



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown Jr.
Governor

January 12, 2011

Mr. Bill Dawson
Acting Real Estate Director
Los Angeles County
222 S. Hill St. 3rd Floor
Los Angeles CA 90012

Dear Mr. Dawson

MODIFICATION OF ENROLLMENT UNDER GENERAL WASTE DISCHARGE REQUIREMENTS FOR WASTE DISCHARGES TO LAND BY SMALL ONSITE WASTEWATER SYSTEMS, STATE ORDER NO. 97-10-DWQ FOR SURFRIDER COUNTY BEACH LIFEGUARD STATION AND BATHHOUSE/COMFORT STATION AT 23060 PACIFIC COAST HIGHWAY, MALIBU, CALIFORNIA (FILE NO. 02-170, CI-8532)

We have completed our review of your application for modification of enrollment under State Board general Waste Discharge Requirements (WDR) Order No. 97-10-DWQ for Surfrider County Beach. Under the original WDR enrollment, groundwater monitoring revealed an increase in bacteria levels down-gradient of the leachfield. Los Angeles County Department of Public Works (County) concluded that the existing standard septic tank and leachfield had failed. On March 7, 2006, the County submitted a Site Mitigation Plan, which proposed to replace the existing treatment system with an advanced onsite wastewater treatment system (OWTS) and on July 20, 2006, the Regional Water Quality Control Board (Regional Board) approved this Site Mitigation Plan. In 2006, the County capped the connection between the existing septic tank and the leachfield, and brought porta-potties to the adjacent parking lot to serve public sanitation needs. For the past four years, the County and has been hauling wastewater and septage offsite for proper treatment and disposal. Surfrider County Beach is located within the prohibition area and scheduled for the first phase of sewerage, but an economic analysis of the one-time cost of the installation of an advanced treatment system and increased monitoring costs for the next five years was less than the projected costs of hauling wastewater offsite for this same period of time. The wastewater discharge volume varies daily and seasonally, with an average daily volume in January as low as 700 gallons per day (gpd) to an estimated maximum daily discharge on a holiday weekend in July as much as 10,000 gpd. The County is prepared to connect the facility to the sewer by the Malibu Prohibition deadline of November 5, 2015.

The new leachfield will be located northwest of the Surfrider Beach Restroom and adjacent to the public parking lot (23236 West Pacific Coast Highway) and the historic wall surrounding the Adamson House. The size of the leach bed will be 36 feet by 42 feet, providing 1,512 square feet of leaching area. The average depth to groundwater at the old leachfield was 15.7 feet below ground surface. Site mitigation includes the installation of a new leachfield which is farther from the ocean and has a surface elevation two to three feet higher. The depth to groundwater at the new leachfield is estimated to be 18 feet with a horizontal set-back from the mean high tide line at Surfrider Beach about 140 feet. Surfrider County Beach would qualify for enrollment in Regional Board general WDR Order No. 01-031, except that storm surge is modeled to sweep-up the beach to less than 20 feet from the facility.

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

The County chose an AdvanTex™ modular package system to provide secondary treatment. The wastewater discharge volume for this facility varies considerably both seasonally and daily. The average wastewater annual flow rate from the lifeguard/comfort station is less than 3000 gpd. The upgraded OWTS will consist of a 2,500 gallon sand trap, an over-sized 12,000 gallon recirculation tank, one Advantex™ AX100 and two AX20 filter pods to improve retention time and effluent quality.

The County has proposed the installation and use of three disinfection systems to disinfect the treated effluent prior to discharge. The three disinfection systems are ultraviolet (UV), chlorination-dechlorination, and ozone disinfection system. Ozone disinfection is less sensitive to turbidity. A small custom-made, pilot ozone generator and disinfection system was tested between 2009 to 2010 at County Fire Station #88 located adjacent to Malibu Colony. Recently, this ozone generator and disinfection system, received approval from the County's Department of Health Services (DHS).

The treated effluent must not exceed the water quality objectives listed in the June 13, 1994 Los Angeles Region Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties as amended by Regional Board Resolution R4-2001-018 and the State Board's 2009 California Ocean Plan for a shellfish harvesting beach. Any effluent exceedance of a rolling median Total Coliform density of 70 MPN per 100 mL, a single sample maximum (SSM) Total Coliform density of 230 MPN/100 mL, or SSM for Fecal Coliform or Enterococcus will require repeat weekly sampling of these parameters until compliance with these bacteria discharge limits is achieved.

Please note that after installation of the advanced OWTS, the County is required to monitor the performance of the advanced OWTS by measuring treated effluent at end of pipe for the following parameters: Flow rate, Total Suspended Solids (TSS); 5-Day Biological Oxygen Demand (BOD5); Total Nitrogen (Ammonia+Nitrite+Nitrate+Organic Nitrogen), residual chlorine, and Turbidity. Based on our review, the proposed advanced OWTS is acceptable provided that the effluent meets the discharge requirements. Effluent shall be monitored based on the frequency, and shall not contain constituents in excess of the following effluent limitations, or cause the receiving water to exceed the following limitations detailed in Table 1 below:

Table 1 Effluent Limitations

Constituents	Unit	Limits	Test Frequency
Total Flow	gal/day	-	Metered
pH	pH Units	6-9	Quarterly/Monthly ⁶
Total Suspended Solids (TSS)	mg/L	30 ⁴	Quarterly/Monthly ⁶
BOD ₅ 20°C	mg/L	30 ⁴	Quarterly/Monthly ⁶
Turbidity	NTU	10 ⁴	Quarterly/Monthly ⁶
Total Nitrogen ²	mg/L	10	Quarterly/Monthly ⁶
Ammonia-Nitrogen	mg/L	2.4	Quarterly/Monthly ⁶
Nitrate-Nitrogen	mg/L	<10	Quarterly/Monthly ⁶
Nitrite-Nitrogen	mg/L	<1.0	Quarterly/Monthly ⁶
Residual Chlorine ³	µg/L	8	Quarterly/Monthly ⁶
Total Coliform	MPN ¹ /100mL	70/230 ⁵	Quarterly/Monthly ⁷
Fecal Coliform	MPN ¹ /100mL	200/400 ⁵	Quarterly/Monthly ⁷
Enterococcus	MPN ¹ /100mL	35/104 ⁵	Quarterly/Monthly ⁷

¹MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligrams per liter.

²Total nitrogen includes ammonia-N, nitrite-N, nitrate-N, and organic-N.

³Required if Chlorine is used for disinfection.

⁴OWTS performance evaluation parameters.

⁵Ocean Plan limits for shellfish harvesting area. Median Total Coliform density shall not exceed 70 MPN per 100mL, and not more than 10% of the samples shall exceed 230 MPN per 100mL. Basin Plan limits for water contact recreation: Fecal Coliform and Enterococcus (30-day geometric mean/single sample maximum).

