

Los Angeles Regional Water Quality Control Board

April 19, 2013

Mr. Andy Hovey
Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003

REVISED MONITORING AND REPORTING PROGRAM FOR VENTURA REGIONAL SANITATION DISTRICT, MALIBU BAY CLUB WASTEWATER TREATMENT PLANT, 41000 PACIFIC COAST HIGHWAY, VENTURA COUNTY, CALIFORNIA (FILE NO. 72-006, CI NO. 5774, GLOBAL ID WDR100000096)

Dear Mr. Hovey:

On April 5, 2012, this Regional Board adopted Waste Discharger Requirements (WDR) Order No. R4-2012-0073 and Revised Monitoring and Reporting Program CI No. 5774 for the subject facility. The Monitoring and Reporting Program specifies annual groundwater analyses of radioactivity, priority pollutants and constituents of emerging concern (CECs) for the wastewater treatment plant effluent monitoring and monitoring wells PMW-4 and PMW-2 to determine any impacts from the discharge of wastes.

In your correspondence dated February 21, 2013, you requested that the annual radioactivity, priority pollutants and CECs for effluent and groundwater monitoring of the upgradient monitoring well (PMW-4), the downgradient monitoring well (PMW-2) be waived since effluent and groundwater monitoring analyses of radioactivity and priority pollutants for the past 8 years indicate that there is no exceedance on the radioactivity and priority pollutants detected on the locations of monitoring wells PMW-4 and PMW-2 and the wastewater treatment plant effluent.

Based on staff review of the monitoring reports submitted from 1st Quarter 2006 to 4th Quarter 2012; staff agrees that the annual groundwater monitoring for the upgradient monitoring well (PMW-4) and the downgradient monitoring well (PMW-2), and the wastewater treatment plant should be reduced. Therefore, groundwater monitoring for the upgradient monitoring well (PMW-4), the downgradient monitoring well (PMW-2) and the wastewater treatment plant shall be performed every two (2) years. However, your request for reduction of the effluent monitoring and groundwater monitoring of CECs from annual to every five (5) years is not granted since not enough data is available. The revised Monitoring and Reporting Program (MRP) No. 5774 is attached for your information.

Mr. Andy Hovey
Ventura Regional Sanitation District

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If you have any questions, please contact the Project Manager, Ms. Mercedes Merino at (213) 620-6156 (mmerino@waterboards.ca.gov), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (ewu@waterboards.ca.gov).

Sincerely,



Samuel Unger, P. E.
Executive Officer

cc (via email): Mr. Jason Siegert, Ventura Regional Sanitation District
Mr. Peter Bozek, Environmental Health Division, County of Ventura
Ms. Melinda Talent, Environmental Health Division, County of Ventura

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

REVISED MONITORING AND REPORTING PROGRAM CI NO. 5774
FOR
VENTURA REGIONAL SANITATION DISTRICT
(MALIBU BAY CLUB WASTEWATER TREATMENT PLANT)

ORDER NO. R4-2012-0073
(File No. 72-006)

This Order is issued pursuant to Water Code section 13267, which authorizes the Regional Water Quality Control Board, Los Angeles Region (Regional Board) to require the discharger to submit technical and monitoring report. The reports required by this Monitoring and Reporting Program (MRP) are necessary to determine compliance with the waste discharge requirements and ensure protection of the beneficial uses of water of the state and public health.

I. REPORTING REQUIREMENTS

- A. The Ventura Regional Sanitation District (hereinafter, Discharger) shall implement this revised monitoring and reporting program starting April 19, 2013. The first monitoring report for April to June 2013 under this Program is due by July 15, 2013.

Monitoring reports shall be received by the Regional Board 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 January 30th of each year, beginning January 30, 2014, 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. 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). A copy of the laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.
- D. The monitoring report shall specify the United States Environmental Protection Agency (USEPA) analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML) for each pollutant. For the purpose of reporting compliance with numerical limitations, and receiving water limitations, analytical data shall be reported by one of the following methods, as appropriate:
1. An actual numerical value for sample results greater than or equal to the ML;
 2. "Detected, but Not Quantified (DNQ)" for sample results greater than or equal to the laboratory's MDL but less than the ML; or,
 3. "Not Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, February 24, 2005*.

