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## Central Valley Regional Water Quality Control Board

7 August 2017

John Key  
Cal Fire- Delta Conservation Camp  
6246 Lambie Road  
Suisun City, CA 94585

**CERTIFIED MAIL**  
**7014 3490 0001 3008 1865**

### **NOTICE OF APPLICABILITY, WATER QUALITY ORDER WQ 2014-0153-DWQ-R5240, CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION, DELTA CONSERVATION CAMP, SOLANO COUNTY**

California Department of Forestry and Fire Protection (CAL FIRE) (hereafter "Discharger") submitted a request dated 18 April 2017 seeking coverage under 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) for Delta Conservation Camp in Solano County. This notice of applicability (NOA) serves as formal notice that the General Order is applicable to the site as described below. You are hereby assigned WQ 2014-0153-DWQ-R5240 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](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-R5240. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

#### **REGULATORY BACKGROUND**

Wastewater discharge from the Delta Conservation Camp is currently regulated by Waste Discharge Requirements (WDR) Order 88-030, which was adopted on 26 February 1988. WDR Order 88-030 will be rescinded at an upcoming Central Valley Regional Water Board meeting. Effective upon rescission of Order 88-030, the discharge shall be regulated pursuant to the General Order.

#### **FACILITY AND DISCHARGE DESCRIPTION**

The Delta Conservation Camp is a correctional facility located two miles off highway 12 on Lambie Road in Suisun City. The facility is in Section 3, T4N, R1E, MDB&M in Solano County. The California Department of Correction and Rehabilitation (CDCR) constructed the facility, which is operated by CAL FIRE. The site location is shown on Attachment A, which is attached hereto and is made part of this NOA by reference.

The current facility has an inmate population of 97, with a maximum capacity of 132 inmates, and approximately 20 CAL FIRE and CDCR personnel. Wastewater is generated from a laundry facility, inmate dormitories, two shop buildings, staff offices and sleeping quarters, vehicle cleaning area, and wash water from kitchen cleaning. All cooking waste flows through a 1,000-gallon grease trap and the trapped waste is hauled off site four times a year.

Wastewater flows by gravity to a 12,000 gallon concrete septic tank. Septage is hauled off-site twice a year. Septic tank effluent is then pumped to four percolation and evaporation ponds which have a combined area of approximately 4.63 acres. All ponds are eight-foot deep, including two feet of freeboard. Current average daily wastewater flows are approximately 9,000 gallons per day (gpd) with a maximum of 12,000 gpd. There are three groundwater monitoring wells onsite. A site plan is presented on Attachment B, which is attached hereto and is made part of this NOA.

### **SITE-SPECIFIC REQUIREMENTS**

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

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 for your treatment system are summarized below.

#### **A. Prohibitions**

This section applies to all discharges.

#### **B. Requirements by Wastewater System Type**

##### B.1. All Wastewater Systems

B.1.a. Wastewater discharged to the ponds shall not exceed 12,000 gpd as a monthly average.

B.1.i. Wastewater system setbacks.

<b>Equipment or Activity</b>	<b>Domestic Well</b>	<b>Flowing Stream</b>	<b>Ephemeral Stream Drainage</b>	<b>Property Line</b>	<b>Lake or Reservoir</b>
Septic tank and Collection System <sup>1</sup>	150 ft.	50 ft.	50 ft.	5 ft.	200 ft.
Disposal Pond <sup>2</sup>	150 ft.	150 ft.	150 ft.	50 ft.	200 ft.

<sup>1</sup> Reference setbacks from "Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System" in Table 3 of General Order.

<sup>2</sup> Reference setbacks from "Impoundment (undisinfected secondary recycled water)" in Table 3 of General Order.

##### B.2. Septic Systems

The facility utilizes a septic tank; therefore this section applies in its entirety.

##### B.5. Pond Systems

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

#### **C. Groundwater and Surface Water Limitations**

There are three groundwater monitoring wells onsite; therefore this section applies in its entirety.

### **MONITORING AND REPORTING PROGRAM**

The Discharger shall comply with the attached MRP 2014-0153-DWQ-R5240, 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 if the method of waste disposal changes from that described in your application, you must contact the Central Valley Regional Water Board to determine if submittal of a Report of Waste Discharge is required.