⁶After start-up, the Discharger will be allowed a 12-week start-up to meet the effluent discharge limits in Table 1. Monthly sampling of all effluent parameters will be required during the start-up period.

⁷Bacteria must be sampled monthly during the seven month AB411 ocean monitoring season of April 1st to October 31st. Quarterly monitoring during the winter months November 1st through March 31st. In addition, any exceedance of the above bacteria limitations will require repeat weekly sampling of bacteria until samples demonstrate compliance.

Revision of the Monitoring and Reporting Program (MRP) No. CI-8532 is necessary to include appropriate effluent monitoring. Enclosed is your WDR, consisting of Order No. 97-10-DWQ, with Attachment A, a generic Monitoring and Reporting Program, and Attachment B, Standard Provisions and Reporting for Waste Discharge Requirements, and a site-specific Monitoring and Reporting Program (MRP) No. CI-8532, which incorporates the monitoring requirements in Attachment A and additional site-specific requirements as specified in Table 1. Please note that the limits and test frequency requirements of the MRP No. CI-8532, which are summarized in Table 1 replace some of the generic effluent monitoring requirements in Attachment A, and supersede the monitoring requirements in MRP CI-8532 dated February 25, 2003.

Your enrollment under Order No. 97-10-DWQ will be reviewed periodically. Based on the technical information gathered from the OWTS effluent, groundwater, and surface water.

Surfrider Beach
23060 Pacific Coast Highway, Malibu, CA

- 4 -

January 12, 2011

monitoring, the Regional Board Executive Officer (Executive Officer) may determine that the discharge would be better regulated under a different general WDR or an individual WDR. If such a decision is made, you will be notified 30 days before any Regional Board action. If the discharge is regulated under another general WDR, or an individual WDR, which requires board action, the applicability of Order No. 97-10-DWQ will be immediately terminated on the effective date of the issuance of a new WDR.

Should future changes to either the advanced OWTS or the leachfields be necessary, revised engineering drawings showing the changes must be filed with the Regional Board a minimum of thirty days prior to the change and the County must receive approval for such change.

The following actions must be taken after installation of the advanced OWTS and the new leachfield at Surfrider County Beach:

1. Submit an installation completion report for the advanced OWTS installation within 90 days of completion.


Revised MRP No. CI-8532 requires you to implement an effluent monitoring program for the new advanced OWTS upon completion of installation. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8532", to insure that the reports are directed appropriately. Also, please do not combine other correspondence or reports with your monitoring reports.

We are sending a copy of State Board Order No. 97-10-DWQ with Attachments A and B only to the applicant. Additional copies will be furnished to anyone who requests it.

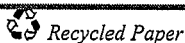
You will be required to connect to the sewer as soon as it is available. After you have connected to the sewer, to avoid paying future annual fees, please submit a written request for termination of your enrollment under the general permit when your Regional Board permit is no longer needed. Be aware that the annual fees cover the fiscal year billing period beginning July 1 and ending June 30, the following year. You will be required to pay the annual fee if your request for termination is made after the beginning of the new fiscal year on July 1.

If you have any additional questions, please contact Chief of the Groundwater Permitting and Landfill Section, Dr. Rebecca Chou, at (213) 620-6156 or Ms. Toni Callaway at (213) 620-2259.

Sincerely,


Samuel Unger, P.E.
Executive Officer

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Surfrider Beach
23060 Pacific Coast Highway, Malibu, CA

- 5 -

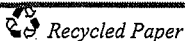
January 12, 2011

Enclosures:

1. State Water Resources Control Board Order No. 97-10-DWQ "General Waste Discharge Requirements for Discharges to Land by Small Domestic Wastewater Treatment Systems" with Attachment A, a generic Monitoring and Reporting Program, and Attachment B Standard Provisions and Reporting for Waste Discharge Requirements
2. Revised Monitoring and Reporting Program No. CI-8532

cc: Mr. Diego Cadena, Deputy Director, Los Angeles County, Department of Public Works
Mr. Del Quevedo, Los Angeles County, Department of Public Works, Division of Water Resources
Mr. Alex Villarama, Los Angeles County, Department of Public Works
Mr. Andrew Sheldon, Environmental Health Administrator, City of Malibu
Mr. Craig George, Manager, division of Building and Safety, City of Malibu
Dr. Mark Gold, President, Heal the Bay
Mr. Michael Blum, President, Malibu Surfing Association
Mr. Mark Abramson, Director of the Watershed Program, Santa Monica Bay Keeper
Mr. Drew Albenze, Surfrider Foundation
Mr. Bill Grady, Surfrider Foundation
Ms. Raina Bayas, Glaser, Weil, Fink, Jacobs, Howard & Shapiro, LLP

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

STATE WATER RESOURCES CONTROL BOARD

WATER QUALITY ORDER NO. 97-10-DWQ

GENERAL WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND BY SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS

Findings:

1. Section 13260(a) of the California Water Code (CWC) requires that any person discharging waste or proposing to discharge waste within any region, other than to a community sewer system, that could affect the quality of the waters of the State, file a report of waste discharge (ROWD).
2. Discharges to land from small domestic wastewater treatment and disposal systems have certain common characteristics, such as similar constituents, concentrations of constituents, disposal techniques, flow ranges and they require the same or similar treatment standards. These types of discharges are more appropriately regulated under general Waste Discharge Requirements (general WDRs).
3. Only domestic wastewater treatment and disposal systems with a maximum average daily flow of 20,000 gallons or less that discharge to land (small domestic systems) are eligible for coverage under these general WDRs. Small domestic systems are typically located at campgrounds, mobile home parks, roadside rest stops, condominiums/subdivisions using community waste treatment systems, restaurants, schools, resort hotels and lodges, small correctional facilities, and Recreation Vehicles (RV) dump locations, including RV parks. Single family residences with small domestic systems, for purposes of these general WDRs, are specifically excluded.
4. All WDRs must implement the applicable water quality control plan (Basin Plan) for the Region affected by the discharge. Therefore, these general WDRs require dischargers to comply with all applicable Basin Plan provisions, including any prohibitions and water quality objectives, governing the discharge.
5. This Order establishes minimum standards only for small domestic systems. The discharger must comply with any more stringent standards in the applicable Basin Plan. In the event of a conflict between the provisions of this Order and the Basin Plan, the more stringent provision prevails.
6. The beneficial uses for the ground waters of the State are: municipal supply (MUN), industrial service supply (IND), industrial process supply (PROC), fresh water replenishment (FRESH), aquaculture (AQUA), wildlife habitat (WILD), and agricultural supply (AGR). The following list shows the beneficial uses that apply to each region. Some beneficial uses only apply to certain geographical areas.

