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## Central Valley Regional Water Quality Control Board

14 February 2018

Mike and Monica Schwenne  
Golden Hills Mobile Home Park  
4400 Johanna Road  
Aptos, California 95003

**Certified Mail:**  
**7017 1070 0000 8970 8809**

### **NOTICE OF APPLICABILITY (NOA), STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ-R5245, GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS, MIKE AND MONICA SCHWENNE, GOLDEN HILLS MOBILE HOME PARK, MARIPOSA COUNTY**

On 1 December 2014, Mike and Monica Schwenne (Discharger) submitted a Report of Waste Discharge (RWD) for Golden Hills Mobile Home Park Wastewater Treatment System (Facility). Additional information was provided on 27 October 2017 and 19 January 2018 by Don Nessler with Sierra Clean Water Services on the behalf of the Discharger. Based on the information provided, the Facility treats and disposes of less than 100,000 gallons per day (gpd), and is therefore eligible for coverage under the general and specific conditions of the State Water Resources Control Board (State Water Board) Water Quality Order 2014-0153-DWQ *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). This letter serves as formal notice that the General Order is applicable to your system and the wastewater discharge described below upon the rescission of Order 86-230. You are hereby assigned General Order **2014-0153-DWQ-R5245** for your system.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which describe mandatory discharge and monitoring requirements. Sampling, monitoring, and reporting requirements applicable to your treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached Monitoring and Reporting Program (MRP) No. 2014-0153-DWQ-R5245. This MRP was developed after consideration of your waste characterization and site conditions described in the attached memorandum.

### **DISCHARGE DESCRIPTION**

The Facility is located at 10265 Piney Creek Road, Coulterville in Mariposa County, approximately seven miles west of Coulterville off of Highway 132. The Facility treats domestic wastewater from a small community of 12 occupied mobile homes. Typical daily throughput in the treatment system is approximately 900 to 1,200 gpd in dry weather and 1,300 to 1,600 gpd during periods of rain. The Facility is a small package plant consisting of an aeration tank and clarifier with an average design capacity of 2,000 gpd equipped with four ponds that are built in series. On average the first pond fills and overflows to the second pond and typically does not overflow to the third and fourth ponds.

## FACILITY SPECIFIC REQUIREMENTS

The Discharger will maintain exclusive control over the discharge and shall comply with the terms and conditions of this NOA, General Order 2014-0153-DWQ, with all attachments, and MRP No. 2014-0153-DWQ-R5245. In accordance with the requirements of the General Order, discharges with flow rates less than 20,000 gpd are not required to meet a nitrogen effluent limitation.

In accordance with Section B.1.a. of the General Order, treated wastewater discharged to the Facility's pond system shall not exceed 2,000 gpd as a monthly average.

The General Order states in Section B.1.l that the Discharger shall comply with the setbacks as described in Table 3. This table summarizes different setback requirements for wastewater system equipment, activities, land application areas, and storage and/or treatment ponds from sensitive receptors and property lines where applicable. The Discharger shall comply with the applicable setback requirements, as summarized in the following table:

<b>Site Specific Applicable Setback Requirements</b>		
<b>Equipment or Activity</b>	<b>Domestic Well</b>	<b>Property Line</b>
Aerobic Treatment System	150 ft. <sup>1</sup>	5 ft. <sup>2</sup>
Impoundment (undisinfected secondary recycled water) <sup>3</sup>	150 ft. <sup>4</sup>	50 ft.

1. Setback established by Onsite Wastewater Treat System Policy, section 7.5.6.

2. Setback established by California Plumbing Code, Table K-1.

3. Undisinfected secondary recycled water is defined in California Code of Regulations, title 22, section 60301.900.

4. Setback established by California Code of Regulations, title 22, section 60310(d).

The Discharger shall comply with the aerobic treatment unit requirements specified in Section B.3. of the General Order. In particular, the General Order states in Section B.3.e that the aerobic treatment unit shall be pumped when any of the following conditions exists.

- i. The combined thickness of sludge and scum exceeds one-third of the tank depth of the final settling tank or interferes with the operation of the system.
- ii. The scum layer is within 3 inches of the outlet device.
- iii. The sludge layer is within 8 inches of the outlet device.

