



Central Valley Regional Water Quality Control Board

11 February 2022

Young Life
Attn: Matt Pogue
PO Box 520
Colorado Springs, CA 80901

CERTIFIED MAIL
7020-1810-0002-0569-5772

NOTICE OF APPLICABILITY

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC
WASTEWATER TREATMENT SYSTEMS ORDER WQ 2014-0153-DWQ
FOR
YOUNG LIFE
YOUNG LIFE'S WOODLEAF CAMP
YUBA COUNTY**

A Report of Waste Discharge (RWD) was submitted by Sequoia Engineering (consultant) on 27 September 2021 describing the Young Life's Woodleaf Camp wastewater treatment system in Yuba County. Woodleaf Camp (hereafter Facility) is owned and operated by Young Life (hereafter Discharger). The wastewater treatment system discharge has been regulated by Waste Discharge Requirements (WDRs) Order No. R5-2004-0040, which was adopted on 19 March 2004. Based on information provided in the RWD, the wastewater treatment system and discharge are 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). You are hereby assigned Order WQ 2014-0153-DWQ-R5372 for the discharge. A copy of the General Order is enclosed and also available at the [State Water Boards Adopted Orders webpage, General Order 2014-0153-DWQ](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/2014-0153-dwq_noas/) (https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/2014-0153-dwq_noas/).

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-R5372. The Discharger is responsible for all the applicable requirements that exist in the General Order and this NOA.

REGULATORY BACKGROUND

Wastewater discharge from the wastewater treatment system has been regulated by WDRs Order No. R5-2004-0040. The Discharger has made several changes and upgrades to the wastewater treatment system since the adoption of the WDRs. This NOA serves as formal notice that upon rescission of Order No. R5-2004-0040 at an upcoming Board meeting, the discharge shall be regulated pursuant to the General Order and this NOA.

FACILITY AND DISCHARGE DESCRIPTION

The Facility is located at 11359 La Porte Road, Challenge, in Yuba County and occupies APN 050-050-022-000. The Facility provides treatment and disposal service for domestic wastewater generated from summer and winter camps for high school and middle school students. The Facility is located in an area without a regional wastewater collection system; therefore, wastewater is collected and treated onsite. Facility site location and features are shown on Attachment A.

The Woodleaf Camp provides summer and winter camp experiences for high school and middle school students. The camps run for 6-8 weeks during the summer months and on the weekends during the winter. Church groups and other organizations use the camp as a retreat location during the winter months. Approximately 650 people use and work at the Facility during the summer, with only a few property staff onsite during the winter. Wastewater is generated from cabins, kitchens, and laundry services and gravity fed to a central collection area.

The Discharger recently upgraded the wastewater treatment system from a sequencing batch reactor (SBR) with a spray field and leachfield to a Movable Bed Biofilm Reactor (MBBR) that discharges to a new leachfield, as shown on Attachment A. The upgraded treatment system collects wastewater in three septic tanks, totaling 30,000 gallons. A 10,000-gallon grease tank is located near the dining hall to remove wastes with high levels of fats, oils, and grease. After the collection tanks, effluent enters the MBBR followed by two Orenco AX-Max pods systems with media filter for pretreatment. Treated effluent is then pumped to the leach field where it is stored in a 10,000-gallon tank discharging to a leach field drip system. The drip field is sized for 36,000 gallons per day (gpd). The Facility has sufficient land area for 100-percent replacement area for the leachfield.

Average daily wastewater flow ranges from 21,000 gpd during the summer months (June through August) to 5,000 gpd during the off-season. Occasional peak flows are up to 36,000 gpd for a few days in the summer.

Three groundwater monitoring wells (MW-1, MW-2, and MW-3) are located around the former spray field, as shown on Attachment A. The most recent groundwater monitoring data (third quarter 2021) are summarized below.