Region	Listed Beneficial Uses
1	MUN, AGR, IND, PROC
2	MUN, AGR, IND, PROC, FRESH
3	MUN, AGR, IND, PROC
4	MUN, AGR, IND, PROC, AQUA
5	MUN, AGR, IND, PROC
6	MUN, AGR, IND, FRESH, WILD
7	MUN, AGR, IND
8	MUN, AGR, IND, PROC
9	MUN, AGR, IND, PROC, FRESH

To the extent that the applicable Basin Plan designates additional or different beneficial uses, the Basin Plan shall control.

7. Dischargers seeking coverage under these general WDRs shall file: (1) a standard application for WDRs (Report of Waste Discharge), a Form 200, or an equivalent document; and (2) a first annual fee of \$400 which corresponds to a Threat to Water Quality and Complexity of 3b in the fee schedule listed in Section 2200 of Title 23, California Code of Regulations (CCR). Upon review by Regional Water Quality Control Board (RWQCB) staff, a determination will be made as to whether or not coverage under these general WDRs is appropriate. The discharger shall be notified by a letter from the RWQCB's Executive Officer when coverage under these general WDRs has begun.
8. Each RWQCB has its own waiver policies and conditions. Any discharger currently under a waiver from the RWQCB does not need to apply for coverage under these general WDRs.
9. Although a discharge may be eligible for coverage under this general WDR, the appropriate RWQCB may determine that the discharge would be better regulated under an individual WDR, under another general WDR, or under a National Pollutant Discharge Elimination System (NPDES) permit for discharges to surface waters. If a discharge is regulated under an individual or general WDR, or a waiver, or under an NPDES permit issued by an RWQCB, the applicability of this general WDR to the discharge is immediately terminated on the effective date of the RWQCB's WDR or NPDES permit.
10. This Order does not preempt or supersede the authority of municipalities, flood control agencies, or other local agencies to prohibit, restrict, or control discharges of waste subject to their jurisdiction.
11. These WDRs are exempt from Chapter 15 requirements pursuant to CCR, Title 23, Chapter 15, Section 2511(a).
12. This general WDR is intended to cover both new and existing small domestic systems. The adoption of WDRs for existing small domestic systems is exempt from the California Environmental Quality Act (CEQA) under CCR, Title 14, Section 15261 or Section 15301 as ongoing or existing projects.
13. The State Water Resources Control Board (SWRCB) has adopted a Mitigated Negative Declaration in compliance with CEQA for new small domestic systems. The potential

significant environmental impacts from discharges from new small domestic systems can be mitigated to a level of insignificance by compliance with this Order.

14. Pursuant to Section 13263 of the CWC, the SWRCB, in establishing the requirements contained herein, considered factors including but not limited to the following:
 - a. Past, present, and probable future beneficial uses of water.
 - b. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto.
 - c. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area.
 - d. Economic considerations.
 - e. The need for developing housing within the Region(s).
 - f. The need to develop and use recycled water.
15. The SWRCB has notified potential dischargers and all other known interested parties of the intent to prescribe WDRs as described in this Order.
16. The SWRCB, in a public meeting, heard and considered all comments pertaining to the proposed discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the CWC and regulations adopted thereunder, shall comply with the following:

A. Prohibitions:

1. The direct or indirect discharge of any wastewater to surface waters or surface water drainage courses is prohibited.
2. The treatment and disposal of wastes at the facility shall not cause pollution, contamination, or nuisance as defined in CWC Section 13050.
3. The discharge of wastewater, other than domestic wastewater, into a small domestic system is prohibited.
4. Bypass or overflow of treated or untreated waste is prohibited.
5. The discharge of waste to land not owned or controlled by the discharger is prohibited.
6. The discharge of wastes from small domestic systems which is not authorized by this general WDR or other Order or waiver by the RWQCB is prohibited.

7. Discharge of waste classified as "hazardous", or "designated", as defined in CCR, Title 23, Chapter 15, Section 2521(a) and CWC Section 13173, respectively, to any part of the wastewater disposal system is prohibited.

B. Requirements:

1. For All Small Domestic Systems:

- a. Odors of sewage origin shall not be perceivable beyond the limits of the discharger's property boundaries.
- b. The siting, design, construction, operation, maintenance, and monitoring of all small domestic systems must comply with all of the applicable provisions of the RWQCB's Basin Plan.
- c. The discharger shall not discharge waste in excess of the maximum design and disposal capacity of the small domestic system.
- d. The discharge of waste from small domestic systems shall comply with all applicable provisions of the RWQCB's Basin Plan, including but not limited to any prohibitions and water quality objectives.

2. For Septic Systems, the Following Additional requirements Apply:

- a. Septic tank cleanings shall be performed only by a duly authorized service.
- b. The discharger shall maintain a log of all septic cleanings. At a minimum the log shall include the date of the cleaning, and the name, address, phone number, and license number (if applicable) of the cleaner.
- c. Dischargers who accept wastes from RVs or other mobile waste systems must ensure that such wastes (with constituents including formaldehyde, zinc, and phenol) do not deleteriously affect the septic system or impact the ground water.

3. For Activated Sludge Systems, the Following Additional Requirements Apply:

- a. If collected screenings, sludges, and other solids removed from liquid wastes are disposed of at a landfill, such disposal shall comply with CCR, Title 23, Section 2510, et seq. (Chapter 15).
- b. If sewage sludge is land applied, disposed of at a monofill, or incinerated, this activity shall comply with existing Federal, State, and local laws and regulations, including requirements of 40 CFR 503, the RWQCB, and the county ordinances, and shall be approved by the appropriate RWQCB's Executive Officer.
- c. The discharger shall submit a sludge disposal plan and obtain the appropriate RWQCB Executive Officer's written permission prior to any disposal of sludge. The Executive

Officer shall be informed of any changes in this plan at least 60 days in advance of the change.

4. For Aerated Pond Systems, the Following Additional Requirements Apply:

If collected screenings, sludges, and other solids removed from liquid wastes are disposed of at a landfill, such disposal shall comply with CCR, Title 23, Section 2510, et seq. (Chapter 15).

5. For Subsurface Disposal Systems, the Following Additional Requirements Apply:

- a. The subsurface wastewater disposal system(s) shall be maintained so that at no time will sewage surface at any location.
- b. No part of the disposal system(s) shall extend to a depth where waste may pollute ground water.

6. For Surface Disposal Systems, the Following Additional Requirements Apply:

- a. A minimum freeboard of two (2) feet shall be maintained at all times in the basins or ponds.
- b. Public contact with wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.
- c. Basins or ponds shall have sufficient capacity to accommodate allowable wastewater flow and design seasonal precipitation and ancillary inflow and infiltration during the winter season. Design seasonal precipitation shall be based on criteria, if any, set in the appropriate RWQCB's Basin Plan. If no criteria is set in the appropriate RWQCB's Basin Plan, then seasonal precipitation shall be based on historical 24 hour rain fall, using a 10 year return frequency.
- d. Disposal in ponds shall be conducted in a manner such that there shall be no stranded or exposed sewage solids.

