

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

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**REVISED MONITORING AND REPORTING PROGRAM CI NO. 8342
FOR
THE KISSEL COMPANY, INC. AND
PARADISE COVE LAND COMPANY, LLC
PARADISE COVE MOBILE HOME PARK AND
PARADISE COVE BEACH CAFÉ
(FILE NO. 01-083)**

This Revised Monitoring and Reporting Program (MRP) CI No. 8342 is issued pursuant to California Water Code section 13267, which authorizes the Regional Water Quality Control Board, Los Angeles Region (Regional Board) to require The Kissel Company, Inc. and the Paradise Cove Land Company, LLC (hereinafter collectively referred to as Dischargers) to submit technical and monitoring reports. The reports required herein are necessary to assure compliance with prescribed waste discharge requirements (WDRs) and water reclamation requirements in Order No. R4-2016-XXXX and to protect the waters of the state and their beneficial uses. The evidence that supports the need for the reports is set forth in the WDRs and the Regional Board record.

I. SUBMITTAL OF REPORTS

1. The Dischargers shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including electronic data format (EDF) effluent and groundwater monitoring data, use of recycled water data, discharge location data, and pdf monitoring to the State Water Resources Control Board (State Water Board) GeoTracker database under Global ID WDR100026601 on the dates indicated as follows:
 - A. **Quarterly Monitoring Reports** shall be received at the Regional Board by the 30th day of the month following the end of each quarterly monitoring period according to Table 1. The first monitoring report under this program shall be received at the Regional Board by July 30, 2015.

Table 1. Reporting Period and Due Dates

Reporting Period	Report Due
January - March	April 30
April - June	July 30
July - September	October 30
October – December	January 30

- B. **Annual Summary Report** shall be received at the Regional Board by March 1 of each year. The first Annual Summary Report under this program shall be received at the Regional Board by March 1, 2017.
2. If there is no discharge during any reporting period, the report shall so state.

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3. Data collected from monitoring wells shall be included in the quarterly and annual report. The data shall include the well specifications, ordinances, well heads elevation to mean sea level (MSL) and the method to develop the well. The construction of wells shall follow *California Well Standards* of the California Department of Water Resources.
4. All report shall be prepared by or under the direction of a licensed engineer in the State of California or a certified hydrogeologist in the State of California. All monitoring reports must include, at minimum, the following:
 - A. Well and surface water station identification, date and time of sampling;
 - B. Sampler identification, and laboratory identification; and,
 - C. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level (MSL), and flow direction.

II. MONITORING REQUIREMENTS

1. Monitoring shall be used to determine compliance with the requirements of Regional Board Order No. R4-2016-XXXX and shall include, but not be limited to, implementation, documentation, and reporting of the following:
 - A. Locations of each monitoring point, including groundwater wells, where representative samples can be obtained and the rationale for the selection. The Dischargers must include a map, at a scale of 1 inch equals 1,200 feet or less, that clearly identifies the locations of all sampling locations.
 - B. Sampling protocols (specified in Title 40 Code of Federal Regulations (CFR) Part 136 or American Water Works Association (AWWA) standards where appropriate) and chain of custody procedures.
 - C. Laboratory or laboratories, which conducted the analyses. Include copy or copies of laboratory certifications by the State Water Board Environmental Laboratory Accreditation Program (ELAP) every year or when the Discharger changes their contract laboratory.
 - D. Analytical test methods used and the corresponding detection limits for purposes of reporting (DLRs) for unregulated and regulated chemicals. For regulated chemicals, please see the State Water Board website at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.shtml
 - E. Quality assurance and control measures.
2. Unless specified differently below, the samples shall be analyzed using analytical methods described in 40 CFR Part 136; or where no methods are specified for a given pollutant, by commercially available methods approved by the United States Environmental Protection Agency (USEPA), the Regional Board, and/or

the State Water Board. The Dischargers shall select the analytical methods that provide reporting detection limits (RDLs) lower than the limits prescribed in the accompanying Regional Board Order No. R4-2016-XXXX.

