CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

NORTH COAST REGION

MONITORING AND REPORTING PROGRAM

ORDER NO. R1-2019-0022

FOR THE

AIRPORT-LARKFIELD-WIKIUP SANITATION ZONE

RECYCLED WATER PROGRAM

WDID NO. 1B15129RSON

SONOMA COUNTY

Contents

Tables

Figures and Attachments

MRP Attachment 1: Tables 8 through 12 from the April 2019 Airport-Larkfield-WikiupSanitation Zone Water Recycling Program Technical Report and Notice of Intent

MRP Attachment 2: General Order Attachment C: Standard Provisions and Reporting Requirements, Order WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use

The Sonoma County Water Agency (Agency) owns and operates a wastewater treatment plant (Facility) that produces disinfected tertiary recycled water for beneficial reuse for agricultural irrigation uses, including pastures, orchards, vineyards, and cannabis grow sites and other uses, including construction and dust control, sanitary sewer cleaning, street sweeping and fire suppression and occasionally produces disinfected secondary recycled water for irrigation of grassland at the Sonoma County Airport. In addition, the recycled water is used for frost control on vineyards. All of these uses are allowed by the California Code of Regulations, Title 22, Division 4, Chapter 3. The Agency (hereafter Administrator) has applied for and received coverage for its Recycled Water Program that is subject to the Notice of Applicability (NOA) of Enrollment under Order WQ 2016-0068-DDW (hereafter General Order). The General Order delegates the responsibility of administering water recycling programs to a designated Administrator to the fullest extent possible. The Agency will act as the Administrator of the Agency's Recycled Water Program. The details of the enrollment are described in the NOA letter issued by the North Coast Regional Water Quality Control Board (Regional Water Board) Executive Officer on June 26, 2019.

This monitoring and reporting program (MRP) replaces the MRP in the General Order and serves as a project-specific MRP to address use area specific water quality concerns. In addition, water recycling specifications and requirements, including monitoring requirements that apply to the production of recycled water, are established in Order No. R1-2019-0007, Waste Discharge Requirements (WDR) and Water Recycling Requirements (WRR) for the Airport-Larkfield-Wikiup Sanitation Zone Wastewater Treatment Plant, Sonoma County (WDID No. 1B84124OSON) and the associated MRP Order No. R1-2019-0007.

This MRP describes requirements for monitoring the Administrator's recycled water system and for documenting administrative Recycled Water Program requirements of the General Order. This MRP is issued pursuant to Water Code section 13267 and establishes monitoring and reporting requirements that implement California regulations. The Administrator shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Board Executive Officer or the State Water Board Executive Director. The Administrator shall implement this monitoring and reporting program.

I. GENERAL MONITORING PROVISIONS

A. Wastewater Monitoring Provision. Composite samples may be taken by either a time-based or flow-proportional sampling device or by grab samples composited at specific time intervals. In any time-based method or in compositing grab samples, the sampling interval shall not exceed 1 hour.

B. Supplemental Monitoring Provision. If the Administrator monitors any pollutant more frequently than required by this Order, the results of such monitoring shall be included in the calculation and reporting of the data submitted in the monthly and annual discharge monitoring reports.

C. Laboratory Certification. Laboratories analyzing monitoring samples shall be certified by the State Water Resources Control Board, Division of Drinking Water, in accordance with the provision of Water Code section 13176 and must include quality assurance/quality control data with their reports. The Discharger may analyze pollutants with short hold times (e.g., pH, chlorine residual, etc.) in its on-site laboratory provided

that the Discharger has standard operating procedures (SOPs) that identify quality assurance/quality control procedures to be followed to ensure accurate results.

D. Sample Documentation. 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 Regional Water Board staff.

E. Instrumentation and Calibration Provision. All monitoring instruments and devices used by the Administrator to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated no less than the manufacturer's recommended intervals or one-year intervals, (whichever comes first) to ensure continued accuracy of the devices.

F. Field test Instruments. 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 California Environmental Laboratory Program (ELAP) 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 by the manufacturer or authorized representative at the recommended frequency; and

4. Field calibration reports are maintained and available for at least three years.

G. Minimum Levels (ML) and Reporting Levels (RL). Compliance monitoring analyses shall be conducted using detection limits that are lower than the applicable effluent limitations and/or water quality criteria. If no Minimum Level (ML) value is below these levels, the lowest ML shall be selected as the Reporting Level (RL).

H. Duplicative Monitoring Requirements. If monitoring requirements listed below duplicate existing monitoring requirements under other orders including WDRs or waivers of WDRs, then duplication of sampling and monitoring activities are not required if the monitoring activity satisfies the requirements of this MRP. In addition to submitting the results under another order, the results shall be submitted in the reports required by the General Order and this MRP.

I. Approved Test Methods. All monitoring must be conducted using approved test methods or other test methods specified in this MRP.

J. Sampling Method. Collecting composite samples is acceptable in most cases. Due to short holding times, bacteriological samples collected to verify disinfection effectiveness must be grab samples.

II. MONITORING LOCATIONS

Table 1. Recycled Water Monitoring Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
003	REC-001	Secondary treated recycled water distributed to the Sonoma County Airport grassland irrigation area. Monitoring is conducted following storage in the secondary recycled water storage pond (North Pond) and immediately before distribution.
004	REC-002	Disinfected tertiary recycled water distributed to the agricultural recycled water irrigation areas. Monitoring is conducted following storage in the tertiary recycled water storage ponds and immediately before distribution.
005	REC -003	Disinfected tertiary recycled water provided for trucked uses through the Facility Fill Station. Monitoring is conducted following storage in the tertiary recycled water storage ponds and immediately before distribution.
006	REC-004	Disinfected tertiary recycled water transferred to the Town of Windsor and City of Santa Rosa reclamation systems. Monitoring is conducted following storage in the tertiary recycled water storage ponds and immediately before distribution.
--	POND-001	North Pond, used for storage of disinfected secondary-23 recycled water.
--	POND-002	South Pond, used for storage of disinfected tertiary recycled water.
--	POND-003	Oceanview Storage Reservoir (Reservoir D), used for storage of disinfected tertiary recycled water.