C. Ground Water and Surface Water Limitations:

1. The discharge shall not:

- a. Pollute ground or surface waters.
- b. Adversely affect beneficial uses or cause an exceedance of any applicable Basin Plan water quality objectives for ground or surface waters.

2. Where treated wastewater is applied to land by sprinkler or spray methods, the discharger shall manage wastewater application to prevent it from commingling with storm water runoff, or such runoff shall be fully retained.

D. Provisions:

1. For All Small Domestic Systems:

- a. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise damage the discharge facilities.
- b. The discharger shall ensure that all site operating personnel are familiar with the contents of this general WDR and shall maintain a copy of this general WDR at the site.
- c. Prior to any modifications in the discharger's facility which would result in a material change in the quality or quantity of wastewater treated or discharged, or any material change in the location of discharge, the discharger shall report all pertinent information in writing to the appropriate RWQCB and obtain confirmation from the appropriate RWQCB that such modifications do not disqualify the discharger from coverage under these general WDRs. Either confirmation or new WDRs must be obtained before any modifications are implemented.
- d. The discharger shall comply with "General Monitoring and Reporting Program No. 97-10-DWQ (Attachment A), and any future revisions, as specified by the appropriate RWQCB's Executive Officer.
- e. The appropriate RWQCB's Executive Officer and the Director of the County Environmental Health Department or equivalent agency shall be notified immediately of any failure of the wastewater containment facilities. Such failure shall be promptly corrected in accordance with the requirements of this Order.
- f. The discharger at all times shall properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. The discharger shall keep in a state of readiness all systems necessary to achieve compliance with the conditions of this Order. All systems, both those in service and reserve, shall be inspected and maintained on a regular basis. Records shall be kept of the tests and made available to the RWQCB.
- g. This Order does not convey any property rights or exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the discharger from liability under Federal, State, or local laws, and do not create a vested right to continue to discharge wastewater.
- h. This Order does not relieve the discharger from responsibility to obtain other necessary local, State, and Federal permits to construct facilities necessary for compliance with this Order, nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.
- i. The discharger shall allow the RWQCB or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

(1) Enter upon the premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this Order;

(2) Have access to and copy at reasonable times any records that shall be kept under the conditions of this Order;

(3) Inspect, at reasonable times, any facilities, equipment, practices, or operations regulated or required under this Order; and

(4) Sample, photograph, video record, and/or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the CWC, any substances or parameters at this location.

j. All regulated disposal systems shall be readily accessible for sampling and inspection.

k. The SWRCB will review this Order periodically and will revise requirements when necessary.

l. Paragraphs of this Order are severable. If any paragraph is found invalid, the remaining paragraphs shall not be affected.

m. After notice and opportunity for a hearing, coverage of an individual discharge under this Order may be terminated or modified for cause, including but not limited to the following:

(1) Violation of any term or condition contained in this Order;

(2) Obtaining this Order by misrepresentation or failure to disclose all relevant facts;

(3) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

The filing of a request by the discharger for an Order modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

n. The discharger shall furnish, within a reasonable time, any information the RWQCB or the SWRCB may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the discharger's coverage under this Order. The Discharger shall also furnish to the RWQCB or the SWRCB, upon request, copies of records required to be kept by this Order.

o. Unless otherwise approved by the appropriate RWQCB's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the U. S. Environmental Protection Agency (U.S. EPA).

- p. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the appropriate RWQCB's Executive Officer.
- q. The discharger shall immediately remove any wastes which are discharged at the site regulated by this Order in violation of these requirements.
- r. All performed maintenance and noncompliance issues shall be reported with the monitoring reports as required.
- s. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater disposal facility(s).
- t. The discharger shall comply with all of the conditions of this Order. Any noncompliance with this Order constitutes a violation of the Porter-Cologne Water Quality Control Act and/or appropriate Basin Plan and is grounds for an enforcement action.
- u. Waste treatment facilities subject to this Order shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Division 4, Chapter 14, Title 23 CCR.
- v. The discharger shall comply with all of the conditions contained in the Standard Provisions included with this Order as Attachment B.

2. For Septic Systems, the Following Additional Provisions Apply:

- a. All employees of the regulated facility shall receive training on how to minimize pollutant discharges to the septic system. This instruction should include the following topics:
 - (1) Proper disposal of materials handled at the regulated facility.
 - (2) Methods to wash tools and other objects so that no contaminants are introduced into the septic system.
 - (3) Methods to wash hands so that no contaminants are introduced into the septic system.
- b. Any off-site disposal of septage shall be only to a legal point of disposal, with the approval of the legal disposal site operator. For purposes of these requirements, a legal disposal site is one for which requirements have been established by the appropriate RWQCB and which is in full compliance therewith. Any septage handling shall be in such a manner as to prevent its reaching surface waters or watercourses.

3. For Activated Sludge and Aerated Pond Systems, the Following Additional Provisions Apply:

a. The Discharger shall obtain prior written approval from the appropriate RWQCB's Executive Officer specifying location and method of disposal before disposing of treated or untreated sludge or similar solid waste materials. Such written approval is valid until a change in the manner or location of disposal occurs, or until the discharger is otherwise notified by the appropriate RWQCB's Executive Officer. In addition, the discharger shall provide the results of any sludge analyses as specified by the RWQCB's Executive Officer.

b. The discharger shall provide safeguards to electric power failure as follows:

(1) The discharger, within ninety (90) days of the effective date of this Order, shall submit to the appropriate RWQCB for approval a description of the existing safeguards provided to assure that, should there be reduction, loss, or failure of electric power, the discharger shall comply with the terms and conditions of its Order. Such safeguards may include alternate power sources, standby generators, retention capacity, operating procedures, or other means. A description of the safeguards provided shall include an analysis of the frequency, duration, and impact of power failures experienced over the past five years or from time of start-up, whichever is shorter, on effluent quality and on the capability of the discharger to comply with the terms and conditions of the Order. The appropriate RWQCB shall determine whether the safeguards are adequate.

(2) Should the RWQCB not approve the existing safeguards, the discharger, within ninety (90) days of having been advised by the appropriate RWQCB that the existing safeguards are inadequate, shall provide to the RWQCB a schedule of compliance for providing safeguards such that in the event of reduction, loss, or failure of electric power, the permittee will comply with the terms and conditions of this Order. The schedule of compliance, upon approval of the appropriate RWQCB's Executive Officer, shall become a condition of this Order as it applies to the specific discharger.

(3) If the discharger already has an approved plan(s), the plan shall be revised and updated as specified in the plan or whenever there has been a material change in design or operation. A revised plan shall be submitted to the appropriate RWQCB within ninety (90) days of the material change.

