

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-8587
FOR
146 ROSEVILLE CORPORATION FOR MALIBU PROFESSIONAL ARTS BUILDING
23440 CIVIC CENTER WAY
ENROLLMENT UNDER STATE BOARD ORDER NO. 97-10-DWQ (SERIES NO. 011)
(FILE NO. 01-068)**

I. REPORTING REQUIREMENTS

- A. 146 Roseville Corporation (hereafter) Discharger shall implement this monitoring program and Attachment A of Order No. 97-10-DWQ (Septic Tank Monitoring) on the effective date of this enrollment (June 13, 2003) under State Water Resources Control Board Order No. 97-10 DWQ. The first monitoring report under this program, for July-September 2003, shall be received at the Regional Board by October 15, 2003.

Monitoring reports shall 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. By April 15th of each year, beginning April 15, 2004, 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 discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- C. 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.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). The laboratory must meet the United States Environmental Protection Agency

June 13, 2003

(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.

- E. 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 Executive Officer. The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures upon request of the Regional Board.
- F. 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.
- G. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.
- H. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- 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. SEPTIC TANK AND DISPOSAL SYSTEM MONITORING REQUIREMENTS

The Discharger shall implement the requirements for septic tank monitoring described in Attachment A.

III. GROUNDWATER MONITORING PROGRAM

Since there are existing groundwater monitoring wells located in the vicinity of this facility, and the discharge volume is low (approximately 460 gpd), a groundwater monitoring program at this time is not recommended. In the future a groundwater monitoring program may be required to determine whether there is adequate soil bacteria treatment of the discharge, and whether there is sufficient separation between the point of discharge and the depth to groundwater.

After wastewater treatment and disinfection systems have been installed at adjacent facilities with much greater wastewater discharge volumes, a groundwater monitoring program maybe needed to fully evaluate the impact from this facilities' wastewater discharge on groundwater. Upon notification by the Executive Officer that groundwater monitoring is required, the Discharger must submit a groundwater monitoring plan to this Regional Board within 60 days of this notification.

The groundwater monitoring plan submitted shall be subject to the Executive Officer's approval prior to implementation. The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality and the downgradient groundwater quality. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

Upon obtaining the Executive Officer's approval of an adequate groundwater monitoring network plan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 30 days after installation of 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 Board. Because of the low volume of this discharge (460 gpd), after completion of the first year of baseline water quality monitoring, this groundwater monitoring schedule may be subject to waiver or revision of the monitoring well sampling frequency.

The monitoring program must be prepared under the direction of a California Registered Geologist, or Certified Engineering Geologist, or a California Registered Civil Engineer with appropriate experience in hydrogeology.

The following shall constitute the groundwater monitoring program:

<u>Constituents</u>	<u>Units*</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis^[1]</u>
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	µg/L	grab	quarterly
Nitrate-N	Mg/L	grab	quarterly
Nitrite-N	Mg/L	grab	quarterly
Organic Nitrogen	Mg/L	grab	quarterly
Total nitrogen	Mg/L	grab	quarterly
Boron	Mg/L	grab	quarterly
Chloride	Mg/L	grab	quarterly
Sulfate	Mg/L	grab	quarterly
Total dissolved solids (TDS)	Mg/L	grab	quarterly

[1] If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no constituents exceed the baseline, the frequency of analyses shall revert back to quarterly.

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

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. Monthly measurement of groundwater levels, recorded to 0.01 feet mean sea level;
- d. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
- e. Monthly calculation of vertical separation of groundwater levels to bottom of each septic disposal system (leach field and /or seepage pit).

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 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: _____
Dennis A. Dickerson
Executive Officer

Date: June 13, 2003

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
146 ROSEVILLE CORPORATION
MALIBU PROFESSIONAL ARTS BUILDING
23440 CIVIC CENTER WAY
MALIBU, CALIFORNIA

ORDER NO. 97-10-DWG
FILE NO. 01-068

FACILITY ADDRESS

23440 Civic Center Way
Malibu, CA 90625

FACILITY MAILING ADDRESS

3357 Padaro Lane
Carpinteria, CA 93013-1117

PROJECT DESCRIPTION:

The owner of the Malibu Professional Arts Building is 146 Roseville Corporation. This building is located on Civic Center Way, diagonally approximately 200 feet southeast of the Malibu County Administrative Center in the City of Malibu. The facility is comprised of a two-story office building, with a variety of professionals such as doctors, lawyers and dentists. The Malibu Country Marts I and II shopping centers are located south and east respectively.