Table 1. Groundwater Quality

Constituent/ Parameter	Units	Results			WQOs
		MW-1	MW-2	MW-3 (upgradient)	
Depth to GW	feet bgs	77	43	22	not applicable
Nitrate	mg/L	6.87	4.15	3.11	10
TKN	mg/L	1.04	0.65	0.74	not established
TDS	mg/L	260	190	230	1,000
EC	µmhos/cm	507	395	389	700
Total Coliform	MPN/100mL	<2	<2	<2	2.2

All concentrations of reported constituents are less than applicable Water Quality Objectives. It does not appear that discharges to the spray field have polluted groundwater. The wastewater treated by the new system is expected to be of better quality than effluent treated by the former system. Therefore, it does not appear that groundwater monitoring is necessary at this time for the new leachfield. The three existing monitoring wells can be abandoned, as described in **Technical Report Requirements** below.

SITE-SPECIFIC REQUIREMENTS

The Discharger shall comply with all applicable section of the General Order, including:

1. Requirements A. Prohibitions.
2. Requirements B.1a.
The Discharger shall comply with the following flow limit: The treated wastewater entering the leach field system shall not exceed **36,000 gallons per day**.
3. Requirements B.1.b through B.1.l
For Section B.1.i, the Discharger shall comply with the following setback requirements listed in Table 3 of the General Order as follows:

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System	150 feet	50 feet	50 feet	5 feet	200 feet
Leach Field	100 feet	100 feet	50 feet	5 feet	100 feet

4. Requirements B.2, Septic Systems
5. Requirements B.3, Aerobic Treatment Units

6. Requirements B.4, Activated Sludge Systems
7. Requirements B.6, Subsurface Disposal System
8. Requirements B.8, Sludge/Solids/Biosolids Disposal
9. Requirements C, Groundwater and Surface Water Limitations

TECHNICAL REPORT REQUIREMENT

The following technical report shall be submitted as described below.

1. **Within 60 days of abandonment of MW-1, MW-2, and MW-3**, the Discharger shall submit a report containing the information described in the attached *Requirements for Monitoring Well Abandonment*, which will also include the appropriate county requirements and documentation to abandon the wells.

MONITORING AND REPORTING PROGRAM

WDRs Order No. R5-2004-0040 will be rescinded at an upcoming Central Valley Regional Water Quality Control Board (Central Valley Water Board) meeting. Effective upon rescission of the WDRs Order No. R5-2004-0040, the Discharger shall comply with MRP 2014-0153-DWQ-R5372, which is incorporated herein.

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, generation rate, or to the method of waste disposal, you must contact the Central Valley Water Board to determine if submittal of a Report Waste Discharge is required. The Discharger generates the waste subject to the terms and conditions of Water Quality Order WQ 2014-0153-DWQ-R5372 and maintains exclusive control over the discharge. As such, the Discharger 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

The annual fee is based on the discharge's threat to water quality and treatment system complexity rating of 3-C. 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. You must provide written notice if and when the wastewater discharge ceases, 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:	Young Life's Woodleaf Camp
Program:	Non-15 Compliance
Order:	WQ 2014-0153-DWQ-R5372
CIWQS Place ID:	272965

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. Brendan Kenny 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, Brendan will direct you to the appropriate Permitting staff. You may contact him at brendan.kenny@waterboards.ca.gov.