4. For Subsurface Disposal Systems, the Following Additional Provisions Apply:

New small domestic systems shall reserve sufficient land area for possible future 100 percent replacement of the subsurface disposal area until such time as the discharger's facility is connected to a municipal sewerage system.

Certification

The undersigned, Administrative Assistant to the SWRCB, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 18, 1997.

AYE: John Caffrey
James M. Stubchaer
Marc Del Piero
Mary Jane Forster
John W. Brown

NO: None

ABSENT: None

ABSTAIN: None

/s/

Maureen Marché
Administrative Assistant to the Board

ATTACHMENT A
STATE WATER RESOURCES CONTROL BOARD
MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ
FOR
GENERAL WASTE DISCHARGE REQUIREMENTS (WDRs)
FOR SMALL DOMESTIC WASTE SYSTEMS

Septic Tank Monitoring

Effluent Monitoring

Monitoring of septic tank effluent shall include the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	Gals/day	Estimate	Monthly

Flow estimates may be obtained from water meter readings.

Maintenance and inspection

Septic tanks shall be inspected and pumped as described below. An inspection is not required during the year a septic tank is pumped.

<u>Parameter</u>	<u>Units</u>	<u>Type of Minimum Measurement</u>	<u>Minimum Inspection Frequency</u>
Sludge depth and scum thickness in each compartment of each septic tank	Feet	Staff Gauge Annually	(by April of each year)
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge Annually	(by April of each year)
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge Annually	(by April of each year)

Septic tanks shall be pumped when any one of the following conditions exist or may occur before the next inspection

- a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or,
- b. The scum layer is within three inches of the outlet device; or,
- c. The sludge layer is within eight inches of the outlet device.

In lieu of septic tank measuring, the septic tank may be pumped annually.

MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ

Activated Sludge Systems Monitoring

Influent Monitoring

Monitoring of Activated Sludge System influent shall consist of the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Daily Flow	Gals/day	--	Daily
20°C BOD ₅	mg/l	24-hr composite	Monthly
Total Suspended Solids	mg/l	24-hr composite	Monthly

Effluent Monitoring

Monitoring of Activated Sludge systems' effluent shall consist of the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/l	24-hr composite	Weekly ¹
Total Suspended Solids	mg/l	24-hr composite	Weekly ¹
Nitrate as NO ₃ -N	mg/l	Grab	Weekly ¹
Total Nitrogen	mg/l	Grab	Weekly ¹
Total Coliform	MPN/100 ml	Grab	Weekly ¹

Effluent sampling shall be conducted concurrently with influent monitoring. The total average daily flow shall be calculated on a monthly basis. Time of collection of grab samples shall be recorded.

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the discharger shall monitor and record data for all of the parameters listed above, after which the frequencies of analysis given in the schedules shall apply for the duration of each such intermittent discharge. In no event shall the discharger be required to monitor and record data more often than twice the frequencies listed in the schedules.

Aerated Pond Systems Monitoring

Influent Monitoring

Monitoring of Aerated Pond Systems' influent shall consist of the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Daily Flow	Gals/day		Daily
20°C BOD ₅	mg/l	Grab	Monthly
Total Suspended Solids	mg/l	Grab	Monthly

MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ

Effluent Monitoring

Monitoring of Aerated Pond System effluent shall consist of the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/l	Grab	Weekly ¹
Total Suspended Solids	mg/l	Grab	Weekly ¹
Nitrate as NO ₃ -N	mg/l	Grab	Weekly ¹
Total Nitrogen	mg/l	Grab	Weekly ¹
Total Coliform	MPN/100 ml	Grab	Weekly ¹

Effluent sampling shall be conducted concurrently with influent monitoring. The total average daily flow shall be calculated on a monthly basis. Time of collection of grab samples shall be recorded.

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the discharger shall monitor and record data for all of the parameters listed above, after which the frequencies of analysis given in the schedules shall apply for the duration of each such intermittent discharge. In no event shall the discharger be required to monitor and record data more often than twice the frequencies listed in the schedules.

- 1 For the purpose of this Order, a Weekly monitoring frequency will mean that a sample shall be taken once every eight days. For example, your first sample is taken on Monday, the next sample shall be taken on the following Tuesday (eight days later). Alternate schedules may be discussed with the appropriate RWQCB.

Disposal Monitoring

Pond/Basin Monitoring

Samples should be representative of the volume and nature of the discharge. Time of collection of grab samples shall be recorded. Samples shall be collected at a depth of one foot from each pond/basin opposite the inlet. Samples shall be collected between 0800 and 0900 hours. The following shall constitute **UNLINED** pond/basin monitoring:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
pH	pH Units	Grab	Monthly
Dissolved Oxygen	mg/l	Grab	Monthly
Nitrate as NO ₃ -N	mg/l	Grab	Monthly
Total Nitrogen	mg/l	Grab	Monthly
Pond Freeboard	feet	Measurement	Monthly

pH monitoring shall be conducted using field measurement devices, or by grab sample delivered to an analytical laboratory.

The following shall constitute **LINED** pond/basin monitoring:

MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Dissolved Oxygen	mg/l	Grab	Monthly
Pond Freeboard	feet	<u>Measurement</u>	Monthly

Recreation Vehicle (RV) Waste Monitoring

A facility that accepts waste from RVs or other mobile waste systems shall monitor their small domestic system effluent for the following additional constituents:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Formaldehyde	mg/l	Grab	Quarterly
Zinc	mg/l	Grab	Quarterly
Phenol	mg/l	Grab	Quarterly
N as Ammonium	mg/l	Grab	Quarterly

Samples shall be collected from locations within the waste stream where the effluent is representative of the treatment process. For septic tanks, this monitoring is not required, unless a convenient sampling location, as determined by RWQCB staff, is available. For activated sludge systems, this will be at the effluent outlet. For ponds/basins, this will be at the opposite end of the pond/basin from the inlet at a depth of one foot from the surface of the pond/basin.

Reporting

With the exception of non-RV waste septic tank monitoring (pg. 1), monitoring reports shall be submitted to the appropriate Regional Water Quality Control Board (RWQCB) by the 15th day of the following month. Quarterly reports shall be submitted by January 15, April 15, July 15, and October 15 of each year. Annual reports shall be submitted by January 15 of the following year. For non-RV waste septic tank systems, only an Annual report is due by January 15 of the following year.

In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the discharge complies with WDRs. The highest daily maximum for the month, monthly and weekly averages, and removal efficiencies (%) for Biochemical Oxygen Demand (BOD) and Total Suspended Solids should be determined and recorded. For non-RV septic systems, an average daily flow shall be calculated using the arithmetic mean of the monthly values obtained throughout the reporting period.