The Discharger shall comply with the pond system requirements specified in Section B.5 of the General Order. Section B.5.a states that sufficient freeboard shall be maintained at all times in ponds to provide adequate storage capacity and prevent wastewater spills. Freeboard shall be measured vertically from the lowest elevation of the pond berm to the pond water surface. If freeboard is less than one foot, the discharger shall immediately implement the contingency plan contained in the Spill Prevention and Emergency Response Plan (Provision E.1.a).

Section B.5.d states that objectionable odors shall not create nuisance conditions beyond the limits of the wastewater treatment facility. A dissolved oxygen concentration less than 1.0 mg/L in the upper one foot of any wastewater pond shall be evidence of the potential to generate objectionable odors.

Failure to comply with the requirements in this NOA, General Order 2014-0153-DWQ, with all attachments, and MRP No. 2014-0153-DWQ-R5245 could result in an enforcement action as authorized by provisions of the California Water Code. Discharge of wastes other than those described in this NOA is prohibited. If the method of waste disposal changes from that described in this NOA, you must submit a new Report of Waste Discharge describing the new operation. If flow to the Facility substantially increases and approaches 2,000 gpd, you must contact Central Valley Water Board Staff to determine if further analysis is required.

Provision E.1 of the General Order requires dischargers enrolled under the General Order to prepare and implement the following reports within **90 days** of the issuance of the NOA (14 February 2018):

- Spill Prevention and Emergency Response Plan (Provision E.1.a)
- Sampling Analysis Plan (Provision E.1.b)
- Sludge Management Plan (Provision E.1.c)

The General Order requires the Sludge Management Plan to be submitted to the Central Valley Water Board within 90 days of the issuance of this NOA.

As stated in Section E.2.w., in the event any change in control or ownership of the facility or wastewater disposal areas, the Discharger must notify the succeeding owner or operator of the existence of this General Order by letter, a copy of which shall be immediately forwarded to the Central Valley Water Board Executive Officer.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by the General Order ceases, so that we may terminate coverage and avoid unnecessary billing.

The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: [centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov). Documents that are 50 MB or larger should be transferred to a disk and mailed to the Central Valley Water Board office at 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office: Program: Non-15, WDID: 5C221011001, Facility Name: Golden Hills Mobile Home Park, Order: 2014-0153-DWQ-R5245.

In order to conserve paper and reduce mailing costs, a paper copy of the General Order has been sent only to the Discharger. Others are advised that the General Order is available on the State Water Board's web site at:

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2014/wqo2014\\_0153\\_dwq.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf)

Please note that WDRs Order 86-230 is proposed to be rescinded at the **31 May - 1 June 2018** meeting of the Central Valley Water Board. Upon rescission of your individual WDRs, coverage for your facility under the General Order shall become applicable subject to this Notice of Applicability.

If you have any questions regarding this matter, please contact Alex Mushegan by phone at (559) 488-4397 or email at [Alexander.Mushegan@waterboards.ca.gov](mailto:Alexander.Mushegan@waterboards.ca.gov).



*for* Pamela C. Creedon  
Executive Officer

Attachments: State Water Resources Control Board Order WQ 2014-0153-DWQ  
(Discharger Only)  
Monitoring and Reporting Program No. 2014-0153-DWQ-R5245  
Review Memorandum of Golden Hills Mobile Home Park Report of Waste  
Discharge

cc: Mariposa County Environmental Health Services, Mariposa  
Mariposa County Planning Development Department, Mariposa  
Don Nessler, Sierra Clean Water Service (via email)

**Central Valley Regional Water Quality Control Board**

**TO:** Clay L. Rodgers  
Assistant Executive Officer

**FROM:** Scott J. Hatton   
Supervising Water Resource Control Engineer  
RCE 67889

Alexander S. Mushegan   
Water Resource Control Engineer  
RCE 84208

Lovdeep Singh   
Scientific Aid

**DATE:** 14 February 2018

**SUBJECT: APPLICABILITY OF COVERAGE UNDER STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ, GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS, MIKE AND MONICA SCHWENNE, GOLDEN HILLS MOBILE HOME PARK, MARIPOSA COUNTY**