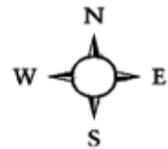
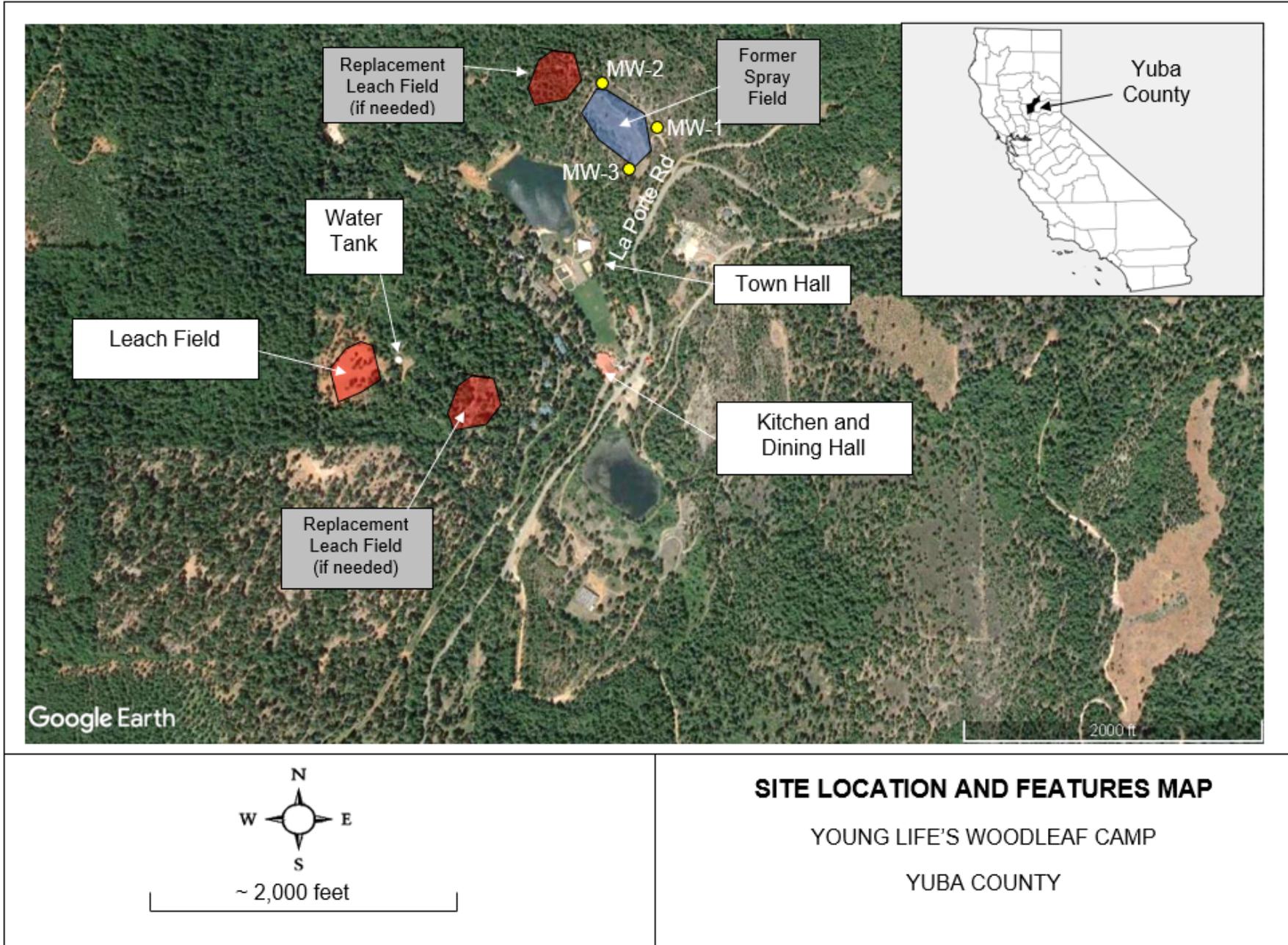
--original signed by J.J. Baum--

for Patrick Pulupa,
Executive Officer

Enclosure: Water Quality Order WQ 2014-0153-DWQ
Monitoring and Reporting Program 2014-0153-DWQ-R5372
Requirements for Monitoring Well Abandonment Reports

cc w/enc: Davy Washburn, Young Life's Woodleaf Camp, Challenge
Chad Ratzlaff, P.E., Sequoia Engineering, Chico

cc w/out enc: State Water Resources Control Board, Sacramento
Yuba County Environmental Health Department, Marysville
Howard Hold, Central Valley Water Board, Rancho Cordova (via email)