Records of monitoring information shall include:

- The date, exact place, and time of sampling or measurement(s);
- The individual(s) who performed the sampling or measurement(s);
- The date(s) analysis were performed;
- The individual(s) who performed the analysis;
- The analytical techniques or method used; and
- The results of such analysis.

MONITORING AND REPORTING PROGRAM NO. 97-10-DWQ

If the discharger monitors any pollutant at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the discharge monitoring report form. Such increased frequency shall be indicated on the discharge monitoring report form.

The discharger shall submit an annual report to the appropriate RWQCB by January 15 of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the general WDRs.

Some RWQCBs are implementing electronic submittal of monitoring reports. If this is of interest to you, please contact the appropriate RWQCB for more information.

All reports submitted in response to these general WDRs shall comply with the signatory requirements of Standard Provision B.2.

The discharger shall implement the above monitoring program on the first day of the month following the effective date of coverage under these general WDRs

ATTACHMENT B

STATE WATER RESOURCES CONTROL BOARD (SWRCB)

STANDARD PROVISIONS AND REPORTING FOR WASTE DISCHARGE REQUIREMENTS

A. General Provisions

1. Duty to Mitigate

The discharger shall take all reasonable steps to minimize or prevent any discharge in violation of this Order which has a reasonable likelihood of adversely affecting human health or the environment, including such accelerated or additional monitoring as requested by the appropriate Regional Water Quality Control Board (RWQCB) or Executive Officer to determine the nature and impact of the violation.

2. Duty to Comply

The discharger must comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board orders or court orders requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board. [California Water Code (CWC) Sections 13261, 13263, 13265, 13268, 13300, 13301, 13304, and 13350]

3. Change in Ownership

The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger. The notice must include a written agreement between the existing and new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgment that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on. [CWC 13267 and 132631]

4. Termination

Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report submitted the Regional Board, it shall promptly submit such facts or information. [CWC 13260 and 13267]

5. Hazardous Releases

Except for a discharge which is in compliance with these waste discharge requirements, any person who, -without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency

STANDARD PROVISIONS AND REPORTING

measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of Section 13271 of the Water Code unless the discharger is in violation of a prohibition in the applicable Water Quality Control Plan (Basin Plan). [CWC 13271 (a)]

6. Treatment Failure

In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or to reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost. [CWC 13263 (f)]

7. Endangerment of Health and Environment

The discharger shall report any noncompliance that may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain (1) a description of the noncompliance and its cause, (2) the period of noncompliance, including exact dates and times; (3) if the noncompliance has not been corrected, the anticipated time it is expected to continue; and (4) the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The appropriate RWQCB Executive Officer or an authorized representative may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following shall be included as information that must be reported within 24 hours:

- (1) Any bypass from any portion of the treatment facility.
- (2) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
- (3) Any treatment plant upset which causes the effluent limitation of this Order to be exceeded.

(CWC 13263 and 13267)

8. Operator Certification

Supervisors and operators of municipal wastewater treatment plants and privately owned facilities regulated by the PUC, used in the treatment or reclamation of sewage and industrial waste shall possess a certificate of appropriate grade in accordance with Title 23, California Code of Regulations Section 3680. State Boards may accept experience in lieu of qualification training. In lieu of a properly certified wastewater treatment plant operator, the State Board may

STANDARD PROVISIONS AND REPORTING

approve use of a waste treatment plant operator of appropriate grade certified by the State Department of Health Services where reclamation is involved.

Each plant shall be operated and maintained in accordance with the operation and maintenance manual prepared by the municipality through the Clean Water Grant Program. [CWC Title 23, Section 2233(d)]

B. Monitoring and Reporting Requirements

1. Monitoring and Records [Title 23, (California Code of Regulations (CCR), Div. 3, Chapter 14.)

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b. Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;
 - (4) The individual(s) who performed the analysis;
 - (5) The analytical techniques or methods used; and
 - (6) The results of such analyses.
- c. Monitoring results must be conducted according to test procedures under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503 or unless other test procedures have been specified in this permit.

2. Signatory Requirements [40 CFR 122.41(k)][40 CFR 122.22]

- a. All application reports or information to be submitted to the RWQCB Executive Officer shall be signed and certified as follows:
 - (1) For a corporation: by a principal executive officer or at least the level of vice president;
 - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - (3) For a municipality, State, Federal, or other public- agency: by either a principal executive officer or ranking elected official. For purposes of this provision, a principal executive officer of a Federal agency includes: the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of U. S. EPA).

STANDARD PROVISIONS AND REPORTING

- b. All reports required by this Order and other information requested by the RWQCB, or SWRCB shall be signed by a person described in paragraph (a) of this provision or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- (1) The authorization is made in writing by a person described in paragraph (a) of this provision;
 - (2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (a duly authorized representative may thus be either a named individual or any individual occupying a named position) and,
 - (3) The written authorization is submitted to the RWQCB Executive Officer.
- c. If an authorization under paragraph (b) of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this provision must be submitted to the RWQCB Executive Officer prior to or together with any reports, information, or applications, to be signed by an authorized representative.
- d. Any person signing a document under paragraph (a) or (b) of this provision shall make the following certification:

"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 the 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."

(CWC 13263, 13267, and 13268]

3. Monitoring Reports

- a. Monitoring results shall be reported at the intervals specified in the permit.
- b. Monitoring results must be reported on a Discharge Monitoring Report (DMR) form or forms approved by the RWQCB or SWRCB for reporting results of monitoring of pollutants and sludge use or disposal practices.
- c. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

STANDARD PROVISIONS AND REPORTING

4. Planned Changes

The discharger shall file with the appropriate RWQCB a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

5. Compliance Schedules

Reports of compliance or noncompliance with interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date. If reporting noncompliance, the report shall include a description of the reason for failure to comply, a description and schedule of tasks necessary to achieve compliance and an estimated date for achieving full compliance. A final report shall be submitted within ten working days of achieving full compliance, documenting full compliance.

6. Other Noncompliance

The discharger shall report all instances of noncompliance not reported under Provisions (8.3), (BA), and (B.5) at the time monitoring reports are submitted. The reports shall contain the information listed in Provision (B.5).

7. Other Information

When the discharger becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application, or in any report to the RWQCB, the discharger shall promptly submit such facts or information.

8. False Reporting

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Order, including monitoring reports or reports of compliance or noncompliance shall be subject to enforcement procedures as identified in the Order and/or in these Standard Provisions.

9. Anticipated Noncompliance

The discharger shall give-advance notice to the RWQCB of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

C. Enforcement Provisions

1. The provisions in this enforcement section shall not act as a limitation on the statutory or regulatory authority of the appropriate RWQCB or SWRCB.
2. Any violation of this Order constitutes violation of the California Water Code and regulations adopted thereunder and is basis for enforcement action, permit termination, permit revocation and reissuance, denial of an application for permit reissuance or a combination thereof.
3. The appropriate RWQCB may impose administrative civil liability, may refer a discharger to the State Attorney General to seek civil monetary penalties may

STANDARD PROVISIONS AND REPORTING

seek injunctive relief, or take other appropriate enforcement action as provided in the California Water Code or federal law for violation of SWRCB or RWQCB orders.

