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**North Coast Regional Water Quality Control Board**

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
NORTH COAST REGION**

**MONITORING AND REPORTING PROGRAM  
ORDER No. R1-2020-0029  
(Revised November 3, 2020)**

**FOR THE  
CITY OF SANTA ROSA  
RECYCLED WATER PROGRAM**

**WDID NO. 1B20110RSON  
SONOMA COUNTY**

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**MONITORING AND REPORTING PROGRAM (MRP)**  
**Order No. R1-2020-0029**  
**(Revised November 3, 2020)**

This monitoring and reporting program (MRP) replaces the MRP in the General Order and serves as a project-specific MRP to address recycled water distribution and use area specific water quality concerns. The MRP was developed to be consistent with Order WQ 2016-0068-DDW (hereafter General Order) and to reflect the information provided in the December 2019 Notice of Intent (NOI) submitted by the City of Santa Rosa on March 27, 2020. Water recycling specifications and requirements, including monitoring requirements that apply to the production of recycled water and storage of treated wastewater and recycled water prior to its discharge to surface waters, are established in Order No. R1-2020-0012, Waste Discharge Requirements (WDR) for the Santa Rosa Regional Water Reuse System, Laguna Treatment Plant, Sonoma County (NPDES No. CA0022764 and WDID No. 1B83099OSON) and the MRPs associated with that Order.

The City of Santa Rosa owns and operates a wastewater treatment plant (Facility) that produces disinfected tertiary recycled water for beneficial reuse for urban, agricultural, and industrial uses as allowed by the California Code of Regulations, Title 22, Division 4, Chapter 3. The City of Santa Rosa (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 City of Santa Rosa will act as the Administrator of the City'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 September 29, 2020

This project-specific MRP describes requirements for monitoring the Administrator's recycled water system. This project-specific 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 project-specific MRP is issued by the Regional Water Board Executive Officer. The Administrator shall implement this monitoring and reporting program.

## **1. GENERAL MONITORING PROVISIONS**

### **1.1. Supplemental Monitoring Provision**

If the Administrator monitors any pollutant more frequently than required by this Order, using test procedures approved by 40 C.F.R. part 136 or as specified in 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.

## 1.2. **Data Quality Assurance Provision**

Laboratories analyzing monitoring samples shall be certified by the State Water Resources Control Board (State Water Board), in accordance with the provisions of Water Code section 13176 and must include quality assurance/quality control data with their analytical reports.

## 1.3. **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.

## 1.4. **Instrumental 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 (except customer meters) 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. Customer meters not requiring periodic calibration per the manufacturer, at a minimum, shall be visually inspected and documented to be in proper operational condition on an annual basis.

## 1.5. **Field test Instruments**

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that the samples are analyzed by a State Water Board certified laboratory, or:

- a. The user is trained in proper use and maintenance of the instruments;
- b. All readings are properly recorded and records maintained;
- c. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
- d. Instruments are serviced by the manufacturer or authorized representative at the recommended frequency; and
- e. Field calibration reports are maintained and available for at least three years.

## 1.6. **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).

### 1.7. 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 Order. 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.

### 1.8. Approved Test Methods

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

### 1.9. 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.

## 2. RECYCLED WATER MONITORING LOCATIONS

### 2.1. Recycled Water Monitoring Location EFF-001

2.1.1. The following monitoring locations have been established for monitoring the quality of the recycled water distributed to recycled water users.

**TABLE 1 RECYCLED WATER MONITORING – MONITORING LOCATION EFF-001**

Distribution Point Name	Monitoring Location Name	Monitoring Location Description
001	EFF-001	Recycled water following all treatment and before it enters the recycled water storage ponds and/or Geysers Project distribution system.
002	EFF-001	Recycled water following all treatment and before it enters the irrigation distribution system.

