



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

27 March 2017

Brad Arnold
South Sutter Water District
Camp Far West, South Side Recreational Area
2464 Pacific Avenue
Trowbridge, CA 95659

CERTIFIED MAIL
91 7199 9991 7035 8420 2074

NOTICE OF APPLICABILITY
GENERAL WASTE DISCHARGE REQUIREMENTS FOR
SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS
ORDER WQ 2014-0153-DWQ
FOR
SOUTH SUTTER WATER DISTRICT
CAMP FAR WEST, SOUTH SIDE RECREATIONAL AREA
PLACER COUNTY

South Sutter Water District submitted a Report of Waste Discharge (RWD) dated 1 March 2017 describing the Camp Far West South Side Recreational Area (referred to as "Camp Far West South") wastewater treatment facility (WWTF) in Placer County. Additional information was submitted on 10 March 2017 via email. Based on the provided information, the wastewater treatment system and discharge is consistent with the requirements of the State Water Resources Control Board (State Water Board) *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems*, Order WQ 2014-0153-DWQ (General Order). This Notice of Applicability (NOA) provides notice that the General Order is applicable to the site as described below. You are hereby assigned Order WQ 2014-0153-DWQ-R5229 for the discharge. A copy of the General Order is enclosed and also available at:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf

You should familiarize yourself with the entire General Order and its attachments, which describe mandatory discharge and monitoring requirements. The General Order contains operational and reporting requirements by wastewater system type. 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) 2014-0153-DWQ-R5229. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

REGULATORY BACKGROUND

Wastewater discharge from Camp Far West South WWTF is currently regulated by Waste Discharge Requirements (WDR) Order 5-01-265, which was adopted on 7 December 2001. WDR Order 5-01-265 will be rescinded at an upcoming Central Valley Regional Water Board meeting. Effective upon rescission of Order 5-01-265, the discharge shall be regulated pursuant to the General Order and this NOA.

EXISTING FACILITY AND DISCHARGE DESCRIPTION

The Camp Far West South WWTF is owned and operated by South Sutter Water District (hereafter “Discharger”) and is located at 9300 McCourney Road in Sutter County as shown on Attachment A, which is attached to this NOA. The recreation area is located in an area without a regional wastewater collection system. The nearest regional wastewater collection system is in the City of Lincoln, approximately 30 miles south; therefore, wastewater is collected and treated on-site. The nearest surface water body is the Camp Far West Reservoir, which is approximately 700 feet from the wastewater treatment system.

The Camp Far West South extends over 110 acres (Assessor’s Parcel Number [APN] 18-050-09 in Section 21, 22, and 27, T14N, R6E, MDB&M). The recreational area included 67 overnight campsites, 1 overnight group campsite, 37 day-use sites, and 1 permanent residence. The area is visited by 10,600 vehicles annually at the day-use sites and approximately 4,800 vehicles annually at camping sites. During peak summer weekends, as many as 1,500 visitors use the south side recreational area. Maximum wastewater flows are approximately 22,500 gallons per day.

Domestic wastewater from three public restrooms, a mini-mart, one residence, a gatehouse, and a recreational vehicle dump station are discharged to the South recreational area ponds. The entire South side collection system is gravity flow and the system is maintained on an as needed basis. Because the South side area is primarily used in warm dry months, infiltration and inflow (I/I) are not considered to be a significant problem.

The Camp Far West South treatment system consists of two unlined wastewater treatment, storage, and disposal ponds. The primary pond is approximately 170 feet by 135 feet in size (approximately 0.53 acres) and approximately 6 feet deep. The auxiliary pond is approximately 135 by 96 feet (approximately 0.3 acres) and approximately 6 feet deep. The total storage capacity of both ponds is approximately 1.1 million gallons.

Wastewater samples are collected prior to discharging to the ponds. Concentrations of select constituents reported for peak usage months in 2015 and 2016 are presented below. All concentrations are less than Water Quality Objectives.