- E. The 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 quality assurance/quality control (QA/QC) procedures upon request by the Regional Board.
- F. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All Quality Assurance/Quality Control (QA/QC) samples must be run on the same dates when samples were actually analyzed. At least once a year, the Discharger shall maintain and update a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff.
- 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 Public 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 completed chain of custody form shall be submitted with the report.

- 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: 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.

II. WATER QUALITY MONITORING REQUIREMENTS

A. Influent Monitoring

- 1. The Discharger shall measure the monthly average and maximum daily waste flow from the facility.

B. Effluent Monitoring

An effluent sampling station(s) shall be established for the Malibu Bay Club Wastewater Treatment Plant (Malibu Bay Club WWTP) at a location(s) where representative samples of treated wastewater can be obtained prior to discharge to the leachfields. The effluent sampling station for the existing Malibu Bay Club WWTP shall remain the same as has been previously used. Any proposed change of the sampling location for the Malibu Bay Club WWTP shall be identified and approved by the Executive Officer prior to its use.

The following shall constitute the effluent monitoring program for the Malibu Bay Club WWTP:

Constituent	Units ²	Type of Sample	Minimum Frequency ³ of Analysis
Total Flow ¹	gallon/day	recorder	continuous
pH	pH units	grab	monthly
Total suspended solids	mg/L	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Oil & Grease	mg/L	grab	monthly
Total coliform	MPN/100mL	grab	monthly
Fecal coliform	MPN/100mL	grab	monthly
Enterococcus	MPN/100mL	grab	monthly
Nitrite-N	mg/L	grab	monthly
Nitrate-N	mg/L	grab	monthly
Ammonia-N	mg/L	grab	monthly
Organic nitrogen	mg/L	grab	monthly
Total Phosphorus as P	mg/L	grab	monthly
Total nitrogen	mg/L	grab	monthly
Residual chlorine ⁴	mg/L	grab	monthly
MBAS (Surfactants)	mg/L	grab	monthly
Radioactivity ⁵	pCi/L	grab	biannual
Priority pollutants ⁵	µg/L	grab	biannual
CEC ⁶	µg/L	grab	annually

¹For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.

²mg/L=milligrams per liter; MPN/100mL=most probable number per 100 m/L; µg/L=micrograms per liter; pCi/L=picocuries per liter.

³If the monitoring test results exceed the effluent limitations, the monitoring frequency of those constituents shall be restored to monthly, at least four consecutive months, to demonstrate compliance with limitations.

⁴if chlorination is used for during the disinfection process

⁵Effluent monitoring for radioactivity and priority pollutants shall be performed every two (2) years. See Appendix A to 40 CFR, Part 423 for list of priority pollutants

⁶See Attachment B for the list of California Emerging Chemicals.

The quarterly reports shall contain the following information:

1. Average and maximum daily waste flow for each month of the quarter, in gallons per day.
2. Estimated population served during each month of the reporting period.

III. GROUNDWATER MONITORING PROGRAM

The groundwater monitoring program for the Malibu Bay Club WWTP disposal system consists of a network of two monitoring wells (PMW-2 and PMW-4) installed around the Malibu Bay Club WWTP and leachfields.