III. RECYCLED WATER MONITORING REQUIREMENTS

A. MRP No. R1-2019-0007 establishes Monitoring Locations EFF-001 and EFF-002 as the locations for monitoring the production of disinfected secondary and disinfected tertiary recycled water, respectively. Monitoring Location EFF-001 samples are collected at a point following secondary disinfection but prior to discharge to a 95-million gallon (MG) secondary recycled water storage pond and Monitoring Location EFF-002 samples are collected at a point following tertiary disinfection, but prior to storage in the tertiary recycled water storage pond at the Facility. All recycled water storage ponds are operated and maintained by the Administrator. This MRP establishes Monitoring Locations REC-001 through REC-004 as the locations for monitoring the quality of the recycled water distributed to recycled water users. Distinct monitoring location names are used to differentiate between four categories of use. Monitoring samples for all four locations are to be collected where representative samples of recycled water to be distributed may be obtained after storage and immediately before distribution.

B. **Monitoring Locations EFF-001, EFF-002, and INT-001.** The Administrator currently monitors recycled water prior to discharge in the recycled water storage ponds at Monitoring Locations EFF-001, EFF-002, and INT-001A and submits monitoring results

pursuant to reporting requirements established in WDR Order No. R1-2019-0007, as detailed in Table 1 below. All monitoring requirements identified in Table 1 are reported to the Regional Water Board under WDR and MRP Order No. R1-2019-0007. Total coliform, turbidity, and CT (contact time) monitoring data shall also be submitted with the annual report required by this MRP (Order No. R1-2019-0022). In addition, the Administrator is required to conduct monitoring at locations REC-001, REC-002, REC-003, and REC-004 as detailed in Recycled Water Monitoring Provisions III.C and III.D of this MRP.

Table 2. Recycled Water Monitoring – Monitoring Locations EFF-001 and EFF-002

Parameter	Units	Sample Type	Minimum Sampling Frequency
Recycled Water Flow[1]	mgd	Meter	Continuous
Biochemical Oxygen Demand 5-day @ 20°C (BOD_5)	mg/L	24-hour composite	Weekly
Total Suspended Solids (TSS)	mg/L	24-hour composite	Weekly
pH	Standard Units	Grab	Daily
Total Coliform Organisms	MPN/100 mL	Grab	Daily
Total ChlorineResidual[2]	mg/L	Meter[3]	Continuous
Disinfection CT (Contact Time)[4,5]	mg-min/L	Calculation	Continuous
Modal Contact Time[4,5]	minutes	Calculation	Continuous
Turbidity[5,6]	NTU	Meter	Continuous

Table Notes:

1. Each month the Permittee shall report the daily average and monthly average flows.
2. Recycled water monitoring occurs at Monitoring Locations EFF-001 and EFF-002, with the exception of turbidity which is monitored at INT-001.
3. Report minimum daily coliform result.
4. Disinfection CT monitoring requirements are described in detail in section V.B of MRP No. R1-2019-0007. Disinfection CT requirements apply only at Monitoring Location EFF-002.
5. Required at Monitoring Location EFF-002 only.
6. Turbidity requirements are described in section V.A of MRP No. R1-2019-0007. Turbidity requirements apply only at Monitoring Location EFF-002

C. Monitoring Location REC-001, REC-002, and REC-004. The Administrator shall monitor disinfected tertiary recycled water that will be recycled after recycled water storage and prior to distribution at Monitoring Locations REC-001 and REC-002 and transfers at REC-004 as follows:

Table 3. Recycled Water Monitoring Requirements – Monitoring Locations REC-001, REC-002, and REC-004

Parameter	Units	Sample Type	Minimum Sampling Frequency
Recycled Water Flow[1]	mgd	Meter	Continuous
Nitrate Nitrogen (as N)	mg/L	Grab	Monthly
Nitrite Nitrogen (as N)	mg/L	Grab	Monthly
Total Kjeldahl Nitrogen (as N)	mg/L	Grab	Monthly
Total Nitrogen (as N)[2]	mg/L	Calculation	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly
Sodium	mg/L	Grab	Monthly
Chloride	mg/L	Grab	Monthly
Boron	mg/L	Grab	Monthly

Table Notes:
1. Each month, the Administrator shall report the daily average and monthly average recycled water flows from recycled water storage to each recycled water distribution/transfer system.
2. The Administrator shall calculate and report Total Nitrogen as the sum of nitrate-nitrogen, nitrite-nitrogen, and Total Kjeldahl nitrogen.

D. Monitoring Location REC-003. The Administrator shall monitor disinfected tertiary recycled water that is distributed at the recycled water fill station for trucked uses, as follows:

Table 4. Recycled Water Monitoring Requirements – Monitoring Location REC-003

Parameter	Units	Sample Type	Minimum Frequency
Total Recycled Water Volume[1]	mg	Meter	Monthly
Recycled Water Volume by Use Type	mg	Meter/Calculation	Monthly

Table Notes:
1. Each month, the Administrator shall report the total volume of recycled water dispensed at the recycled water fill station by use type (i.e., cannabis grow site, street sweeping, sanitary sewer cleaning, fire suppression). The Administrator shall additionally maintain daily records of the volumes dispensed to each recycled water user.

IV. RECEIVING WATER MONITORING REQUIREMENTS – GROUNDWATER – NOT APPLICABLE

At this time, the Regional Water Board does not deem groundwater monitoring to be necessary. The Administrator currently participates in the salt and nutrient management planning (SNMP) effort for the Santa Rosa Valley-Santa Rosa Plain Groundwater Basin.

V. OTHER MONITORING REQUIREMENTS

A. Recycled Water Use

1. The Administrator shall monitor use area(s) at a frequency appropriate to determine compliance with the General Order and the Administrator's Recycled Water Use Program requirements. The Administrator may assign monitoring

responsibilities to a recycled water user as part of the Water Recycling Use Permit program; however, the Administrator retains responsibility to ensure the data is collected, as well as prepare and submit the annual report.