## 3. RECYCLED WATER MONITORING REQUIREMENTS

### 3.1. Recycled Water Monitoring Location EFF-001

3.1.1. The Administrator is required to monitor for Total Coliform Bacteria and Turbidity. This requirement may be met through submittal of data collected as required under NPDES Order No. R1-2020-0012 as described in 1.7 above

3.1.2. The Administrator shall monitor the quality of the recycled water prior to distribution to the Geysers Project distribution system or the irrigation distribution system at Monitoring Location EFF-001 as follows:

**TABLE 2 RECYCLED WATER MONITORING REQUIREMENTS – MONITORING LOCATION EFF-001**

<b>Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Minimum Sampling Frequency</b>	<b>Required Analytical Test Method <sup>(2)</sup></b>
Recycled Water Flow <sup>(1)</sup>	mgd	Meter	Continuous	---
Ammonia Nitrogen (as N)	mg/L	Grab	Biannual <sup>(5)</sup>	Part 136
Nitrate Nitrogen (as N)	mg/L	Grab	Biannual <sup>(5)</sup>	Part 136
Nitrite Nitrogen (as N)	mg/L	Grab	Biannual <sup>(5)</sup>	Part 136
Organic Nitrogen (as N)	mg/L	Grab	Biannual <sup>(5)</sup>	Part 136
Total Nitrogen (as N)	mg/L	Calculation <sup>(3)</sup>	Biannual <sup>(5)</sup>	Part 136
Total Dissolved Solids (TDS)	mg/L	Grab	Biannual <sup>(4,5)</sup>	Part 136
Sodium	mg/L	Grab	Biannual <sup>(4,5)</sup>	Part 136
Chloride	mg/L	Grab	Biannual <sup>(4,5)</sup>	Part 136
Boron	mg/L	Grab	Biannual <sup>(4,5)</sup>	Part 136

**Table Notes**

1. Each month, the Administrator shall report the daily average and monthly average flows.
2. Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Regional Water Board or State Water Board, such as with the current edition of Standard Methods for Examination of Waters and Wastewater (American Public Health Administration).
3. Total Nitrogen shall be calculated as the sum of the results for Ammonia Nitrogen, Nitrate Nitrogen, Nitrite Nitrogen, and Organic Nitrogen.
4. The monitoring frequency for TDS, Sodium, Chloride, and Boron may be reduced or eliminated by the Regional Water Board Executive Officer through the modification of this MRP if monitoring data demonstrates that concentrations of these constituents are consistently lower than water quality objectives for protecting groundwater.
5. Biannual sampling to occur in second and third quarter of each calendar year.

**4. RECEIVING WATER MONITORING REQUIREMENTS - GROUNDWATER****4.1. Groundwater Monitoring**

Groundwater monitoring related to recycled water storage and use is being addressed through a Salt and Nutrient Management Plan Groundwater Monitoring and Reporting Program pursuant to WDR/NPDES Permit Order No. R1-2020-0012. As needed, additional groundwater monitoring requirements related to recycled water storage and use may be specified in a future revision of this MRP.

## 5. OTHER MONITORING REQUIREMENTS

### 5.1. Storage Pond Monitoring

The Administrator shall monitor all recycled water storage ponds and impoundments as described in Table 3.

Additional storage pond monitoring related to recycled water storage is being addressed through the Storage Pond Monitoring Program, Special Provision VI.C.2.g of WDR/NPDES Permit Order No. R1-2020-0012.

**TABLE 3 STORAGE POND MONITORING REQUIREMENTS**

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

### 5.2. Recycled Water Use

5.2.1. The Administrator shall monitor use area(s) at a frequency appropriate to determine compliance with all conditions of the General Order and the Administrator's recycled water use program requirements. An Administrator may assign monitoring responsibilities to a 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.

5.2.2. Visual observations of the agricultural and urban use areas shall be recorded a minimum of monthly during periods of recycled water use, and under representative use conditions, in order to verify compliance with recycled water requirements in the General Order and NOA. The Administrator shall confirm proper operation of the recycled water system and associated best management practices (BMPs) and include a record of any malfunctions or findings of improper operation, including, but not limited to: observations for evidence of ponding that exceeds 24 hours, runoff, odors, vectors, leaks or breaks in equipment, proper identification of recycled water infrastructure, proper signage, etc., as well as corrective actions taken to resolve the issue. Visual observations may be performed by the recycled water users in accordance with the Administrator's user agreements. Visual observation and associated records shall be retained and included in the Administrator's Annual Recycled Water Report.