The following shall constitute the groundwater monitoring program Malibu Bay Club WWTP:

Constituent	Units ¹	Type of Sample	Minimum Frequency ² of Analysis
pH	pH units	grab	Quarterly
Total coliform	MPN/100mL	grab	Quarterly
Fecal coliform	MPN/100mL	grab	Quarterly
Enterococcus	MPN/100mL	grab	Quarterly
BOD ₅ 20°C	mg/L	grab	Quarterly
Nitrite-N	mg/L	grab	Quarterly
Nitrate-N	mg/L	grab	Quarterly
Ammonia-N	mg/L	grab	Quarterly
Organic Nitrogen	mg/L	grab	Quarterly
Phosphorus	mg/L	grab	Quarterly
MBAS (Surfactants)	mg/L	grab	Quarterly
Residual chlorine ³	mg/L	grab	Quarterly
Total nitrogen	mg/L	grab	Quarterly
Radioactivity ⁴	pCi/L	grab	biannual
Priority pollutants ⁴	µg/L	grab	biannual
CEC ⁵	µg/L	grab	annually

¹mg/L=milligrams per liter; MPN/100mL=most probable number per 100 mL; µg/L=micrograms per liter; pCi/L=picocuries per liter.

²If the monitoring test results exceed the effluent limitations, the monitoring frequency of those constituents shall be restored to monthly, at least four consecutive months, to demonstrate compliance with limitations.

³If chlorination is used in the disinfection process

⁴Groundwater monitoring for radioactivity and priority pollutants shall be performed every two (2) years on upgradient monitoring well PMW-4 and downgradient monitoring well PMW-2. See Appendix A to 40 CFR, Part 423 for list of priority pollutants

⁵See Attachment B for the list of California Emerging Chemicals.

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

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification; and

- c. Quarterly observation of groundwater levels, recorded to .01 feet mean sea level, flow direction.
- d. Vertical separation of the water table from the bottom of the seepage pits.

IV. WASTE HAULING REPORTING

In the event that waste oil and grease, sludge, 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. OPERATION AND MAINTENANCE REPORT

The Discharger shall file a technical report with the Executive Officer, not later than 30 days after receipt of these Waste Discharge Requirements (WDRs) relative to the operation and maintenance program for the Malibu Bay Club WWTP. The information to be contained in the report shall include, at a minimum, the following:

- a. The name and address of the person or company responsible for the operation and maintenance of the facility;
- b. Type of maintenance (preventive or corrective action performed);
- c. Frequency of maintenance, if preventive; and
- d. Periodic pumping out of the digester/sludge tank.

This operation and maintenance report shall be filed with the annual summary report.

VI. ELECTRONIC SUBMITTAL OF INFORMATION

Dischargers are directed to submit all reports required under the waste Discharger requirements (WDRs) adopted by the Regional Board including groundwater monitoring analytical data and discharge location data, to the State Water Resources Control Board GeoTracker database under Global ID WDR100000096.

VII. CERTIFICATION STATEMENT

Each report shall contain the following 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)"

VIII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted to a less frequent basis or parameters dropped by the Executive Officer if the Discharger makes a request and the Executive Officer determines that the request is adequately supported by statistical trends of monitoring data submitted.