On 1 December 2014, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received a Report of Waste Discharge (RWD) from Mike and Monica Schwenne (Discharger) for Golden Hills Mobile Park Wastewater Treatment System (Facility). Additional information was provided on 27 October 2017 and 19 January 2018 by Don Nessl with Sierra Clean Water Services on behalf of the Discharger. The Facility is located at 10265 Piney Creek Road, Coulterville in Mariposa County (Section 3, Township 3 South, Range 15 East MDB&M), and approximately seven miles west of Coulterville off of Highway 132. The RWD includes a Form 200 and a facility description. This memorandum provides a summary of Central Valley Water Board's review of the RWD and supplemental information provided and the applicability of this discharge to be covered under State Water Resources Control Board Order WQ 2014-0153-DWQ, *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order).

**BACKGROUND INFORMATION**

The Facility consists of a small package plant that was originally designed to serve 16 mobile homes. Future plans were made to expand the park to 66 mobile home spaces and increase the 30-day average discharge flow to 12,000 gallons per day (gpd). Plans to expand the park were never executed.

In June 2011 the Discharger purchased the Facility from Andy Smith. The 1 December 2014 RWD indicated the average flows of wastewater were approximately 900 to 1,200 gpd in dry weather and 1,300 to 1,600 gpd during periods of rain. Currently, there are 12 mobile homes

connected to an aeration package treatment plant operated by Sierra Clean Water Services. From January 2017 through December 2017 self-monitoring reports indicate that average wastewater discharge is about 1,000 gpd.

### **POTENTIAL THREAT TO WATER QUALITY**

The Facility utilizes one small package system, which consists of an aeration tank and a clarifier, to treat domestic wastewater. The aeration tank is six feet wide, nine feet long and has a depth of six feet. The clarifier is six feet wide, three feet long and has depth of six feet with a bottom that tapers into a cone shape. Historically, the Facility had two aeration package plants; however, one plant is no longer operational due to the tanks being floated out of the ground. The package system was originally designed to operate as an activated sludge system; however, when solids are returned from the clarifier to the aeration tank, the flow created turbulence in the clarifier resulting in solids passing through the clarifier. According to Don Nessler's (Consultant) October 2017 letter, solids from the clarifier are no longer returned to the aeration tank. An air blower is operated intermittently by a time clock to maintain dissolved oxygen and the clarifier builds up a sludge blanket. Solids are removed from the clarifier approximately every four to six months. According to the Consultant, the aeration tank acts as a dissolved oxygen enhancer and retains grit but transfers putrescible solids to the clarifier.

Primary effluent is discharged into pond 1 of 4. The first pond handles all dry weather flow through evaporation and percolation. All ponds are connected in series by a 3-inch diameter pipe ranging from 40 to 100 feet in length. The Discharger collected an effluent sample on 15 November 2017. The analysis reported a biochemical oxygen demand result of 33 mg/L and a total suspended solids result of 35 mg/L. The treatment system and ponds are fenced to restrict access to the general public.

A geological report was prepared for the disposal ponds in 1978. The soil borings indicated 1.5 to 3 feet of clayey soils. Percolation rates ranged from 15 to 25 minutes per inch. The domestic water wells serving the park are about 1,000 feet east of the ponds. This setback meets the setback requirements for impoundment (undisinfected secondary recycled water) from *Table 3: Summary of Wastewater System Setbacks* of the General Order. The groundwater gradient is to the west away from the wells. The wells were reported to be fed from a deep fracture system and not from direct, local surface percolation. As previously mentioned, the average daily flow of wastewater is about 1,000 gpd. In accordance with the requirements of the General Order, discharges with flow rates less than 20,000 gpd are not required to meet a nitrogen effluent limitation.