3. The Dischargers shall instruct its laboratories to establish calibration standards so that the detection limit reporting (DLRs) (or its equivalent if there is a different treatment of samples relative to calibration standards) are the lowest calibration standard. At no time shall the Discharger use analytical data derived from extrapolation beyond the lowest point of the calibration curve.
4. Upon request by the Discharger, the Regional Board, in consultation with the State Water Board Quality Assurance Program, may establish DLRs, in any of the following situations:
 - A. When the pollutant has no established method under 40 CFR Part 136 (revised May14, 1999, or subsequent revision);
 - B. When the method under 40 CFR Part 136 for the pollutant has a DLR higher than the limit specified in this Order; or
 - C. When the Discharger agrees to use a test method that is more sensitive than those specified in 40 CFR Part 136 and is commercially available.
5. Samples of disinfected effluent must be analyzed within allowable holding time limits as specified in 40 CFR Section 136.3. All quality assurance and quality control (QA/QC) analyses must be run on the same dates when samples were actually analyzed. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by the Regional Board. Proper chain of custody procedures must be followed and a copy of that documentation shall be submitted with the quarterly report.
6. For unregulated chemical analyses, the Discharger shall select methods according to the following approach:
 - A. Use drinking water, if available;
 - B. Use DDW-recommended methods for unregulated chemicals, if available;
 - C. If there is no DDW-recommended water and wastewater method for a chemical, and more than a single USEPA-approved method is available, use the most sensitive of the USEPA-approved methods;
 - D. If there is no USEPA-approved method for a chemical, and more than one method is available from the scientific literature and commercial laboratory, after consultation with DDW, use the most sensitive method;
 - E. If no approved method is available for a specific chemical, the Dischargers' laboratory may develop or use its own methods and should provide the analytical methods to DDW or the Regional Board for review. Those methods

may be used until DDW-recommended or EPA-approved methods are available.

- F. If the only method available for a chemical is for wastewater analysis (e.g., a chemical listed as a priority pollutant only), sample and analyze for that chemical in the treated and disinfected effluent immediately increase the likelihood of detection. Use this approach until the Dischargers' laboratory develops a method for the chemical in drinking water, or until a DDW-recommended or EPA-approved drinking water method is available.
- G. The Discharger is required to inform the Regional Board, in event that D, E, F is occurring.

7 For constituents of emerging concern (CECs) analyses:

CECs (see Attachment A) are being collected to determine occurrence of these compounds in the effluent. Currently, there are no numeric water quality objectives for the constituents listed in Attachment B. The attached reporting limits shall be used for these constituents.

III. REPORTING REQUIREMENTS

The Dischargers shall submit all reports, shown on Section I. All quarterly, and annual monitoring reports shall contain a separate section titled "Summary of Non-Compliance", which discusses the compliance records and corrective actions taken or planned that may be needed to bring the effluent into full compliance with water discharge requirements. This section shall clearly list all non-compliance with the WDRs/WRRs during the reporting period, as well as all excursions of effluent limitations.

1. Quarterly reports

- A. These reports shall include, at a minimum, the following information:
 - a. The volume of the final effluent and the final effluent used for recycled water. If no recycled water is used during the quarter, the report shall so state.
 - b. The date and time of sampling and analyses.
 - c. All analytical results of samples collected during the monitoring period of the final effluent and recycled water.
 - d. Records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any discharge(s) used for non-potable Title 22 recycled water applications including landscape irrigation.
 - e. Documentation of all QA/QC procedures that were followed during sampling and laboratory analyses.

- f. Discussion of compliance, noncompliance, or violation of requirements.
 - g. All corrective or preventive action(s) taken or planned with schedule of implementation, if any violation occurs.
 - h. The Los Angeles County Waterworks District 29 water quality data containing information on the quality and quantity of the water sources to the service area for the Paradise Home Mobile Home Park and the Paradise Cove Beach Café.
- B. For the purpose of reporting compliance with numerical limitations, analytical data shall be reported using the following reporting protocols:
- a. Sample results greater than or equal to the RDL must be reported “as measured” by the laboratory (i.e., the measured chemical concentration in the sample); or
 - b. Sample results less than the RDL, but greater than or equal to the laboratory’s method detection limit (MDL), must be reported as “Detected, but Not Quantified”, or DNQ. The laboratory must write the estimated chemical concentration of the sample next to DNQ as well as the words “Estimated Concentration” (may be shortened to Est. Conc.); or
 - c. Sample results less than the laboratory’s MDL must be reported as “Not-Detected”, or ND.

If more than one analytical test method is available for a given parameter, the City must select the test method with lowest Minimum Level.

- C. If the Dischargers samples and performs analyses (other than for process/operational control, startup, research, or equipment testing) on any sample more frequently than required in this MRP using approved analytical methods, the results of those analyses shall be included in the report. These results shall be included in the calculation of the average used in demonstrating compliance with average effluent limitations, receiving groundwater water limitations.
- D. The Regional Board may request supporting documentation, such as daily logs of operations.