2. The following shall be recorded for each recycled water irrigation use site with additional reporting for use areas as appropriate. The frequency of use area inspections shall be based on the complexity and risk of each use area. Use areas may be aggregated to combine acreage for calculation or observation purposes. Use area monitoring shall include the following parameters:

Table 5. Recycled Water Use Area Requirements[1]

Parameter	Units	Sample Type	Minimum Sampling/ Observation Frequency[2]
Recycled Water User	---	---	---
Recycled Water Flow[3]	gpd[4]	Meter[5]	Monthly
Acreage Applied[6]	Acres	Calculated	Monthly
Application Rate (hydraulic)	Inches/acre/year	Calculated	Monthly
Total Nitrogen Application Rate[7, 8]	Lbs/acre/month	Calculated	Monthly
Soil Saturation/Ponding	---	Observation	Monthly
Runoff	---	Observation	Monthly
Nuisance Odors/Vectors	---	Observation	Monthly
Leaks or breaks in equipment	---	Observation	Monthly
Notification Signs[9]	---	Observation	Monthly
Rainfall	Inches	Gage	Daily
ETo/ETc[10]	Inches	Gage/Calculation	Daily
Maximum Allowable Hydraulic Agronomic Rate[11]	Inches	Calculation	Annually

Table Notes:

1. Recycled water production and use area monitoring shall be reported with the annual report (section V.B of this MRP). Non-compliance incidents shall be reported as specified in section V.C of this MRP.
2. Or less frequently if approved by the Regional Water Board Executive Officer.
3. Recycled water flow shall not include other potable or non-potable "make-up" water used in conjunction with recycled water. If potable or non-potable "make-up" water is used to supplement recycled water use, this shall be reported in the annual report as a component of the hydraulic application rate. The combination of recycled water use and supplemental water use shall not exceed the hydraulic agronomic rate for each use type.
4. gpd denotes gallons per day.

Table Notes (continued):

5. Recycled water production and use area monitoring shall be reported with the annual report (section V.B of this MRP). Non-compliance incidents shall be reported as specified in section V.C of this MRP.
6. Or less frequently if approved by the Regional Water Board Executive Officer.
7. Recycled water flow shall not include other potable or non-potable "make-up" water used in conjunction with recycled water. If potable or non-potable "make-up" water is used to

supplement recycled water use, this shall be reported in the annual report as a component of the hydraulic application rate. The combination of recycled water use and supplemental water use shall not exceed the hydraulic agronomic rate for each use type.

8. gpd denotes gallons per day.
9. Meter requires meter reading, a pump run time meter, or other approved method of flow monitoring.
10. Acreage applied denotes the acreage to which recycled water is applied.
11. Nitrogen application rate shall consider nitrogen content of recycled water after storage (at REC-001, REC-002, and REC-004 depending on the use of recycled water).
12. Nitrogen concentrations shall be calculated and reported "as N". For example, nitrate-nitrogen = 27 mg/l as NO_3 shall be converted and reported as nitrate-nitrogen = 6.1 mg/L as N using a conversion factor of 14.067 (N)/62.0049 (NO_3).
13. Notification signs shall be consistent with the requirements of title 22.
14. ETo is the reference evapotranspiration from the nearest operating California Irrigation Management Information System (CIMIS) station. ETc is the amount of full potential water use by a crop and is calculated as ETo times a crop coefficient that accounts for the amount of sun interception and is specific to each use type (vineyard, pasture, pear orchard). The crop coefficient increases with canopy growth. The crop coefficients for each irrigation use type are included in Tables 8 through 12 of the Administrator's March 2019 NOI.
15. Maximum allowable hydraulic agronomic rates for each recycled water use type will be calculated using real-time ET_o, precipitation, and crop coefficients that are specific to the crop type as described in the Administrator's NOI, Irrigation Operations and Management Plan, including Tables 8 through 12, that is included in the July 23, 2018, NOI. Agronomic rate (feet)= (ETo (inches) x crop coefficient – precipitation (inches)) x irrigation efficiency x 1 inch/12 feet. Tables 8 through 12 of the NOI are included as Attachment 1 to this MRP.

B. Cross-Connection and Backflow Prevention Requirements

1. The potential for cross-connections and backflow prevention devices shall be monitored at use sites where cross-connection or backflow incident potential exist, as listed, below, or more frequently if specified by DDW.

Table 6. Cross-Connection and Backflow Monitoring Requirements

Requirement	Sampling Frequency	Reporting Frequency
Cross-connection testing	Four Years[1]	30 days/Annually[2]
Backflow Incident	Continuous	24 hours from discovery
Backflow Prevention Device Testing and Maintenance	Annually[3]	Annually

Table Notes:

1. Testing shall be performed at least every four years, or more frequently at the discretion of DDW.
2. Cross-connection testing shall be reported pursuant to title 22 section 60314. The report shall be submitted to DDW within 30 days and included in the annual report to the Regional Water Board.
3. Backflow prevention device maintenance shall be tested by a qualified person as described in title 17, section 7605.

2. Supplemental Water Supply. The Discharger shall notify users that if a supplemental water supply is used in conjunction with recycled water, the User or Supplier must provide a plan to DDW showing how the potential for cross-connection is managed. The User or Supplier must notify DDW prior to conducting the cross-connection control test.

C. Pond System Monitoring – Monitoring Locations PONDS 001, 002, and 003

1. The Administrator's shall monitor recycled water storage ponds permitted through the Administrator's Recycled Water Program as follows:

Table 7. Pond System Monitoring Requirements – POND-001, POND-002, and POND-003

Parameter	Units	Sample Type	Minimum Sampling Frequency	Reporting Frequency
Freeboard	0.1 feet	Measurement	Quarterly	Annually
Odors	--	Observation	Quarterly	Annually
Berm Condition	--	Observation	Quarterly	Annually

VI. REPORTING REQUIREMENTS

A. General Monitoring and Reporting Requirements

1. **Standard Provision and Reporting Requirements.** The Administrator shall comply with all Standard Provisions and Reporting Requirements (Attachment C to the General Order) related to monitoring, reporting, and recordkeeping. General Order Attachment C is attached to this MRP.