4. It shall not be a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Order.

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
REVISED MONITORING AND REPORTING PROGRAM NO. CI-8532
FOR
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
SURFRIDER COUNTY BEACH
23060 W. PACIFIC COAST HIGHWAY, MALIBU, CALIFORNIA
MODIFICATION OF ENROLLMENT
UNDER CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
LOS ANGELES REGION
ORDER NO. 97-10-DWQ, SERIES NO. 001
(FILE NO. 02-170)**

I. REPORTING REQUIREMENTS

- A. The effective date of this revised Monitoring and Reporting Program (MRP) No. CI-8532 is January 12, 2011. Los Angeles County, (hereafter Discharger), shall implement this monitoring program immediately upon completion of the installation of the advanced onsite wastewater treatment system (OWTS). The first monitoring report under this revised program shall be submitted for the quarter in which the OWTS upgrade is completed.

Monitoring reports shall to be received by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

- B. If there is no discharge, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By January 15th of each year, beginning January 15, 2012, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the WDRs.
- D. The objectives of this Monitoring and Reporting Program (MRP) are to demonstrate performance of the new onsite wastewater treatment system (OWTS), and determine whether the treated wastewater discharge at this site will impact down-gradient receptors and surface water quality.

February 25, 2003
Revised: January 12, 2011

- E. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP). The laboratory must meet the United States Environmental Protection Agency (USEPA) Quality Assurance/Quality Control (QA/QC) criteria. Pollutants shall be analyzed using the methods described in 40 CFR 136.3, 136.4, and 136.5; or where no methods are specified for a given pollutant, methods approved by the Regional Board shall be utilized.
- F. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Regional Board Executive Officer (Executive Officer). The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures upon the request of the Regional Board.
- G. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the chain of custody shall be submitted with the report.
- H. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses any items where the discharge limitations were not met. The Discharger shall include a statement about the cause(s) of non-compliance and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all items non-compliant with the WDR, as well as any excursion of effluent and receiving water limitations.
- I. The Discharger shall maintain all sampling and analytical results, including strip charts; date; exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.
- J. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with the requirements and, where applicable, shall include results of receiving water observations.
- K. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

II. EFFLUENT MONITORING REQUIREMENTS

- A. Prior to installation of the advanced OWTS effluent monitoring is not required. The

Discharger shall implement the effluent monitoring within 24 hours of the installation and start-up of the advanced OWTS. The quarterly reports shall contain the following information:

- a. Average and maximum daily waste flow for each month in the quarter, in gallons per day.
- b. Estimated population served during each month of the quarter.
- c. Results of at least monthly observations in the disposal area for any overflow or surfacing of wastewater.

B. In addition, the Quarterly report shall contain the following information:

- a. Maintenance records for the treatment systems;
- b. Type of preventive or corrective action performed;
- c. Frequency of maintenance;
- d. Periodic pumping schedule of the primary treatment tanks; and
- e. The name of the person responsible for the operation and maintenance of the treatment systems.

C. Effluent sampling stations shall be established at locations where representative samples of treated effluent from each treatment system can be obtained prior to discharge to the leachfields. The following shall constitute the effluent monitoring program:

Table 1 Effluent Limitations

Constituents	Unit	Limits	Test Frequency
Total Flow	gal/day	-	Metered
pH	pH Units	6-9	Quarterly/Monthly ⁶
Total Suspended Solids (TSS)	mg/L	30 ⁴	Quarterly/Monthly ⁶
BOD ₅ 20°C	mg/L	30 ⁴	Quarterly/Monthly ⁶
Turbidity	NTU	10 ⁴	Quarterly/Monthly ⁶
Total Nitrogen ²	mg/L	10	Quarterly/Monthly ⁶
Ammonia-Nitrogen	mg/L	2.4	Quarterly/Monthly ⁶
Nitrate-Nitrogen	mg/L	<10	Quarterly/Monthly ⁶
Nitrite-Nitrogen	mg/L	<1.0	Quarterly/Monthly ⁶
Residual Chlorine ³	µg/L	8	Quarterly/Monthly ⁶
Total Coliform	MPN ¹ /100mL	70/230 ⁵	Quarterly/Monthly ⁷
Fecal Coliform	MPN ¹ /100mL	200/400 ⁵	Quarterly/Monthly ⁷
Enterococcus	MPN ¹ /100mL	35/104 ⁵	Quarterly/Monthly ⁷

¹MPN/100mL: Most Probable Number per 100 milliliter; mg/L: milligrams per liter.

²Total nitrogen includes ammonia-N, nitrite-N, nitrate-N, and organic-N.

³Required if Chlorine is used for disinfection.

⁴OWTS performance evaluation parameters.

⁵Ocean Plan limits for shellfish harvesting area. Median Total Coliform density shall not exceed 70 MPN per 100mL, and not more than 10% of the samples shall exceed 230 MPN per 100mL. Basin Plan limits for water contact recreation: Fecal Coliform and Enterococcus (30-day geometric mean/single sample maximum).

⁶After start-up, the Discharger will be allowed a 12-week start-up to meet the effluent discharge limits in Table 1. Monthly sampling of all effluent parameters will be required during the start-up period.

⁷Bacteria must be sampled monthly during the seven month AB411 ocean monitoring season of April 1st to October 31st. Quarterly monitoring during the winter months November 1st through March 31st. In addition, any exceedance of the above bacteria limitations will require repeat weekly sampling of bacteria until samples demonstrate compliance.

After installation of the new advanced OWTS, the Discharger will be allowed a 12-week start-up period to meet the effluent limitations which are detailed in Table 1 in the WDR transmittal cover letter.

III. GROUNDWATER MONITORING PROGRAM

The existing groundwater program approved by Regional Board staff on April 30, 2003, shall be retained. The existing groundwater monitoring program has adequately evaluated the hydraulic connection and impact to the groundwater nearby ocean. The existing wells, up-gradient well, MW-1, and down-gradient well, MW-2, (see attached Figure 3) maintain their relative positions to the proposed relocated leachfield. Should existing groundwater monitoring wells be damaged during the installation of the advanced OWTS and relocated disposal field, a groundwater monitoring program revision for replacement of damaged well(s) must be prepared under the direction of a California Professional Geologist, or a California Registered Civil Engineer with appropriate experience in hydrogeology. The Discharger must submit the groundwater monitoring well replacement plan for review and approval by the Regional Board Executive Officer. Any new monitoring wells must be installed and sampled prior to discharge from the new advanced OWTS and replacement leachfields. Construction and development of the any replacement wells shall be completed in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 60 days after installation of any new monitoring wells, a well installation report including a scaled plot plan, soil boring logs, water quality data, well permits and as-built well construction diagrams shall be submitted to this Regional Board. Any groundwater monitoring program may be subject to revision after completion of the first year of baseline water quality monitoring.

