District, or violates any cease and desist order, prohibition, effluent limitation, National Standard of Performance, pretreatment or toxicity standard shall be liable civilly for a penalty not to exceed \$25,000.00 for each day in which such violation occurs or continues. In addition to penalties, the District may recover reasonable attorney's fees and other expenses of litigation.

Any person who commits such violations is guilty of a misdemeanor and upon conviction is subject to criminal penalties of not more than \$25,000.00 and or imprisonment for not more than 30 days in the county jail.

Nothing in this permit relieves the permittee from civil and or criminal penalties for non-compliance under state or federal laws or regulations.

3. **Wastewater Charges and Fees.** The User shall pay to the District all sewer service charges; permit fees, monitoring charges and laboratory analysis charges levied in accordance with current District Ordinances. All charges are due and payable upon receipt of statement of charges. Failure to pay fees within 30 days may result in revocation of wastewater discharge permit and termination of service. Overdue fees shall be assessed a 10 percent penalty plus interest of 1.5 percent per month until fees have been paid.

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**PART 5
SPECIAL CONDITIONS – GROUNDWATER DISCHARGE**

1. General

The terms and conditions set forth in this permit shall apply to ground water encountered during the excavation of under ground storage tanks on the facility address and to groundwater pumped from the facility address during the remediation phase of the project.

Discharge of other wastewater generated during this project (i.e. Decontamination wastewater or purge water) may be allowed under this permit provided a written request is provided to the District prior to discharge.

DISCHARGE OF GROUNDWATER, WASTEWATER, OR ANY OTHER SUBSTANCE GENERATED OUTSIDE THE DISTRICT'S SERVICE AREA IS PROHIBITED.

The permittee shall provide easily accessible sampling points for both pre and post-treatment samples. The District reserves the right to sample at will for any constituents it deems necessary on groundwater samples collected from either pre or post-treatment locations.

There shall be no bypassing of any treatment process or unit or direct discharge into the sewer system at any time.

The permittee assumes full responsibility for any and all damages to the collection system or to the Oro Loma/Castro Valley Treatment Plant, that can be directly attributed to the discharge of treated groundwater from the operation site.

If air stripping is part of the treatment process, the Bay Area Air Quality Control Board shall be notified of the process. If a permit is required by the Air Board, a copy of that permit and subsequent extensions shall be submitted to the District.

- 2. Point of Discharge** The point of discharge shall be established prior to discharge of any wastewater. The discharge point shall not be changed without *prior* written authorization from the District.

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3. **Pre-Pumping and Emergency Notification** The permittee shall notify the District's Industrial Waste Inspector at **481-6971**, no less than twenty four (24 hours prior to commencement of any pumping activity and request an inspection of the site. No pumping shall occur until District staff have inspected the site, piping, pumping set-up, metering and discharge points.

In the event of any explosive condition or other potentially harmful situation which may affect either the collection system or the P.O.T.W., the permittee shall contact the District at **(510) 276-4700 or (510) 481-6993** immediately (operators are on duty 24 hours per day) and the local Fire Department.

4. **Initial Sampling** During the initial three-hour start-up pumping period, the effluent discharge from the treatment process **SHALL NOT** be sewerred. The total volume shall be contained in a tank. The system will be shut down. A representative groundwater sample shall be collected and analyzed for constituents listed on the attached table. Further processing of the groundwater will be allowed only after laboratory analysis demonstrate that the contents of the tank meet all of the limitations set forth in this permit.

Sampling Requirements

<u>Parameter</u>	<u>O.L.S.D. Limit</u>
Arsenic	0.8 mg/L
Cadmium	0.2 mg/L
Copper	1.9 mg/L
Lead	1.0 mg/L
Mercury	0.01 mg/L
Nickel	1.0 mg/L
Selenium	1.0 mg/L
Silver	0.8 mg/L
Total Chromium	2.0 mg/l
Zinc	3.0 mg/L

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Additional Testing

Total Petroleum Hydrocarbons (EPA 8015)	15 mg/L
B.T.E.X. (EPA 8020)	Non-detectable
Phenols	70 mg/L
Cyanide	1.0 mg/L

General Analysis

COD	N/A
Suspended Solids	N/A
pH	5.5 to 12.5 units

5. *Proposed Sampling After Initial Testing*

Week #1 Sampling

One week after discharge begins, a representative sample shall be collected and analyzed for Total Petroleum Hydrocarbons (TPH).

If laboratory analysis show the TPH levels are above 15 mg/L on the first week's sample, another sample will be collected for TPH immediately upon receipt of the laboratory results of the first sample.

If laboratory analysis show the TPH level is below 15 mg/L, discharge may proceed.

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Monthly Sampling

When laboratory analysis confirms the TPH levels have stabilized, monthly sampling for TPH, BTEX, COD, TSS and pH (the general analysis) shall be conducted by the permittee for the duration of the pumping operation.

The permittee shall notify the District's Industrial Waste Inspector at 276-4700, no less than 24 hours prior to any sampling event to allow District personnel the opportunity to observe sampling procedures.

During the entire treatment process, the TPH concentration shall not exceed 15 mg/L. Sampling frequency will be increased if test results show discharge levels are bordering or exceed 15 mg/L for TPH.

The results of all laboratory analysis shall be transmitted to the District within three (3) days of receipt of the Laboratory Report.

6. **Metering** The permittee shall submit specifications of the proposed flow meter to the District for approval. The meter must be appropriate for all anticipated conditions of flow and pressure and must include a non-resettable totalizer and fittings to allow for a "fill-up" test to verify the accuracy of the meter. This can also serve as the sampling point for discharge.

Monthly flow data will be transmitted to the District no later than the 10th of the following month.

7. **Billing and Permit Extensions** The permittee shall pay all District fees for sampling, monitoring inspections, loading charges, as well as any other related District expenses billed prior to the expiration of this permit.

The District will not consider an extension of this permit until all fees and reimbursable costs have been paid to the permittee.

8. **Fees** An annual permit fee is charged with the issuance and any subsequent renewals of this discharge permit.

Sewer service and use charges will be **charged** per hundred cubic feet of water discharged.

The annual permit fee and the charge per hundred cubic feet of water discharged are set forth in OLSD Resolution Number 3536, Sewer Service Charges for all Classes of Customers, Attachment A.