2. **Electronic Reporting.** The Administrator shall submit electronic Self-Monitoring Reports (eSMRs) using the State Water Board's California Integrated Water Quality System (CIWQS) Program Web site. The CIWQS Web site will provide additional directions for SMR submittal in the event there will be service interruption for electronic submittal. The Administrator shall maintain sufficient staffing and resources to ensure it submits eSMRs that are complete and timely. This includes provision of training and supervision of individuals (e.g., Administrator's personnel or consultant) on how to prepare and submit eSMRs.

The Administrator shall also submit all groundwater monitoring data to the State Water Board's Geographic Environmental Information Management System database (GeoTracker) at the Waterboards website for electronic submittals.

In the event that an alternate method for submittal of electronic self-monitoring reports is required, the Administrator shall submit electronically via email to NorthCoast@waterboards.ca.gov or on disk (CD or DVD) in Portable Document Format (PDF) file in lieu of paper-sourced documents. The guidelines for electronic submittal of documents can be found on the Northcoast Regional Water Board website.

3. **Complete Reporting.** All monitoring results reported shall be supported by the inclusion of the complete analytical report from the laboratory that conducted the analyses.

4. **Reporting Protocols.** The Administrator shall report with each sample result the applicable ML, the RL, and the current Method Detection Limit (MDL), as determined by the analytical procedure.

   The Administrator shall report the results of analytical determinations for the presence of chemical constituents in a sample using the following reporting protocols:

   a. Sample results greater than or equal to the reported ML shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).

   b. Sample results less than the reported ML, but greater than or equal to the laboratory's MDL, shall be reported as "Detected, but Not Quantified," or DNQ. The estimated chemical concentration of the sample shall also be reported.

   For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words "Estimated Concentration" (may be shortened to "Est. Conc."). The laboratory may, if such information is available, include numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy (± a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

   c. Sample results less than the laboratory's MDL shall be reported as "Not Detected," or ND.

   d. The Administrator is to instruct laboratories to establish calibration standards so that the ML value (or its equivalent if there is differential treatment of samples relative to calibration standards) is the lowest calibration standard. At no time is the Administrator to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

B. Annual Report

The Administrator shall submit an annual report to the Regional Water Board for each calendar year through the CIWQS Program Web site. The annual report shall be

submitted by April 1st following the monitoring year. The first annual report shall be submitted on April 1, 2020. The annual report shall, at a minimum, include the following:

1. A cover letter, included as an electronic attachment in CIWQS. The cover letter shall clearly identify whether the facility is operating in compliance with the General Order. The information contained in the cover letter shall clearly identify:

a. Facility name (Airport-Larkfield-Wikiup Sanitation Zone Recycled Water Program) and address;

b. WDID number(1B15129RSON) and CIWQS Place ID (818297);

c. Applicable period of monitoring and reporting;

d. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Administrator or the Administrator'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 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."

2. All monitoring specified in this MRP under sections II through V.

3. A summary table of all recycled water users, date and term of recycled water user agreements, and use areas. Maps should be included to identify use areas. Newly permitted recycled water users and use areas shall be clearly identified. The Administrator shall maintain all Recycled Water User Agreements on file.

4. A summary of any operational problems, equipment or process malfunctions, including incidents of delivering recycled water that does not meet all recycled water quality requirements as established in WDR Order No. R1-2019-0007, and a detailed description of any corrective or preventative actions taken.

5. A summary of all other violations of the General Order, NOA, and this MRP, including a description of the requirement that was violated, and a description of and the severity of each violation; and actions taken to correct the violations and prevent future violations;

6. A summary table of all inspections conducted by the Administrator and recycled water users, as well as any enforcement activities initiated by the Administrator. Include all site inspection reports and a discussion of compliance and the correction action(s) taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA, this MRP, and/or General Order. Copies of any enforcement actions taken by the Administrator shall be provided with the Annual Report.

7. An evaluation of the performance of the recycled water treatment facility, including a discussion of capacity issues, system problems, and a forecast of the flows anticipated in the next year.

8. An evaluation of the hydraulic and nitrogen application rates at each irrigation use site and a comparison to the agronomic rates calculated using real-time ETo data and as further described in Tables 8 through 12 of the NOI which are included as attachments to this MRP (MRP Attachment 1). If the data indicates that recycled water application rates are in excess of agronomic rates, the annual report shall also include a plan to ensure that agronomic rates identified in the NOA are not exceeded in the coming year.

9. The name and contact information for the recycled water operator responsible for operation, maintenance, and system monitoring.

10. A statement certifying when the flow meter(s) and other monitoring instruments and devices were last calibrated, including identification of who performed the calibration.

C. Special Reporting for Delivery of Disinfected Secondary Recycled Water

1. The Administrator shall notify DDW and Regional Water Board staff at least 24 hours in advance prior to delivery of disinfected secondary-23 recycled water to either Airport property or Town of Windsor intertie. The notification shall be made by telephone and documented in an email to Regional Water Board staff responsible for oversight of the Administrator's Facility.

2. The Administrator must prepare a written report following delivery of secondary-23 recycled water that documents the date, duration, and volume of the delivered recycled water along with a summary of the Administrator's staff activities reflecting the Administrator's standard operating procedures. The report must be signed by the Administrator's chief operator and sent to DDW and the Regional Water Board no later than 14 days after recycled water delivery.

3. The Administrator shall submit updated Process and Instrumentation Diagram drawings to DDW and the Regional Water Board no later than **June 6, 2020**. The drawings must accurately reflect the Administrator's current treatment and main transmission/distribution facilities.

D. Non-Compliance Reporting

1. The Administrator shall notify the Regional Water Board, DDW-Sonoma District Office, and the local health officer within one (1) business day of determining that delivery of off-specification recycled water has taken place. In circumstances where the emergency requires termination of delivery to recycled water users, the Regional Water Board shall be copied on any correspondence concerning non-compliance between the Administrator and recycled water user. This requirement does not supersede notification requirements contained within WDR/WRR Order No. R1-2019-0007 (or any future revisions) which contain requirements for the production of recycled water.