The facility consists of a 4000-gallon septic tank located under the asphalt of parking lot just a few feet from the southwest corner of the building. The facility has 2000 square feet of leachfield also located under the asphalt parking lot. The Malibu Professional Arts Building is located approximately 1700 feet from the western bank of Malibu Creek and about 2100 feet north of the Pacific Ocean.

The exact depth of the groundwater table is unknown, but it is estimated to be between 6 and eight feet from the discharge point. The surface elevation at the leachfield is +15.5 msl. In coastal areas, the groundwater is generally assumed to be the mean high tide which varies from +1.9 to +2.5 feet msl on Malibu Beaches, but the groundwater is only 6 to 8 feet below the surface of the groundwater monitoring wells installed for Malibu Country Mart II. The shallow groundwater depth at the adjacent the Malibu Country Mart properties may be due to a subsurface tidal channel of greater porosity and/or mounding of groundwater due to the relatively high discharge volume at these busy commercial properties. The only means of definitively determining the separation between groundwater and the wastewater discharge at this site is the installation of groundwater monitoring wells.

Because the groundwater separation is unknown, Regional Board staff are issuing State Board General WDR Order No. 97-10-DWG (**February 25, 2003**) which doesn't require groundwater separation. The MRP requires groundwater monitoring. (**Approval of the groundwater monitoring plan was issued recently, on April 30, 2003.**) The main

purpose of groundwater monitoring is to determine groundwater separation and whether adequate treatment of wastewater is being provided by natural soil bacteria which may exist in the area adjacent to the leachfield. Further complicating the evaluation of the adequacy of the on-site septic disposal system is analyses of both up-gradient and down-gradient groundwater samples indicating high nitrate and bacteria levels. The groundwater flow in the vicinity of the subject facility flows directly southeast toward the Malibu Creek.

VOLUME AND DESCRIPTION OF DISCHARGE:

The estimated volume of discharge from the Surfrider County Beach facilities (Latitude: 34°2.0' 6", Longitude: 118°40' 46") is approximately 2250 gallons per day (gpd). The wastewater is composed of typical residential waste stream and rinsed-off sand and seawater which shall be disposed of using the septic tank disposal system.

STATE OF CALIFORNIA
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MONITORING AND REPORTING PROGRAM NO. CI-8587
FOR
146 ROSEVILLE CORPORATION FOR MALIBU PROFESSIONAL ARTS BUILDING
23440 CIVIC CENTER WAY
SERIES NO. 011
(FILE NO. 01-068)

I. REPORTING REQUIREMENTS

- A. The Discharger shall implement this monitoring program and Attachment A of Order No. 97-10-DWQ (Septic Tank Monitoring) on the effective date of this enrollment (May 27, 2003) under State Water Resources Control Board Order No. 97-10 DWQ. The first monitoring report under this program, for July-September 2003, shall be received at the Regional Board by October 15 2003.

Monitoring reports shall 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. By April 15th of each year, beginning April 15, 2004, 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 discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- C. 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.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services 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

May 27, 2003

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.

- E. 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 Executive Officer. The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures upon request of the Regional Board.
- F. 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.
- G. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- H. 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.
- I. 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.
- J. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

II. SEPTIC TANK AND DISPOSAL SYSTEM MONITORING REQUIREMENTS

The Discharger shall implement the requirements for septic tank monitoring described in Attachment A.

III. GROUNDWATER MONITORING PROGRAM

It has been determined that a groundwater monitoring program is required to determine whether there is sufficient separation between the point of discharge and the depth to groundwater at mean high tide. A groundwater monitoring program is needed to fully evaluate the impact from your wastewater discharge on groundwater. The Discharger must submit a groundwater monitoring plan to this Regional Board within 60 days of this notification. The groundwater monitoring plan submitted shall be subject to the Executive Officer's approval prior to implementation. The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality and the downgradient groundwater quality. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

Upon obtaining Executive Officer's approval of an adequate groundwater monitoring network plan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 30 days after installation of 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 Board. This groundwater monitoring schedule may be subject to revision after completion of the first year of baseline water quality monitoring.

The monitoring program must be prepared under the direction of a California Registered Geologist, or Certified Engineering Geologist, or a California Registered Civil Engineer with appropriate experience in hydrogeology.

The following shall constitute the groundwater monitoring program:

<u>Constituents</u>	<u>Units*</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis^[1]</u>
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Boron	Mg/L	grab	quarterly
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Sulfate	Mg/L	grab	quarterly
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"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: _____
Dennis A. Dickerson
Executive Officer

Date: May 26, 2003