CAL FIRE generates the waste subject to the terms and conditions of WQ 2014-0153-DWQ-R5240 and maintains exclusive control over the discharge. As such, CAL FIRE is primarily responsible for compliance with this NOA, MRP, and General Order WQ 2014-0153-DWQ-R5240, with all attachments. Failure to comply with the requirements in the General Order and 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-B. The current annual fee corresponding to a threat to water quality and complexity of 3-B is currently \$4,699; however, because the permitted flow is less than 50,000 gpd, the discharge qualifies for the 50-percent fee discount. Therefore, the annual fee for this discharge is currently \$2,349. 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 and to avoid additional billing, you must provide written notice so that we may terminate coverage under the General Order.

### **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: Delta Conservation Camp, Solano County		
Program: Non-15 Compliance	Order: WQ 2014-0153-DWQ-R5240	CIWQS Place ID:219551

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

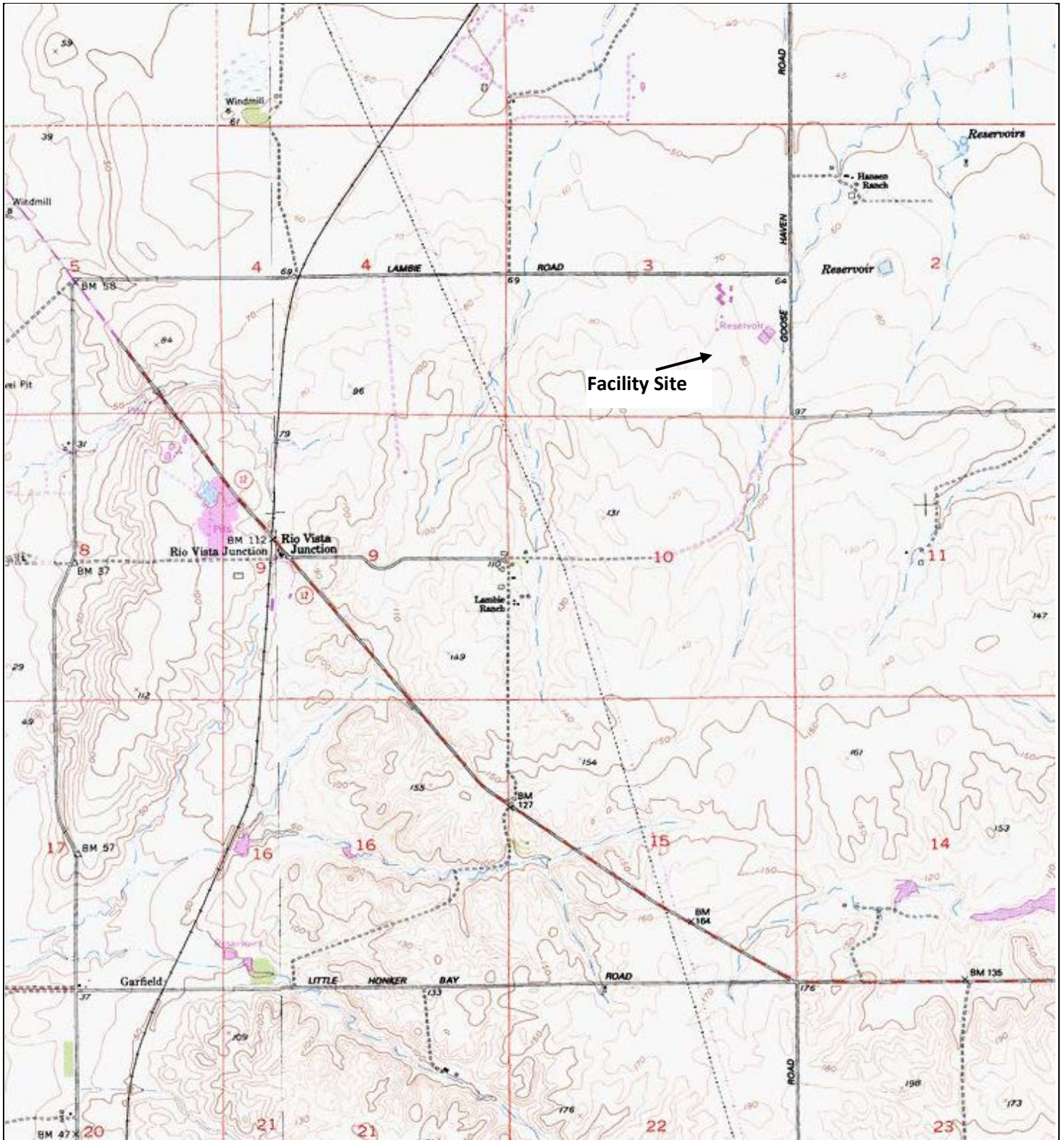
Now that the Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Kenny Croyle is your new point of contact for any questions about the Waiver. If you find it necessary to make a change to your permitted operations, Kenny will direct you to the appropriate Permitting staff. You may contact Kenny at (916) 464-4676 or at [kcroyle@waterboards.ca.gov](mailto:kcroyle@waterboards.ca.gov).