2. The Administrator shall notify the Regional Water Board within one (1) business day of any violations of the General Order, NOA, and this MRP. A written submission

shall be provided within five (5) business days of the time the Permittee becomes aware of the violation. The written submission shall include:

a. A description of the requirement that was violated, and a description of and the severity of each violation;

b. Actions taken or planned to correct the violations and prevent future violations; and

c. The proposed time schedule for corrective actions.

E. Recycled Water Spills

Notification and reporting of spills and unauthorized discharges of recycled water discharged in or on any waters of the state, as defined in Water Code section 13050, shall be conducted in accordance with the following:

1. Secondary Recycled Water

a. For unauthorized discharges of more than 1,000 gallons of secondary recycled water, the Permittee shall immediately notify the Regional Water Board as soon as (a) the Permittee has knowledge of the discharge or probable discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures

2. Tertiary Recycled Water[1]

a. For unauthorized discharges of 50,000 gallons or more of tertiary recycled water, the Administrator shall immediately notify the Regional Water Board as soon as (a) the Administrator has knowledge of the discharge or probable discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures.

b. For unauthorized discharges of more than 1,000 gallons, but less than 50,000 gallons of tertiary recycled water, the Administrator shall notify the Regional Water Board as soon as possible, but no longer than 3 days after becoming aware of the discharge.

Ordered By: Digitally signed by Claudia Villacorta Date: 2019.06.27 16:15:18 -07'00'

Matthias St. John
Executive Officer

June 27, 2019

19_0022_ALWSZ_RecycledWater_MRP

[1] Tertiary Recycled Water means "disinfected tertiary recycled water" as defined in CCR, Title 22, section 60301.230 or wastewater receiving advanced treatment beyond disinfected tertiary recycled water (Water Code section 13529.2).

MRP Attachment 1: Tables 8 through 12 from the March 2019 Airport-Larkfield-Wikiup Sanitation Zone Water Recycling Program Technical Report and Notice of Intent
MRP Attachment 2: General Order Attachment C: Standard Provisions and Reporting Requirements,
Order WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use

MRP ATTACHMENT 1

Tables 8 through 12 from the March 2019 Airport-Larkfield-Wikiup Sanitation Zone Water Recycling Program Technical Report and Notice of Intent

Table 8. Estimated Hydraulic Agronomic Rate and Nitrogen Requirements for Pasture in the Santa Rosa Area (based on 2013 to 2017 monthly average weather conditions)

Month	ETo, Santa Rosa (in)[1]	Crop Coefficient (Pasture)[2]	Full ETc (ETo*Kc) (in)	Precip (P), Santa Rosa (in)[3]	Water Demand, ETc-P (in)	Irrigation System Efficiency[4]	Hydraulic Agronomic Rate (in)[5]	Recycled Water Total Nitrogen (mg/L)[6]	Total Nitrogen Applied from Recycled Water (lb N/acre)	Nitrogen Agronomic Rate (lbs N/acre)[7]
January	1.34	0	0.00	4.93	0.00	0.69	0.00	9.68	0	0
February	1.85	0	0.00	3.63	0.00	0.69	0.00	6.74	0	0
March	3.10	0	0.00	3.04	0.00	0.69	0.00	6.99	0	0
April	4.26	0	0.00	1.71	0.00	0.69	0.00	5.96	0	0
May	5.30	0.8	4.24	0.13	4.10	0.69	5.95	6.41	8.62	34.3
June	5.84	0.8	4.68	0.14	4.53	0.69	6.57	8.88	13.19	34.3
July	6.06	0.8	4.85	0.04	4.81	0.69	6.97	7.01	11.04	34.3
August	5.31	0.8	4.25	0.04	4.21	0.69	6.10	3.19	4.40	34.3
September	4.75	0.8	3.80	0.22	3.58	0.69	5.19	3.04	3.57	34.3
October	3.52	0.8	2.81	1.34	1.48	0.69	2.14	3.94	1.91	34.3
November	1.78	0	0.00	2.48	0.00	0.69	0.00	3.36	0	0
December	1.27	0	0.00	5.18	0.00	0.69	0.00	3.31	0	0
Total (in/yr)	**44.38**	**--**	**24.63**	**22.87**	**22.72**	**--**	**32.93**		**42.7 lb N/acre**	**206 lb N/acre**
Total (ft/yr)	**3.70**	**--**	**2.05**	**1.91**	**1.89**	**--**	**2.74**		**42.7 lb N/acre**	**206 lb N/acre**

[1]ETo, monthly averages (2013 to 2017) measured at CIMIS Santa Rosa Station #83 (Windsor Station #103 data are largely unavailable).
[2]Kc, Crop coefficients were obtained from "Characterization of the Ukiah Valley Groundwater Basin, Final Report", Marquez et al, June 2017.
[3]Precipitation, monthly average (2013 to 2017) measured at CIMIS #83.
[4]Application Efficiency obtained from "Characterization of the Ukiah Valley Groundwater Basin, Final Report, Marquez et al, June 2017).
[5] The Hydraulic Agronomic Rate = (ETc-P)/(Irrigation System Efficiency). The calculated irrigation requirement does not include a leaching factor.
[6]Total Nitrogen = Ammonia-N + Organic N + Nitrate-N + nitrite-N. The total nitrogen concentration is estimated from the average monthly tertiary effluent concentrations of ammonia-N + nitrate-N, measured after storage January 1, 2012 through December 31, 2017.
[7]The nitrogen agronomic rate is estimated at **206 lbs N/acre-year**. Based on the average of five different pasture crop requirements: Clover (228 lb N/acre), Orchardgrass (210 lb N/acre), Rye Grass (192 lb N/acre), Tall Fescue (192 lb N/acre), Timothy Grass (210 lb N/acre). 'Crop Nutrient Harvest Removal,' (2009), University of California Cooperative Extension. The nitrogen requirements of the pasture crop under cultivation will be used for ongoing agronomic rate assessments.