### **MONITORING REQUIREMENTS**

Monitoring requirements included in the following sections from Attachment C of the General Order are appropriate for this discharge:

- Aerobic Treatment Unit Monitoring;
- Pond System Monitoring and
- Solids Disposal Monitoring.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 2014-0153-DWQ-R5245

FOR

MIKE AND MONICA SCHWENNE  
GOLDEN HILLS MOBILE HOME PARK  
MARIPOSA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system. This MRP is issued pursuant to Water Code section 13267. Mike and Monica Schwenne (Discharger) shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

Water Code section 13267 states, in part:

“In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13268 states, in part:

“(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

The Discharger owns the wastewater system (Facility) that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5245. The reports are necessary to ensure that the Discharger complies with the NOA and General Order. Pursuant to Water Code section 13267, the Discharger shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are maintained and available for at least three years.

### AEROBIC TREATMENT UNIT

#### Effluent Monitoring

Samples of effluent shall be taken at an area that represents the effluent quality distributed to the disposal area (pond system). At minimum, effluent monitoring shall consist of the following:

<u>Parameter</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow Rate	gpd	Metered <sup>a</sup>	Continuous	Quarterly
Biological Oxygen Demand	mg/L	Grab	Quarterly	Quarterly

gpd denotes gallon per day. mg/L denotes milligrams per liter

<sup>a</sup>. Flow rate may be metered or estimated based on potable water supply meter readings or other approved method. Flow rates may be measured as influent or effluent flow.

Aerobic treatment units may be integrated in a treatment train and all components shall be inspected to verify operational status. Because aerobic treatment units generate more biosolids than septic systems (similar to the activated sludge process), systems shall be inspected and/or pumped at least as frequently as described below. Inspections of sludge and scum depth are not required if the tanks are pumped at least annually.

<u>Parameter</u>	<u>Units</u>	<u>Measurement Type</u>	<u>Inspection/Reporting Frequency</u>
Sludge depth and scum thickness in each compartment of each tank	Feet	Staff Gauge	Quarterly
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Quarterly
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Quarterly
Effluent filter condition (if equipped, clean as needed)	NA	NA	Quarterly

NA denotes not applicable.

Aerobic treatment units shall be pumped when any one of the following conditions exists:

1. The combined thickness of sludge and scum exceeds one-third of the tank depth of the final settling tank or interferes with the operation of the system (mixed liquor aerator solids shall not exceed the manufacturer's recommendation).
2. The scum layer is within 3 inches of the outlet device.
3. The sludge layer is within 8 inches of the outlet device.

All pumping reports shall be submitted with the next regularly scheduled monitoring report. At a minimum, the record shall include the date, nature of service, service company name, and service company license number.

## POND SYSTEM MONITORING

### Wastewater Pond Monitoring

All wastewater and treated wastewater storage ponds (lined and unlined) shall be monitored as specified below.

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Berm Condition	--	Observation	Monthly	Quarterly

mg/L denotes milligrams per liter.

## SOLIDS DISPOSAL MONITORING

The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report.

## REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernible. The data shall be summarized to clearly illustrate compliance with the General Order and NOA as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next regularly scheduled monitoring report and shall be included in calculations as appropriate. The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: [centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov). Documents that are 50 MB or larger should be transferred to a disk and mailed to the appropriate Regional Water Board office, in this case 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15, WDID: 5C221011001, Facility Name: Golden Hills Mobile Home Park, Order:  
2014-0153-DWQ-R5245.

### A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Central Valley Water Board on the **first day of the second month after the quarter ends** (e.g., the January-March Quarterly Report is due by May 1<sup>st</sup>). The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum, the quarterly reports shall include:

1. Results of all required monitoring.
2. A comparison of monitoring data to the discharge specifications, flow limit, disclosure of any violations of the NOA and/or General Order, and an explanation of any violation of those requirements. (Data shall be presented in tabular format.)
3. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).

### B. Annual Report

Annual Reports shall be submitted to the Central Valley Water Board by **March 1<sup>st</sup> following the monitoring year**. The Annual Report shall include the following:

1. Tabular and graphical summaries of all monitoring data collected during the year.
2. An evaluation of the performance of the wastewater treatment system, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year. A flow rate evaluation, as described in the General Order (Provision E.2.c), shall also be submitted.
3. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

A letter transmitting the monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Discharger or the Discharger's authorized agent:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of the those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The Discharger shall implement the above monitoring program as of the date of this MRP.

Ordered by:



PAMELA C. CREEDON, Executive Officer

2/15/2010

DATE