2. Annual Reports

- A. Tabular and graphical summaries of the monitoring data quantity and quality of potable water quality of effluent, and groundwater; quantity of effluent to effluent storage equalization tank and sewer, and effluent used for recycled water applications) obtained during the previous calendar year. A comparison of laboratory results against effluent limits contained in these WDR/WRRs and notations of any exceedances of limits or other requirements shall be summarized and submitted at the beginning of the report.

- B. Discussion of the compliance record and corrective or preventive action(s) taken or planned that may be needed to bring the treated effluent, including the treated effluent used for recycled water, into full compliance with the requirements prescribed in Regional Board Order No. R4-2016-XXXX.
- C. An in-depth discussion of the results of the final effluent monitoring and groundwater monitoring conducted during the previous year.
- D. The description of any changes and anticipated changes including any impacts in operation of any unit processes or facilities shall be provided.
- E. A list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures shall be included. The report shall restate, for the record, the laboratories used by the Dischargers to monitor compliance with Regional Board Order No. R4-2016-XXXX, their status of certification, and provide a summary of performance.
- F. The report shall confirm operator certification and provide a list of current operating personnel, their responsibilities, and their corresponding grade of certification.
- G. The report shall also include the date of the Paradise Cove Wastewater Treatment Plant Operation and Maintenance Management Plan, the date the plan was last reviewed, and whether the plan is complete and valid.

IV. WATER QUALITY MONITORING REQUIREMENTS

A. EFFLUENT MONITORING REQUIREMENTS

- 1. An effluent monitoring station(s) shall be established for the Paradise Cove Wastewater Treatment Plant at location(s) where representative samples passing the final disinfection and filtration process can be obtained prior to discharge for recycled water use or for disposal to the seepage pits.
- 2. The following shall constitute the effluent monitoring program, specified in Table 2:

Table 2. Effluent Monitoring Program

Constituent	Units ³	Type of Sample	Minimum Frequency of Analysis
Total flow ¹	gal/day	recorder	continuous
Total coliform	MPN/100mL	grab	weekly
Fecal coliform	MPN/100mL	grab	weekly
Enterococcus	MPN/100mL	grab	weekly
E. Coli	MPN/100mL	grab	weekly
Turbidity	NTU	grab	weekly

Constituent	Units ³	Type of Sample	Minimum Frequency of Analysis
pH	pH Units	grab	monthly
BOD ₅ 20°C ²	mg/L	grab	monthly ⁴
Total suspended solids	mg/L	grab	monthly ⁴
Oil and grease	mg/L	grab	monthly
MBAS	mg/L	grab	monthly
Ammonia-N	mg/L	grab	monthly ⁴
Nitrite-N	mg/L	grab	monthly ⁴
Nitrate-N	mg/L	grab	monthly ⁴
Organic nitrogen	mg/L	grab	monthly ⁴
Total nitrogen ⁵	mg/L	grab	monthly ⁴
Total dissolved solids	mg/L	grab	monthly
Sulfate	mg/L	grab	monthly
Chloride	mg/L	grab	monthly
Boron	mg/L	grab	monthly
Priority Pollutants ⁶	µg/L	grab	annually
CECs ⁷	µg/L	grab	annually ⁸

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

²BOD₅20°C=Biochemical oxygen demand

³mg/L=milligrams per liter; µg/L: microgram per liter; °F: degree Fahrenheit; MPN/100mL=most probable number per 100 milliliters; NTU= Nephelometric turbidity units; pCi/L=picocuries per liter.

⁴During the startup period of the first three months, this constituent shall be monitored weekly.

⁵Total nitrogen= nitrate-N + nitrite-N + ammonia-N + Organic Nitrogen

⁶See Appendix A to 40 CFR, Part 423 for list of priority pollutants

⁷See Attachment B for the list of California Constituents of Emerging Concerns (CECs)

⁸The Dischargers shall monitor the CECs in the effluent discharger. Analysis of CECs is for monitoring of occurrence purposes only. Analytical results obtained will not be used for compliance determination purposes.

3. CECs, listed in Attachment B, shall be monitored annually. The Executive Officer may add or delete chemicals from this list as new analytical methods become available and may also make revisions to approved analytical methods as needed. A revised CECs list will be made available to the City when changes occur. The Dischargers shall request (and submit a justification for) any deviation from the attached list for Executive Officer approval, if a change is required, before collecting samples.
4. The quarterly reports shall contain the following information:
 - a. Average and maximum daily waste flow (effluent from wastewater treatment system) for each month of the quarter in gallons per day.
 - b. Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

- c. In addition, the Discharger shall annually inspect the wastewater treatment system, including the disposal area, and submit an operation and maintenance report on the system (See section VI, page T-8).