Table 9. Estimated Hydraulic Agronomic Rate and Nitrogen Requirements for Vineyards in the Santa Rosa Area (based on 2013 to 2017 monthly average weather conditions)

Month	ETo, Santa Rosa (in)[1]	Crop Coefficient (Wine Grapes)[2]	Full ETc (ETo*Kc) (in)	Precip (P), Santa Rosa (in)[3]	Water Demand, ETc-P (in)	Irrigation System Efficiency[4]	Hydraulic Agronomic Rate (in)[5]	Recycled Water Total Nitrogen (mg/L)[6]	Total Nitrogen Applied from Recycled Water (lb N/acre)	Nitrogen Agronomic Rate (lbs N/acre)[7]
January	1.34	0	0	4.93	0	0.88	0.00	9.68	0	0
February	1.85	0	0	3.63	0	0.88	0.00	6.74	0	0
March	3.10	0	0	3.04	0	0.88	0.00	6.99	0	0
April	4.26	0.16	0.68	1.71	0	0.88	0	5.96	0	0
May	5.30	0.58	3.07	0.13	2.94	0.88	3.35	6.41	4.86	6.0
June	5.84	0.71	4.15	0.14	4.01	0.88	4.55	8.88	9.16	6.0
July	6.06	0.64	3.88	0.04	3.84	0.88	4.36	7.01	6.93	6.0
August	5.31	0.45	2.39	0.04	2.35	0.88	2.67	3.19	1.93	6.0
September	4.75	0.26	1.24	0.22	1.02	0.88	1.15	3.04	0.79	6.0
October	3.52	0.07	0.25	1.34	0	0.88	0	3.94	0	0
November	1.78	0	0	2.48	0	0.88	0.00	3.36	0	0
December	1.27	0	0	5.18	0	0.88	0.00	3.31	0	0
Total (in/yr)	**44.38**	**--**	**15.65**	**22.87**	**14.15**	**--**	**16.08**		**23.7 lb N/acre**	**30 lb N/acre**
Total (ft/yr)	**3.70**	**--**	**1.30**	**1.91**	**1.18**	**--**	**1.34**		**23.7 lb N/acre**	**30 lb N/acre**

[1]ETo, monthly averages (2013 to 2017) measured at CIMIS Santa Rosa Station #83 (Windsor Station #103 data are largely unavailable).
[2]Kc, Crop coefficients from "Irrigation with Reclaimed Municipal Wastewater" (Pettygrove and Asano, 1988)
[3]Precipitation, monthly average (2013 to 2017) measured at CIMIS #83.
[4]Drip irrigation design efficiency, from (http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex13729).
[5] The Hydraulic Agronomic Rate = (ETc-P)/(Irrigation System Efficiency). The calculated irrigation requirement does not include a leaching factor.
[6] Total Nitrogen = Ammonia-N + Organic N + Nitrate-N + nitrite-N. The total nitrogen concentration was estimated from the average monthly tertiary effluent concentrations of ammonia-N + nitrate-N, measured after storage January 1, 2012 through December 31, 2017
[7]The nitrogen agronomic rate is estimated at **30 lb N/acre-year** ("Third Edition California Code of Sustainable Winegrowing Workbook," California Sustainable Winegrowing Alliance 2012), but the vineyard requirement may be adjusted up or down based on vine vigor and crop load.

Table 10. Estimated Hydraulic Agronomic Rate and Nitrogen Requirements for Chestnut Trees in the Santa Rosa Area (based on 2013 to 2017 monthly average weather conditions)

Month	ETo, Santa Rosa (in)[1]	Crop Coefficient (Walnuts)[2]	Full ETc (ETo*Kc) (in)	Precip (P), Santa Rosa (in)[3]	Water Demand, ETc-P (in)	Irrigation System Efficiency[4]	Hydraulic Agronomic Rate (in)[5]	Recycled Water Total Nitrogen (mg/L)[6]	Total Nitrogen Applied from Recycled Water (lb N/acre)	Nitrogen Agronomic Rate (lbs N/acre)[7]
January	1.34	0	0	4.93	0	0.88	0.00	9.68	0	0
February	1.85	0	0	3.63	0	0.88	0.00	6.74	0	0
March	3.10	0.12	0.37	3.04	0	0.88	0.00	6.99	0	0
April	4.26	0.68	2.90	1.71	1.19	0.88	1.35	5.96	1.82	13.8
May	5.30	0.86	4.55	0.13	4.42	0.88	5.02	6.41	7.27	13.8
June	5.84	1.00	5.84	0.14	5.70	0.88	6.48	8.88	13.00	13.8
July	6.06	1.14	6.91	0.04	6.87	0.88	7.81	7.01	12.37	13.8
August	5.31	1.14	6.05	0.04	6.02	0.88	6.84	3.19	4.93	13.8
September	4.75	1.08	5.13	0.22	4.91	0.88	5.58	3.04	3.83	13.8
October	3.52	0.88	3.10	1.34	1.76	0.88	2.00	3.94	1.78	13.8
November	1.78	0.28	0.50	2.48	0	0.88	0.00	3.36	0	13.8
December	1.27	0	0	5.18	0	0.88	0.00	3.31	0	0
Total (in/yr)	**44.38**	**--**	**35.36**	**22.87**	**30.87**	**--**	**35.08**		**45.0 lb N/acre**	**110 lb N/acre**
Total (ft/yr)	**3.70**	**--**	**2.95**	**1.91**	**2.57**	**--**	**2.92**		**45.0 lb N/acre**	**110 lb N/acre**