Constituent	Concentrations (mg/L unless noted otherwise)										WQO
	April		May		June		July		August		
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	
E.C. (µmhos/cm)	142	155	142	165	139	154	141	146	150	144	900 ¹
TDS	--	--	860	170	--	--	190	--	--	--	1,000 ²
Nitrates as N	--	--	ND	ND	--	--	ND	--	--	--	10 ³
D.O.	3.78	3.09	3.76	2.8	3.75	3.03	3.78	2	3.81	1.98	NE

¹ Secondary Maximum Contaminant Level for taste and odor threshold

² Upper Secondary Maximum Contaminant Level. Lower Level for TDS = 500 mg/L

³ Primary Maximum Contaminant Level

D.O. = dissolved oxygen
E.C. = electrical conductivity
mg/L = milligrams per liter
ND = non-detect
NE = not established
TDS = total dissolved solids
µmhos/cm = micro ohms per centimeter
-- = no data

Three groundwater monitoring wells (MW-1, MW-2, and MW-3) are located around the wastewater pond; MW-1 is located up-gradient and MW-2 and MW-3 are down-gradient wells. The wells were installed in 2003 within a thin soil horizon which overlies bedrock. Groundwater flow directions range from west to northwest, towards the reservoir. Depths to groundwater in the wells are shown below.

Well	Location ¹	Depth of Well (feet bgs)	Depth to Groundwater (feet bgs) ²			
			1Q16	2Q16	3Q16	4Q16
MW-1	Up-gradient	10.6	3.4	3.5	11.5	10.6
MW-2	Down-gradient	20.88	1.5	1.6	6	2.8
MW-3	Down-gradient	21.88	1.4	1.5	5.8	2.7

¹ Relative to the wastewater ponds

² Based on 2016 quarterly monitoring reports
bgs = below ground surface

Concentrations of select constituents detected in the monitoring wells are shown below.

Constituents	Concentrations (mg/L)											
	1Q16			2Q16			3Q16			4Q16		
	Well ID											
	1	2	3	1	2	3	1	2	3	1	2	3
TDS	220	370	360	190	330	360	230	320	310	220	350	330
BOD	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrate as N	4.1	0.2	0.1	2.7	0.9	<0.1	2.8	1.2	0.3	3	0.2	0.1
T. Coli ¹	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	240	2	2
F. Coli ¹	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8

Concentration in **Bold** exceeds a WQO.

WQO for T. Coli =

¹ Concentrations for T. Coli and F. Coli are in MPN/100mL. WQO = 2.2 MUN/100 mL

SITE-SPECIFIC REQUIREMENTS AND EFFLUENT LIMITS

Note that the General Order contains prohibitions and specifications that apply to all wastewater treatment systems as well as those that only apply to specific treatment and/or disposal systems. The specific requirements and effluent limits for your treatment system are summarized below.

The wastewater treatment operator must be certified and familiar with the requirements contained in the General Order, this NOA, and the MRP.

Requirements by Wastewater System Type, Section B of General Order

B.1 All Wastewater Systems

This applies in its entirety to Camp Far West South WWTF with the following site specific requirements.

B.1.a Influent flow limits.

Treatment Unit	Flow Limit as Monthly Average ^c
Treatment Pond ¹	53,000 gpd

¹ Flow rates are measured at the point of discharge to the pond.

B.1.I Wastewater system setbacks.

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Wastewater Pond	150 ft.	50 ft.	50 ft.	5 ft.	200 ft.

B.5 Pond Systems

The WWTF utilizes a pond system; therefore this section applies in its entirety.

B.8 Sludge/Solids/Biosolids Disposal

This section applies in its entirety.

Effluent Limitations, Section D of General Order

Staff evaluated the need for a total nitrogen effluent limit using the method contained in the General Order. Nitrate as nitrogen were not detected in wastewater samples collected from influent to the pond in 2015 or 2016.