~ 2,000 feet

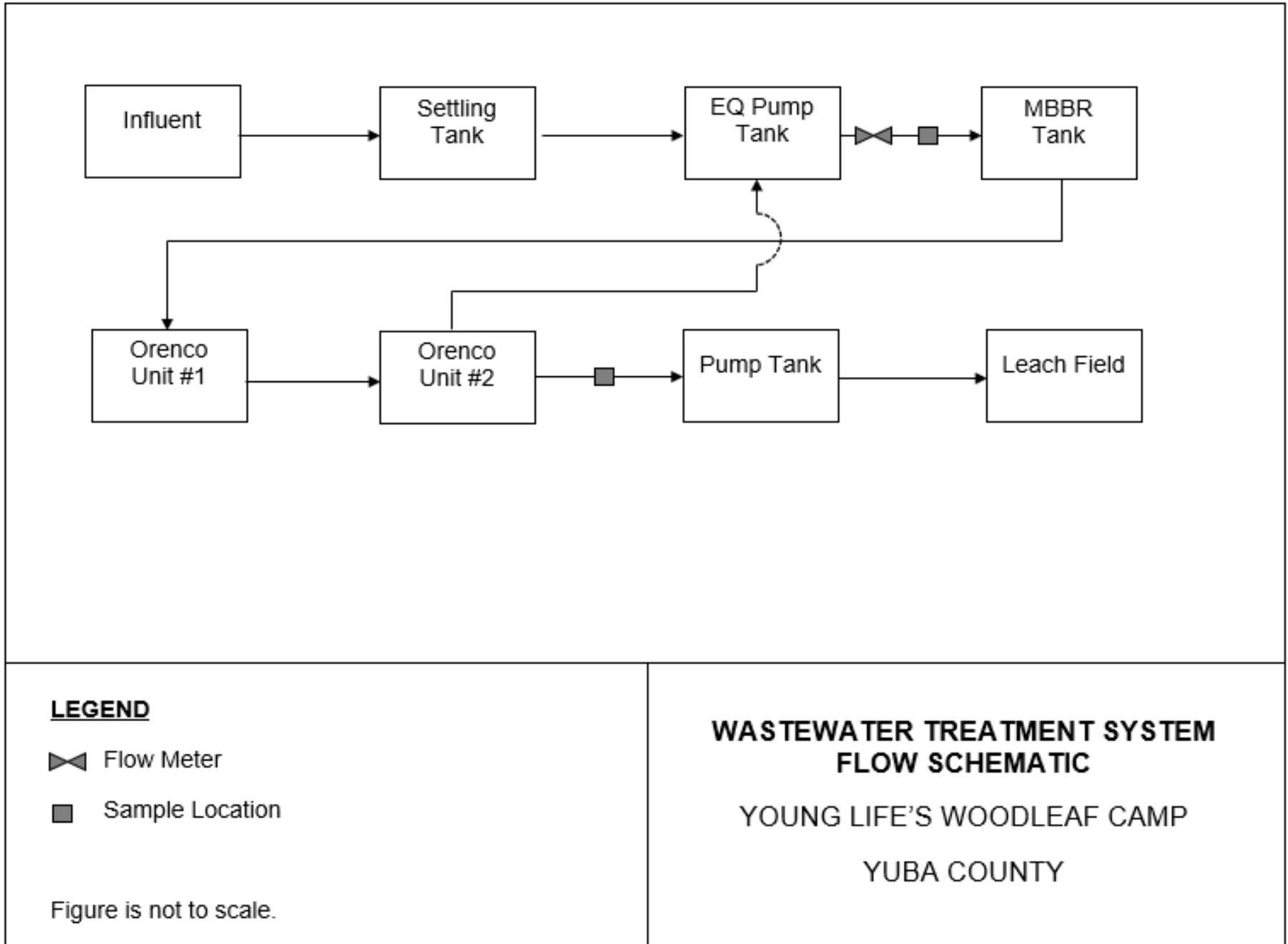
SITE LOCATION AND FEATURES MAP

YOUNG LIFE'S WOODLEAF CAMP

YUBA COUNTY

ORDER 2014-0153-DWQ-R5372

ATTACHMENT B



TO: Robert Busby
Supervising Engineering Geologist

FROM: Scott Armstrong
Senior Engineering Geologist

DATE: 25 December 2021

APPLICABILITY OF COVERAGE UNDER STATE WATER RESOURCES CONTROL BOARD ORDER 2014-0153-DWQ; GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS; YOUNG LIFE'S WOODLEAF CAMP; YUBA COUNTY

A Report of Waste Discharge (RWD) was submitted by Sequoia Engineering (consultant) on 27 September 2021 to obtain 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 the Young Life's Woodleaf Camp wastewater treatment system in Yuba County. Woodleaf Camp (hereafter Facility) is owned and operated by Young Life (hereafter Discharger). This memorandum provides a summary of the applicability of this discharge for coverage under the General Order.