[1]ETo, monthly averages (2013 to 2017) measured at CIMIS Santa Rosa Station #83 (Windsor Station #103 data are largely unavailable).
[2]Kc, walnuts (http://anrcatalog.ucanr.edu/pdf/8212.pdf). Kc values for chestnuts were unavailable, but literature indicates that the culture of chestnuts parallels that of walnuts: (http://sfp.ucdavis.edu/pubs/SFNews/archives/96031/).
[3]Precipitation, monthly average (2013 to 2017) measured at CIMIS #83.
[4] Drip irrigation design efficiency, from (http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex13729).
[5] The Hydraulic Agronomic Rate = (ETc-P)/(Irrigation System Efficiency). The calculated irrigation requirement does not include a leaching factor.
[6] Total Nitrogen = Ammonia-N + Organic N + Nitrate-N + nitrite-N. The total nitrogen concentration was estimated from the average monthly tertiary effluent concentrations of ammonia-N + nitrate-N, measured after storage January 1, 2012 through December 31, 2017.
[7]The nitrogen agronomic rate is estimated at **110 lb N/acre-year** Anderson, K.K., Grant, J., Weinbaum, S.A., Pettygrove, S., 2006. Guide to efficient nitrogen fertilizer use in walnut orchards. University of California, Agriculture and Natural Resources. Publication 21623.

Table 11. Estimated Hydraulic Agronomic Rate and Nitrogen Requirements for Turf Grass in the Santa Rosa Area (based on 2013 to 2017 monthly average weather conditions)

Month	ETo, Santa Rosa (in)[1]	Crop Coefficient (Turf Grass)[2]	Full ETc (ETo*Kc) (in)	Precip (P), Santa Rosa (in)[3]	Water Demand, ETc-P (in)	Irrigation System Efficiency[4]	Hydraulic Agronomic Rate (in)[5]	Recycled Water Total Nitrogen (mg/L)[6]	Total Nitrogen Applied from Recycled Water (lb N/acre)	Nitrogen Agronomic Rate (lbs N/acre)[7]
January	1.34	0.61	0.82	4.93	0.00	0.80	0.00	9.68	0	0
February	1.85	0.64	1.18	3.63	0.00	0.80	0.00	6.74	0	0
March	3.10	0.75	2.33	3.04	0.00	0.80	0.00	6.99	0	0
April	4.26	1.04	4.43	1.71	2.72	0.80	3.40	5.96	4.58	24.9
May	5.30	0.95	5.03	0.13	4.90	0.80	6.12	6.41	8.87	24.9
June	5.84	0.88	5.14	0.14	5.00	0.80	6.25	8.88	12.54	24.9
July	6.06	0.94	5.70	0.04	5.66	0.80	7.08	7.01	11.22	24.9
August	5.31	0.86	4.57	0.04	4.53	0.80	5.66	3.19	4.08	24.9
September	4.75	0.74	3.52	0.22	3.30	0.80	4.12	3.04	2.83	24.9
October	3.52	0.75	2.64	1.34	1.30	0.80	1.63	3.94	1.45	24.9
November	1.78	0.69	1.23	2.48	0.00	0.80	0.00	3.36	0	0
December	1.27	0.60	0.76	5.18	0.00	0.80	0.00	3.31	0	0
Total (in/yr)	**44.38**	**--**	**37.34**	**22.87**	**27.41**	**--**	**34.26**		**45.6 lb N/acre**	**174 lb N/acre**
Total (ft/yr)	**3.70**	**--**	**3.11**	**1.91**	**2.28**	**--**	**2.86**		**45.6 lb N/acre**	**174 lb N/acre**

[1] ETo, monthly averages (2013 to 2017) measured at CIMIS Santa Rosa Station #83 (Windsor Station #103 data are largely unavailable).
[2] Kc, Crop coefficients for cool-season turfgrasses in California: Meyer, J.L. and Gibeault, V.A., 1987. Turfgrass Performance when Under-irrigated. Applied Agricultural Research Vol. 2, No. 2, pp. 117-119.
[3] Precipitation, monthly average (2013 to 2017) measured at CIMIS #83.
[4] Green, R.L. (2005). Golf Course Water Use and Regulation in California. Golf Course Management, October 2005. Efficient golf course rotary sprinkler operation is 80%.
[5] The Hydraulic Agronomic Rate = (ETc-P)/(Irrigation System Efficiency). The calculated irrigation requirement does not include a leaching factor.
[6] Total Nitrogen = Ammonia-N + Organic N + Nitrate-N + nitrite-N. The total nitrogen concentration was estimated from the average monthly tertiary effluent concentrations of ammonia-N + nitrate-N, measured after storage January 1, 2012 through December 31, 2017.
[7] The nitrogen agronomic rate is estimated at **174 lbs N/acre-year**. UCANR. (2002). *Practical Lawn Fertilization. Publication 8065.* Regents of the University of California, Division of Agriculture and Natural Resources. (2 – 4 lbs N/1,000 sq ft-year).

Table 12. Estimated Hydraulic Agronomic Rate and Nitrogen Requirements for Cannabis in the Santa Rosa Area (based on 2013 to 2017 monthly average weather conditions)