The disposal pond is located over fractured bedrock which generally corresponds to an excessive percolation rate. However, nitrate has not been detected in wastewater samples collected over the last two years. Due to the low nitrate concentrations in wastewater and groundwater, a numerical nitrogen effluent is not required at this time, but continued nitrate monitoring and sampling is required as part of the Monitoring and Reporting Plan (Attachment C of the General Order). If monitored constituent concentrations indicate a sustained change in wastewater characterization or if average annual nitrate concentrations in wastewater or groundwater are greater than the WQO of 10 mg/L, the Executive Officer may require a nitrate effluent limit and a Nitrogen Reduction Work Plan.

Technical Report Preparation Requirements, Provisions Section E.1 of General Order

The following technical reports shall be submitted as described below:

1. By **1 August 2017**, the Discharger shall submit a *Spill Prevention and Emergency Response Plan* (Response Plan) consistent with the requirements of General Order Provision E.1.a.

MONITORING AND REPORTING PROGRAM

The Discharger shall comply with MRP 2014-0153-DWQ-R5229, which is attached hereto and made part of this NOA by reference.

ENFORCEMENT

Please review this NOA carefully to ensure that it completely and accurately reflects the discharge. Discharge of wastes other than those described in this NOA is prohibited. Prior to allowing changes to the wastewater strength or generation rate, or to the method of waste disposal, you must contact the Central Valley Regional Water Board to determine if submittal of an RWD is required.

South Sutter Water District will generate the waste subject to the terms and conditions of WQO 2014-0153-DWQ-R5229 and will maintain exclusive control over the discharge. As such, South Sutter Water District is primarily responsible for compliance with this NOA, MRP, and General Order, with all attachments. Failure to comply with the requirements in the General Order or this NOA could result in an enforcement action as authorized by provisions of the California Water Code.

ANNUAL FEES

Staff has determined the discharge is a threat to water quality and complexity rating of 3-C. The annual fee corresponding to a threat to water quality and complexity of 3-C is currently \$2,088. The fee is due and payable on an annual basis until coverage under the General Order is formally rescinded. Please note that the annual fees are reviewed each year and may change. If the wastewater discharge ceases, you must provide written notice so that we can terminate coverage under the General Order and no longer bill you.

DOCUMENT SUBMITTAL

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to:

centralvalleysacramento@waterboards.ca.gov.

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: South Sutter Water District Camp Far West Reservoir, South Side Recreational Area WWTF, Placer County		
Program: Non-15 Compliance	Order: 2014-0153-DWQ-R5229	CIWQS Place ID: 212930

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to:

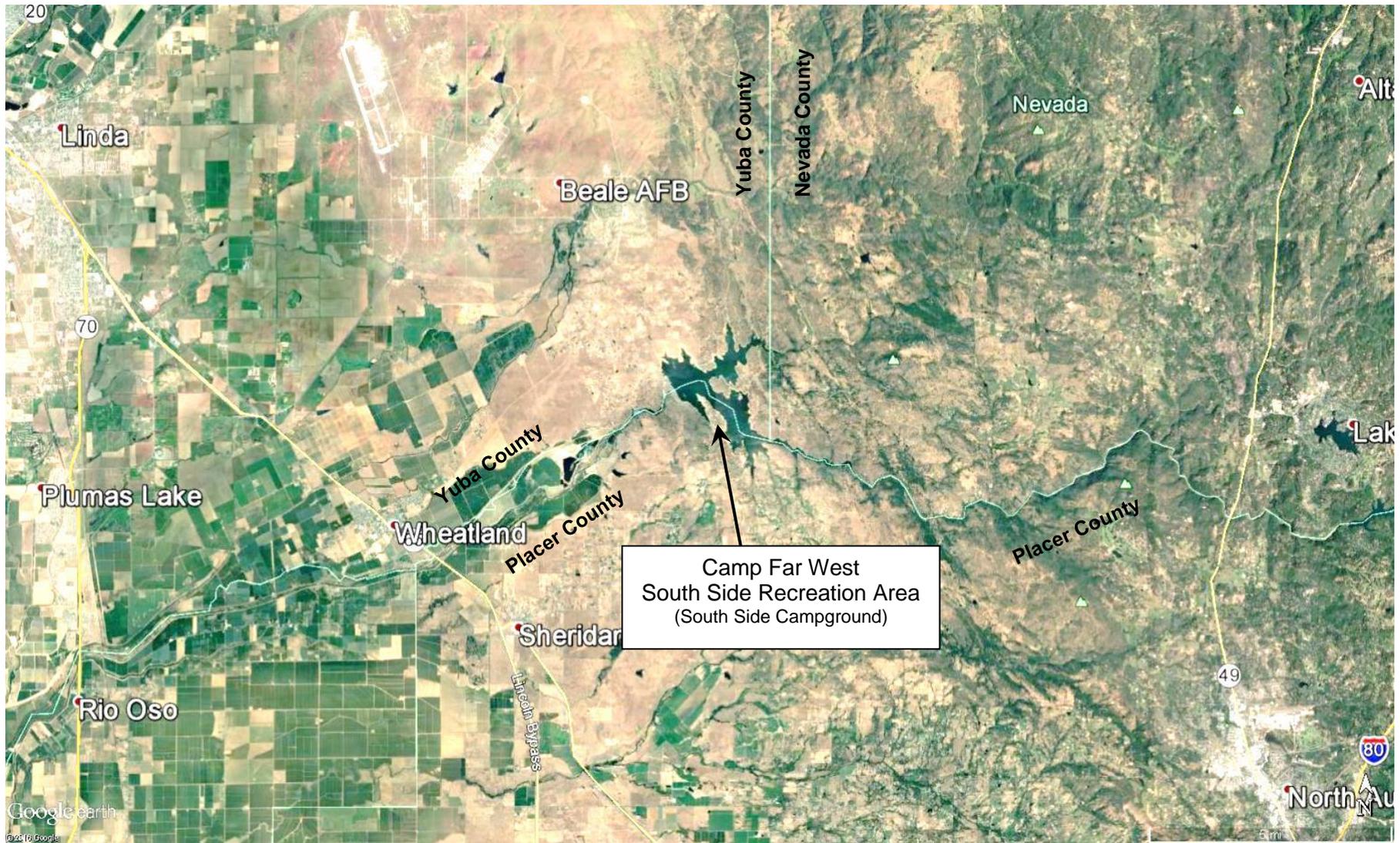
Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Now that the Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for any questions about the General Order. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact Guy at (916) 464-4648 or at *gchilds@waterboards.ca.gov.*

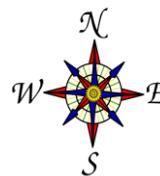
 For
PAMELA C. CREEDON
Executive Officer

enc: Water Quality Order WQ 2014-0153-DWQ
Monitoring and Reporting Program 2014-0153-DWQ-R5229
Attachment A, Site Location Map

cc w/out enc: Timothy O'Brien, State Water Resources Control Board, Sacramento
Wesley Nicks, Placer County Environmental Health Department, Auburn



5 miles



SITE LOCATION MAP

CAMP FAR WEST
SOUTH SIDE RECREATIONAL AREA
YUBA COUNTY

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM WQ 2014-0153-DWQ-R5229

FOR

SOUTH SUTTER WATER DISTRICT
CAMP FAR WEST, SOUTH SIDE RECREATIONAL AREA
PLACER COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system at the Camp Far West South Side Recreational Area. This MRP is issued pursuant to Water Code section 13267. The 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.”

South Sutter Water District owns and operates the wastewater system that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5229. 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 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.