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, P.E.
Executive Officer

Date: April 19, 2013

Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene	047 Bromoform (tribromomethane)	090 Dieldrin
002 Acrolein	048 Dichlorobromomethane	091 Chlordane (technical mixture and metabolites)
003 Acrylonitrile	051 Chlorodibromomethane	092 4,4-DDT
004 Benzene	052 Hexachlorobutadiene	093 4,4-DDE (p,p-DDX)
005 Benzidine	053 Hexachlorocyclopentadiene	094 4,4-DDD (p,p-TDE)
006 Carbon tetrachloride (tetrachloromethane)	054 Isophorone	095 Alpha-endosulfan
007 Chlorobenzene	055 Naphthalene	096 Beta-endosulfan
008 1,2,4-trichlorobenzene	056 Nitrobenzene	097 Endosulfan sulfate
009 Hexachlorobenzene	057 2-nitrophenol	098 Endrin
010 1,2-dichloroethane	058 4-nitrophenol	099 Endrin aldehyde
011 1,1,1-trichloroethane	059 2,4-dinitrophenol	100 Heptachlor
012 Hexachloroethane	060 4,6-dinitro-o-cresol	101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
013 1,1-dichloroethane	061 N-nitrosodimethylamine	102 Alpha-BHC
014 1,1,2-trichloroethane	062 N-nitrosodiphenylamine	103 Beta-BHC
015 1,1,2,2-tetrachloroethane	063 N-nitrosodi-n-propylamin	104 Gamma-BHC (lindane)
016 Chloroethane	064 Pentachlorophenol	105 Delta-BHC (PCB-polychlorinated biphenyls)
018 Bis(2-chloroethyl) ether	065 Phenol	106 PCB-1242 (Arochlor 1242)
019 2-chloroethyl vinyl ether (mixed)	066 Bis(2-ethylhexyl) phthalate	107 PCB-1254 (Arochlor 1254)
020 2-chloronaphthalene	067 Butyl benzyl phthalate	108 PCB-1221 (Arochlor 1221)
021 2,4, 6-trichlorophenol	068 Di-N-Butyl Phthalate	109 PCB-1232 (Arochlor 1232)
022 Parachlorometa cresol	069 Di-n-octyl phthalate	110 PCB-1248 (Arochlor 1248)
023 Chloroform (trichloromethane)	070 Diethyl Phthalate	111 PCB-1260 (Arochlor 1260)
024 2-chlorophenol	071 Dimethyl phthalate	112 PCB-1016 (Arochlor 1016)
025 1,2-dichlorobenzene	072 1,2-benzanthracene (benzo(a)anthracene)	113 Toxaphene
026 1,3-dichlorobenzene	073 Benzo(a)pyrene (3,4-benzo-pyrene)	114 Antimony
027 1,4-dichlorobenzene	074 3,4-Benzofluoranthene (benzo(b)fluoranthene)	115 Arsenic
028 3,3-dichlorobenzidine	075 11,12-benzofluoranthene (benzo(b)fluoranthene)	116 Asbestos
029 1,1-dichloroethylene	076 Chrysene	117 Beryllium
030 1,2-trans-dichloroethylene	077 Acenaphthylene	118 Cadmium
031 2,4-dichlorophenol	078 Anthracene	119 Chromium
032 1,2-dichloropropane	079 1,12-benzoperylene (benzo(ghi)perylene)	120 Copper
033 1,2-dichloropropylene (1,3-dichloropropene)	080 Fluorene	121 Cyanide, Total
034 2,4-dimethylphenol	081 Phenanthrene	122 Lead
035 2,4-dinitrotoluene	082 1,2,5,6-dibenzanthracene (dibenzo(h)anthracene)	123 Mercury
036 2,6-dinitrotoluene	083 Indeno (1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)	124 Nickel
037 1,2-diphenylhydrazine	084 Pyrene	125 Selenium
038 Ethylbenzene	085 Tetrachloroethylene	126 Silver
039 Fluoranthene	086 Toluene	127 Thallium
040 4-chlorophenyl phenyl ether	087 Trichloroethylene	126 Silver
041 4-bromophenyl phenyl ether	088 Vinyl chloride (chloroethylene)	128 Zinc
042 Bis(2-chloroisopropyl) ether	089 Aldrin	129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)
043 Bis(2-chloroethoxy) methane		
044 Methylene chloride (dichloromethane)		
045 Methyl chloride (dichloromethane)		
046 Methyl bromide (bromomethane)		

ATTACHMENT B

Parameter	Units
17 α -Ethinyl Estradiol	ng/L
17 β -Estradiol	ng/L
Estrone	ng/L
Bisphenol A	ng/L
Nonylphenol and nonylphenol polyethoxylates	ng/L
Octylphenol and octylphenol polyethoxylates	ng/L
Polybrominated diphenyl ethers	ng/L
Acetaminophen	ng/L
Amoxicillin	ng/L
Azithromycin	ng/L
Carbamazepine	ng/L
Caffeine	ng/L
Ciprofloxacin	ng/L
DEET	ng/L
Dilantin	ng/L
Gemfibrozil	ng/L
Ibuprofen	ng/L
Lipitor	ng/L
Primidone	ng/L
Sulfamethoxazole	ng/L
Trimethoprim	ng/L
Salicylic acid	ng/L
TCEP	ng/L
Triclosan	ng/L