Original signed by Andrew Altevogt for

PAMELA C. CREEDON  
Executive Officer


enc: Water Quality Order WQ 2014-0153-DWQ  
Monitoring and Reporting Program 2014-0153-DWQ-R5240  
Attachment A, Site Location Map  
Attachment B, Site Plan  
MRP Transmittal Sheet

cc w/out enc: Timothy O'Brien, State Water Resources Control Board, Sacramento  
Jeffery Bell, Solano County Environmental Health Division, Fairfield

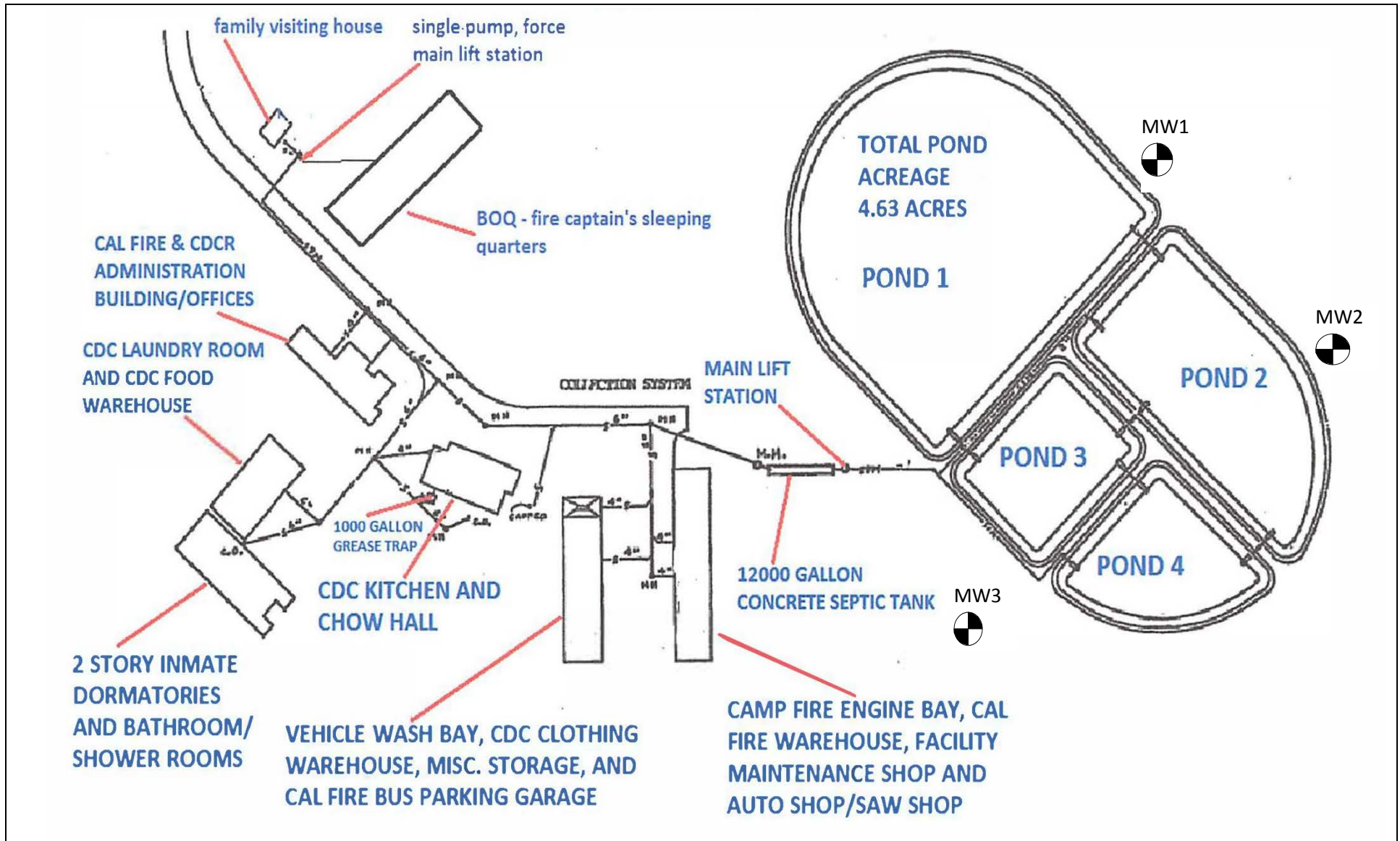


Drawing Reference:  
U.S.G.S TOPOGRAPHIC MAP  
7.5 MINUTE QUADRANGLE

**SITE LOCATION MAP**  
CALIFORNIA DEPARTMENT OF  
FORESTRY AND FIRE PROTECTION  
DELTA CONSERVATION CAMP  
SOLANO COUNTY

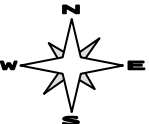


approx. scale  
1 in. = 2550 ft.



**Source**  
 Cal Fire 18 April 2017 Letter

**SITE PLAN**  
 CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
 DELTA CONSERVATION CAMP, SOLANA COUNTY


 Not Scaled

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 2014-0153-DWQ-R5240

FOR

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
DELTA CONSERVATION CAMP  
SOLANO COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system at the Delta Conservation Camp. This MRP is issued pursuant to Water Code section 13267. The California Department of Forestry and Fire Protection (CAL FIRE) (hereafter "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."

CAL FIRE operates the wastewater system that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5240. 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.

If monitoring consistently shows no significant variation in magnitude of a constituent concentration or parameter after at least 12 months of monitoring, the Discharger may request this MRP be revised to reduce monitoring frequency. The proposal must include adequate technical justification for reduction in monitoring frequency.

### SEPTIC TANK MONITORING

Septic tanks 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.

Parameter	Units	Measurement Type	Inspection/Reporting Frequency
Sludge depth and scum thickness in each compartment of tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually



As specified in General Order WQ 2014-0153-DWQ, septic tanks 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 first compartment.
2. The scum layer is within 3 inches of the outlet device.
3. The sludge layer is within 8 inches of the outlet device.

If a septic tank is pumped during the year, the pumping report shall be submitted with the annual 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 Monitoring

All samples from a pond shall be representative of the volume and nature the discharge. Wastewater monitoring shall include, at a minimum, the following:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Total Flow to Ponds <sup>1</sup>	gpd	Meter	Continuous	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Electrical Conductivity	µmhos/cm	Grab	Quarterly	Quarterly