REGULATORY BACKGROUND

Waste Discharge Requirements (WDRs) Order No. R5-2004-0040, adopted by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) on 19 March 2004, prescribes requirements for Woodleaf Camp's wastewater treatment system. WDRs Order No. R5-2004-0040 will be rescinded at an upcoming Central Valley Water Board meeting. Effective upon rescission of Order No. R5-2004-0040, the discharge described in this NOA shall be regulated pursuant to the General Order.

FACILITY AND DISCHARGE DESCRIPTION

The Facility is located at 11359 La Porte Road, Challenge in Yuba County and occupies APN 050-050-022-000. The Facility is located in an area without a regional wastewater collection system; therefore, wastewater is collected and treated on-site. Facility site location and features are shown on Attachment A.

The Woodleaf Camp provides summer and winter camp experiences for high school and middle school students. The camps run from 6-8 weeks during the summer months and on the weekends during the winter. Church groups and other organizations use the camp as a retreat location during the winter months. Approximately 650 people use and work at the Facility during the summer, with only a few property staff on-site during the winter.

Wastewater is generated from cabins, kitchens, and laundry services and gravity fed to a central collection area. Wastewater is collected in three septic tanks, totaling 30,000 gallons. A 10,000-gallon grease tank is located near the dining hall to removed wastes

with high levels of fats, oils, and grease. After the collection tanks, effluent enters a Movable Bed Biofilm Reactor (MBBR) followed by two Orenco AX-Max pods systems with media filter for pretreatment. Treated effluent is then pumped to the leach field where it is stored in a 10,000-gallon tank before discharging to the leach field drip system. The drip field is sized for 36,000 gallons per day (gpd).

Average daily wastewater flow ranges from 21,000 gpd during the summer months (June through August) to 5,000 gpd during the off-season. Occasional peak flows are up to 36,000 gpd for a few days in the summer.

There are three groundwater monitoring wells located around the former spray field. The new treatment system is expected to treat wastewater to a higher quality than the former treatment system. Based on groundwater monitoring data, discharges from the former treatment system do not appear to have polluted groundwater. Because treated effluent from the new treatment system is expected to be of better quality than the former treatment system, it does not appear that groundwater monitoring is needed at this time around the new leachfield location and wells can be abandoned.

Central Valley Water Board staff determined that a nitrogen effluent limit is not necessary at this time. Effluent from the former treatment system did not contain concentrations of nitrate greater than 1 mg/L during the peak season in 2021 and new treatment system is expected to provide better quality effluent than the old system.

MONITORING REQUIREMENTS

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

- Wastewater Treatment System Monitoring
- Subsurface Disposal Monitoring
- Solids Disposal Monitoring

SALT AND NITRATE CONTROL PROGRAMS

The Central Valley Water Board adopted Basin Plan amendments incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting. The Basin Plan amendments were conditionally approved by the State Water Board on 16 October 2019 (Resolution 2019-0057) and by the Office of Administrative Law on 15 January 2020 (OAL Matter No. 2019-1203-03). For nitrate, dischargers that are unable to comply with stringent nitrate requirements will be required to take on alternate compliance approaches that involve providing replacement drinking water to persons whose drinking water is affected by nitrates. Dischargers may comply with the new nitrate program either individually or collectively with other dischargers. For the Nitrate Control Program, the facility falls within NonPrioritized Groundwater Basins. Notices to Comply for Non-Prioritized Basins will be issued within two to four years after the effective date of the Nitrate Control Program.

For salinity, dischargers that are unable to comply with stringent salinity requirements will instead need to meet performance-based requirements and participate in a basin-wide effort to develop a long-term salinity strategy for the Central Valley. Dischargers received a Notice to Comply with instructions and obligations for the Salt Control Program within one year of 17 January 2020, the effective date of the amendments. The Discharger has selected Option 2 (Alternative Option for Salt Permitting).

As these strategies are implemented, the Central Valley Water Board may find it necessary to modify the requirements of this Order to ensure the goals of the Salt and Nitrate Control Programs are met. This order may be amended or modified to incorporate newly applicable requirements. More information regarding this regulatory planning process can be found on the [Central Valley Water Board CV-SALTS website](https://www.waterboards.ca.gov/centralvalley/water_issues/salinity) (https://www.waterboards.ca.gov/centralvalley/water_issues/salinity)