B. GROUNDWATER MONITORING PROGRAM

The groundwater monitoring program for the Paradise Cove Wastewater Treatment Plant consists of a network of nine monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-11, MW-12, and MW-14A) installed around the Paradise Cove Mobile Home Park, Paradise Cove Beach Café, and the seepage pits.

The following shall constitute the groundwater monitoring program, specified in Table 3:

Table 3. Groundwater Monitoring Program

Constituent	Units ¹	Type of Sample	Minimum Frequency of Analysis
pH	pH Units	grab	quarterly
Total coliform	MPN/100mL	grab	quarterly
Fecal coliform	MPN/100mL	grab	quarterly
Enterococcus	MPN/100mL	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Organic nitrogen	mg/L	grab	quarterly
Total nitrogen ³	mg/L	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Priority pollutants ⁴	µg/L	grab	annually ⁵
CECs ⁶	µg/L	grab	Annually ⁷

¹mg/L=milligrams per liter; MPN/100mL=most probable number per 100 milliliters

²BOD₅ 20°C=Biochemical oxygen demand

³Total nitrogen = nitrate-N + nitrite-N + ammonia-N + Organic Nitrogen

⁴See Appendix A to 40 CFR, Part 423 for list of priority pollutants

⁵Groundwater monitoring for priority pollutants shall be performed annually during the first five years of the WDRs adoption, and once every five (5) years thereafter.

⁶See Attachment B for the list of California Constituents of Emerging Concerns (CECs)

⁷The Dischargers shall monitor the CECs in the effluent discharger. Analysis of CECs is for monitoring of occurrence purposes only. Analytical results obtained will not be used for compliance determination purposes.

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 mean sea level;
- d. An assessment of the hydraulic connection, if any, between the disposal areas, groundwater and surface water; and
- e. Groundwater contour map depicting the direction of groundwater flow across the Paradise Cove Mobile Home Park.

V. GENERAL REPORTING AND REPORTING REQUIREMENTS

1. The Dischargers shall comply with all Standard Provisions related to monitoring, reporting, and recordkeeping.
2. For every item where the requirements are not met, the Dischargers shall submit a statement of the actions undertaken or proposed that will bring the treated effluent and/or treated effluent used for the recycled water program into full compliance with requirements at the earliest possible time, and submit a timetable for implementation of the corrective measures.
3. Monitoring reports shall be signed by either the principal Executive Officer or ranking elected official. A duly authorized representative of the aforementioned signatories may sign documents if:
 - A. The authorization is made in writing by the signatory;
 - B. The authorization specifies the representative as either an individual or position having responsibility for the overall operation of the regulated facility or activity; and,
 - C. The written authorization is submitted to the Executive Officer of this Regional Board.
4. The monitoring 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)"

5. The Dischargers shall retain records of all monitoring information, including all calibration and maintenance, monitoring instrumentation, and copies of all reports required by this Order, for a period of at least three (3) years from the date of sampling measurement, or report. This period may be extended by request of the Regional Board at any time and shall be extended during the course of any unresolved litigation regarding the regulated activity.
6. Records of monitoring information shall include:
 - A. The date, exact place, and time of sampling or measurements;
 - B. The individual(s) who performed the sampling or measurements;
 - C. The date(s) analyses were performed;
 - D. The individual(s) who performed the analysis;
 - E. The analytical techniques or methods used; and
 - F. The results of such analyses.
7. The Dischargers shall submit to the Regional Board, together with the first monitoring report required by this Order, a list of all chemicals and proprietary additives that could affect the quality of the treated effluent and the treated effluent used for recycled water, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly. An annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used in the treatment process shall be included in the annual report.

VI. 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.

VII. OPERATION AND MAINTENANCE REPORT

The Dischargers shall annually submit a technical report to the Executive Officer relative to the operation and maintenance program for the Paradise Cove Wastewater Treatment Plant and disposal site at the Paradise Cove Mobile Home Park and Paradise Cove Beach Café wastewater treatment systems. The information to be contained in the report shall include the following:

- a. Results of annual inspection;
- b. The name of the person responsible for the operation and maintenance of the facility;
- c. The maintenance records for the wastewater treatment system;
- d. Type of maintenance (preventive or corrective action performed);
- e. Frequency of maintenance, if preventive;
- f. Maintenance record of leachfields disposal system; and
- g. Results of at least monthly observations in the disposal area for any overflow or surfacing of waste.

This operations and maintenance record shall be kept current and filed with the annual report due by March 1.

VIII. 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.

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, PE
Executive Officer

Date: June 9, 2016