BOD <sub>5</sub>	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly	Quarterly

<sup>1</sup>. At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month.

#### Pond Monitoring

The Discharger shall monitor each pond as specified below:

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Freeboard <sup>1</sup>	0.1 feet	Observation	Weekly	Quarterly
Berm condition	NA	Observation	Weekly	Quarterly
Odors	NA	Observation	Weekly	Quarterly
Seepage <sup>2</sup>	NA	Observation	Weekly	Quarterly
Dissolved Oxygen <sup>3</sup>	mg/L	Grab	Monthly	Quarterly

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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 shall be monitored according to the schedule below. Monitoring data and groundwater flow direction analysis shall be performed semiannually (twice per year) and shall be performed under the supervision of a California licensed civil engineer or geologist.

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Groundwater Elevation <sup>1</sup>	0.01 Feet	Calculated	Semiannually	Annually
Depth to Groundwater <sup>2</sup>	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

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

<sup>2.</sup> 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](mailto: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:

Attention: Compliance/Enforcement Section  
 Cal Fire Delta Conservation Camp  
 Solano County  
 Place ID: 219551

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ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, California 95670

Please include a transmittal sheet that includes the following:

Attention: Compliance/Enforcement Section  
Cal Fire Delta Conservation Camp  
Solano County  
Place ID: 219551

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 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 quarterly monitoring.
2. A comparison of monitoring data to the discharge specifications; disclosure of any violations of the NOA and/or General Order; and an explanation of any violation of those requirements.
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 Regional Water Board by **February 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.
6. A groundwater monitoring report prepared by a California licensed professional. This report may be prepared separately from the rest of the Annual Report. 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 volume, groundwater elevation and trend, 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: Original signed by Andrew Altevogt for

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PAMELA C. CREEDON, Executive Officer

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7 August 2017

DATE