Month	ETo, Santa Rosa (in)[1]	Crop Coefficient (Corn)[2]	Full ETc (ETo*Kc) (in)	Precip (P), Windsor (in)[3]	Water Demand, ETc-P (in)	Irrigation System Efficiency[4]	Hydraulic Agronomic Rate (in)[5]	Recycled Water Total Nitrogen (mg/L)[6]	Total Nitrogen Applied from Recycled Water (lb N/acre)	Nitrogen Agronomic Rate (lbs N/acre)[7]
January	1.15	0	0.00	5.03	0.00	0.7	0.00	9.68	0	0
February	1.94	0	0.00	4.17	0.00	0.7	0.00	6.74	0	0
March (1-16)	1.08	0.25	0.27	3.09	0.00	0.7	0.00	6.99	0	0
March (16-31)	1.50	0.4	0.60	2.06	0.00	0.7	0.00	6.99	0	0
April (1-15)	1.83	0.45	0.82	1.63	0.00	0.7	0.00	5.96	0	0
April (16-30)	2.38	0.85	2.03	0.42	1.60	0.7	2.29	5.96	3.09	6.94
May (1-15)	2.92	1.12	3.27	0.10	3.16	0.7	4.52	6.41	6.56	6.94
May (16-30)	2.91	1.2	3.50	0.37	3.13	0.7	4.47	6.41	6.48	6.94
June (1-15)	3.27	1.3	4.25	0.20	4.05	0.7	5.79	8.88	11.64	6.94
June (16-30)	3.49	1.3	4.53	0.10	4.43	0.7	6.33	8.88	12.74	6.94
July (1-15)	3.48	1.1	3.82	0.06	3.77	0.7	5.38	7.01	8.54	6.94
July (16-31)	3.35	0.8	2.68	0.06	2.62	0.7	3.74	7.01	5.94	6.94
August (1-15)	2.88	0	0.00	0.00	0.00	0.7	0.00	3.19	0	0
August (16-31)	2.90	0	0.00	0.00	0.00	0.7	0.00	3.19	0	0
September (1-15)	2.44	0	0.00	0.01	0.00	0.7	0.00	3.04	0	0
September (16-30)	2.24	0	0.00	0.15	0.00	0.7	0.00	3.04	0	0
October (1-15)	1.82	0	0.00	0.25	0.00	0.7	0.00	3.94	0	0
October (16-31)	1.31	0	0.00	1.88	0.00	0.7	0.00	3.94	0	0
November	1.50	0	0.00	3.57	0.00	0.7	0.00	3.36	0	0
December	1.22	0	0.00	6.00	0.00	0.7	0.00	3.31	0	0
Total (in/year)	**45.59**	**--**	**25.77**	**29.15**	**22.76**	**--**	**32.51**		**55 lb N/acre**	**48.6 lb N/acre**
Total (ft/year)	**3.80**	**--**	**2.15**	**2.43**	**1.90**	**--**	**2.71**		**55 lb N/acre**	**48.6 lb N/acre**

[1] ETo, monthly averages (2010 to 2017) measured at CIMIS Windsor Station #103
[2] Kc, Crop coefficients for Corn: M. O'Hare et al. (2013), "Environmental Risks and Opportunities in Cannabis Cultivation", BOTEC Analysis Corporation.
[3] Precipitation, monthly average (2010 to 2017) measured at CIMIS #103.
[4] Irrigation system efficiency approximately 70% for furrow irrigation.
[5] The Hydraulic Agronomic Rate = (ETc-P)/(Irrigation System Efficiency). The calculated irrigation requirement does not include a leaching factor.
[6] Total Nitrogen = Ammonia-N + Organic N + Nitrate-N + nitrite-N. The total nitrogen concentration was estimated from the average monthly tertiary effluent concentrations of ammonia-N + nitrate-N, measured after storage January 1, 2012 through December 31, 2017.
[7]The agronomic rate for nitrogen is estimated at **48.6 lbs N/acre/year for corn**: M. O'Hare et al. (2013), "Environmental Risks and Opportunities in Cannabis Cultivation", BOTEC Analysis Corporation.

ATTACHMENT 2

General Order Attachment C: Standard Provisions and Reporting Requirements, Order WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use

ATTACHMENT C: STANDARD PROVISIONS AND REPORTING REQUIREMENTS ORDER WQ 2016-0068-DDW WATER RECLAMATION REQUIREMENTS FOR RECYCLED WATER USE

A. GENERAL PROVISIONS

1. Duty to Comply
   a. An Administrator must comply with all of the conditions of this General Order and the MRP. Any General Order or MRP non-compliance constitutes a violation of the Water Code and/or Basin Plan and is subject to enforcement action.
   b. The filing of a request by the Administrator for a modification, revocation and reissuance, termination, a notification of planned changes, or anticipated non-compliance does not stay any General Order or MRP condition.

2. Duty to Mitigate
   The Administrator shall take all reasonable steps to minimize or prevent any discharge in violation of this General Order which has a reasonable likelihood of adversely affecting public health or the environment, including such accelerated or additional monitoring as requested by the State or Regional Water Board to determine the nature and impact of the violation.

3. Property Rights
   This General Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from liabilities under federal, state, or local laws.

4. Duty to Provide Information
   The Administrator shall furnish, within a reasonable time, any information the Regional Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the General Order coverage. The Administrator shall also furnish to the Regional Water Board, upon request, copies of records required to be kept by its General Order.

5. Availability
   A copy of this General Order, the NOA, and the MRP shall be maintained at the Administrator facilities and be available at all times to operating personnel.

B. GENERAL REPORTING REQUIREMENTS

1. Signatory Requirements

   a. All reports required by this General Order and other information requested by the Regional Water Board shall be signed by the Administrator principal owner or operator, or by a duly authorized representative of that person.

Duly authorized representative is one whose:

1) Authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as general manager in a partnership, manager, operator, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position), and

2) Written authorization is submitted to the Regional Water Board. If an authorization becomes no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements above must be submitted to the Regional Water Board prior to or together with any reports, information, or applications to be signed by an authorized representative.

b. Certification

All reports signed by a duly authorized representative under Provision C.1 shall contain the following certification:

"I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2. Should the responsible reporting party discover that it failed to submit any relevant facts or that it submitted incorrect information in any report, it shall promptly submit the missing or correct information. All violations of any requirements in this General Order, including Uniform Statewide Recycling Criteria requirements shall be submitted in the annual self-monitoring reports.

3. False Reporting
Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this General Order, including monitoring reports or reports of compliance or non-compliance shall be subject to enforcement procedures as identified in Section C of these Provisions.

C. ENFORCEMENT

1. The provision contained in this enforcement section shall not act as a limitation on the statutory or regulatory authority of the State and Regional Water Board.

2. Any violation of this General Order constitutes violation of the Water Code and regulations adopted thereunder, and are the basis for enforcement action, General Order termination, General Order revocation and reissuance, denial of an application for General Order reissuance, or a combination thereof.

3. The State and Regional Water Board may impose administrative civil liability, may refer a discharger to the State Attorney General to seek civil monetary penalties, may seek injunctive relief or take other appropriate enforcement action as provided in the Water Code for violation of this General Order.