The following shall constitute the groundwater monitoring program:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
pH	pH units	Grab	quarterly
Total coliform	MPN/100 mL	Grab	quarterly
Fecal coliform	MPN/100 mL	Grab	quarterly
Enterococcus	MPN/100 mL	Grab	quarterly
Ammonia-Nitrogen	mg/L	Grab	quarterly
Nitrate-Nitrogen	mg/L	Grab	quarterly
Nitrite-Nitrogen	mg/L	Grab	quarterly
Organic Nitrogen	mg/L	Grab	quarterly
Total Nitrogen*	mg/L	Grab	quarterly
Residual Chlorine	mg/L	Grab	quarterly
Total Dissolved Solids (TDS)	mg/L	Grab	quarterly
Sulfates	mg/L	Grab	quarterly
Chlorides	mg/L	Grab	quarterly

* Total Nitrogen includes nitrate-N, nitrite-N, ammonia-N and organic nitrogen.

All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly measurement of groundwater levels, recorded to 0.01 feet using a National Geodetic Survey approved datum;
- d. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract;
- e. A summary table of the analytical results; and,
- f. Quarterly calculation of vertical separation of groundwater elevation to bottom of the disposal field.

IV. WASTE HAULING REPORTING

In the event that waste sludge, septage, or other wastes are hauled offsite, the name and address of the hauler shall be reported, along with types and quantities hauled during the reporting period and the location of the final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

V. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VI. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the 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 a fine and imprisonment.

Executed on the _____ day of _____ at _____

_____ (Signature)

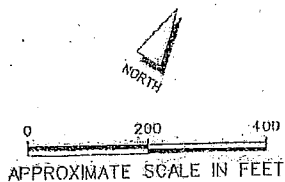
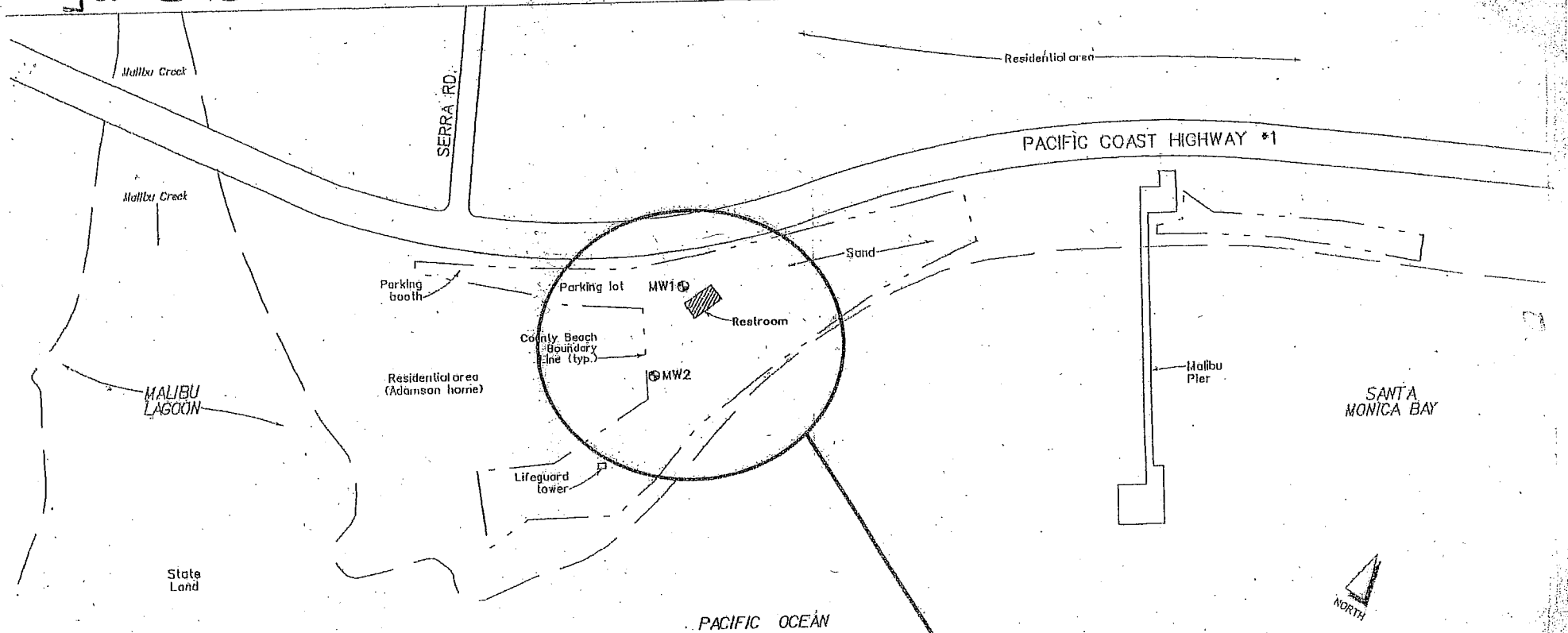
_____ (Title)"

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: Samuel Unger
Samuel Unger
Executive Officer

Date: January 12, 2011

Figure 3



MALIBU LAGOON (SURFRIDER)
COUNTY BEACH
LOS ANGELES COUNTY, CALIFORNIA

Client: LACDPW Project No.: 255-14

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING GROUNDWATER MONITORING
WELL LOCATIONS

Date: APRIL 2004

Figure 3

EXPLANATION

⊙ MW1 GROUNDWATER MONITORING WELL LOCATION

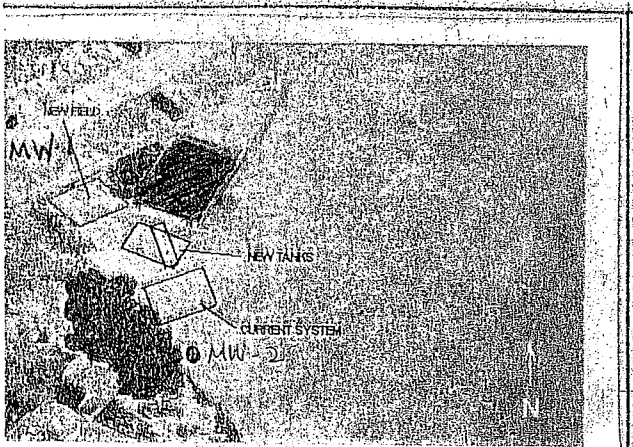


Photo 1 - Southwest portion of the property next to Surfrider Restroom proposed to be used for new system.

WELL LOCATION MAPS