INFLUENT FLOW MONITORING

Influent flow shall be monitored prior to discharging to the ponds, as specified below:

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Average Daily Influent Flow	gpd	Meter Observation	Daily	Quarterly
BOD ₅ ¹	mg/L	Grab	Monthly	Quarterly
TSS	mg/L	Grab	Monthly	Quarterly
Total Nitrogen	mg/L	Grab	Monthly	Quarterly

¹ 5-day Biochemical Oxygen Demand.

POND MONITORING

The Discharger shall monitor each pond as specified below.

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Freeboard ¹	0.1 feet	Staff Gage	Weekly	Quarterly
Levee Condition	--	Observation	Weekly	Quarterly
Seepage ²	--	Observation	Weekly	Quarterly
Odors	--	Observation	Weekly	Quarterly
Dissolved Oxygen ³	mg/L	Grab	Monthly	Quarterly

¹ Freeboard shall be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm and shall be measured to the nearest 0.1 feet.

² Pond containment berms shall be observed for signs of seepage or surfacing water along the exterior toe. If surfacing water is found, then a sample shall be collected and tested for total coliform organisms and total dissolved solids.

³ Dissolved oxygen shall be monitored at each pond that contains at least one foot of standing water. The report shall state how much water was in the pond if dissolved oxygen was not monitored. Samples shall be collected opposite the pond inlet at a depth of one foot.

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.

GROUNDWATER MONITORING

Groundwater monitoring wells MW-1, MW-2, and MW-3 shall be monitored according to the schedule below. Monitoring data and groundwater flow direction analysis shall be performed semiannually (twice per year, January to June, and July to December) and shall be performed under the supervision of a California licensed civil engineer or geologist.

Parameter	Units ¹	Sample Type	Sampling Frequency	Reporting Frequency
Groundwater Elevation ¹	0.01 Feet	Calculated	Semiannually	Annually
Depth to Groundwater ²	0.01 Feet	Calculated	Semiannually	Annually
Gradient	Feet/Feet	Calculated	Semiannually	Annually
Gradient Direction	Degrees	Calculated	Semiannually	Annually
pH	Std. Units	Grab	Semiannually	Annually
Total Dissolved Solids	mg/L	Grab	Semiannually	Annually
Nitrate as Nitrogen	mg/L	Grab	Semiannually	Annually
Total Coliform Organisms	MPN/100 mL	Grab	Semiannually	Annually

¹. Groundwater elevation shall be based on depth to water using a surveyed measuring point elevation on the well and a surveyed reference elevation.

2. Depth to groundwater shall be reported as feet below ground surface.

REPORTING

All monitoring reports should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: *centralvalleysacramento@waterboards.ca.gov*.

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, California 95670

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or transmittal sheet:

Attention: Compliance/Enforcement Section
South Sutter Water District
Camp Far West South Side Recreational Area
Placer County
Place ID: 212930

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.

Monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated. For a Discharger conducting any of its own analyses, reports must be signed and certified by the chief of the laboratory.

A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Regional 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 1st). 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 quarterly monitoring. Data shall be organized by the associated monitoring sections (e.g., Flow Monitoring, Effluent Monitoring, etc.) and presented in tabular format.

2. A comparison of monitoring data to the discharge specifications, flow limit, and effluent limits.
3. A disclosure of any violations of the NOA and/or General Order requirements and an explanation of corrective actions.
4. 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 Regional Water Board by **February 1st 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 if required.
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.
6. A groundwater monitoring report prepared by a California licensed professional. This report may be combined of the Annual Report or submitted separately. The report shall contain an analysis of groundwater data collected during the year. The analysis shall include a description of the sample events, copies of the field logs, purge method and volumes, groundwater elevations and trends, a groundwater elevation map for each sample event, summary tables showing results for parameters measured, comparison of groundwater quality parameters to standards in the NOA, chain-of-custody forms, calibration logs for field equipment used, and a general evaluation of any impacts the wastewater discharge is having on groundwater quality.

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

DATE