5.2.3. The following shall be recorded for each User 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 areas are identified in Attachment C of the Administrator's NOI. Use area monitoring shall include the following parameters:

**TABLE 4 RECYCLED WATER USE AREA REQUIREMENTS <sup>(1)</sup>**

<b>Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Minimum Sampling/ Observation Frequency <sup>(2)</sup></b>
Recycled Water User	---	---	---
Recycled Water Flow <sup>(3)</sup>	gpd <sup>(4)</sup>	Meter <sup>(5)</sup>	Monthly
Acreage Applied <sup>(6)</sup>	Acres	Calculated	Annually
Application Rate (hydraulic)	Inches/acre/year	Calculated	Annually
Total Nitrogen Application Rate <sup>(7,8)</sup>	lbs/acre/month	Calculated	Annually
Soil Saturation/Ponding	---	Observation	Monthly
Discharge Off-Site	---	Observation	Monthly
Nuisance Odors/Vectors	---	Observation	Monthly
Notification Signs <sup>(9)</sup>	---	Observation	Monthly
Rainfall	Inches	Gage	Daily
Maximum Allowable Hydraulic Agronomic Rate <sup>(10)</sup>	Inches	Calculation	Annually

**Table Notes**

1. Recycled water production and use area monitoring shall be reported with the annual report (section 6.2 of this MRP). Non-compliance incidents shall be reported as specified in section 6.3 of this MRP.
2. Or less frequently if approved by the Regional Water Board Executive Office through the modification of this MRP.
3. Estimation of recycled water flow shall not include other potable or non-potable "make-up" water used in conjunction with recycled water use.
4. gpd denotes gallons per day.
5. Meter requires meter reading, a pump run time meter, or other approved method of flow monitoring.
6. Acreage applied denotes the acreage to which recycled water is applied.
7. Nitrogen application rate shall consider nitrogen content of recycled water at EFF-001.
8. Nitrogen concentrations shall be calculated and reported "as N". For example, nitrate-nitrogen = 27 mg/l as NO<sub>3</sub> 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<sub>3</sub>).
9. Notification signs shall be consistent with the requirements of Title 22, section 60310(g).

10. Maximum allowable hydraulic agronomic rates for each recycled water use site will be calculated as follows:  $[ETo-EP] \times [LFh = (LFm \times 0.6)] \times \text{Total Area} \times CF$  where:

- ETo (Reference Evapotranspiration) = Evapotranspiration is defined as the amount of water used by the plants (transpiration) and evaporated from the soil (evaporation). It is measured in inches by the Santa Rosa Irrigation Management System's weather station (CIMIS Station #83). Reference evapotranspiration is a standard measurement of evapotranspiration for cool-season turf.
- EP (Effective Precipitation) = The depth of rainfall, measured in inches by Santa Rosa CIMIS weather station #83, that offsets ETo. Effective precipitation is assumed to be a third of the actual measured precipitation.
- LFh (Landscape fraction high) = fraction of site's landscape area consisting of high-water use plants or uses. High water use plants include turfgrass, ornamental water features, annuals, plants in containers, and agricultural customers irrigating pastures, fodder crops, vegetable crops, or other high-water use crops.
- LFm (Landscape fraction medium) = fraction of site's landscape area consisting of moderate and low water use plants such as trees, shrubs, and vines. The size of these landscaped areas is multiplied by a factor of 0.6 to account for their proportionately lower water use.
- Total Area = total size of recycled water use area, in square feet.
- CF (Conversion Factor) = 0.623, the number that converts the volumetric unit (square feet x inches) to gallons.

### 5.3. Dual Plumbed Water Systems/Other Uses of Recycled Water

- 5.3.1. The potential for cross-connections shall be monitored and backflow prevention devices shall be inspected at use sites where cross-connection or backflow incident potential exist, as listed, below, or more frequently if specified by DDW.
- 5.3.2. The Administrator shall notify DDW prior to conducting cross-connection control tests. Adequate notice must be provided to allow DDW staff the option to witness the test. The certified professional performing the test shall be identified in the notification to DDW.
- 5.3.3. Inspection and the testing shall be performed by a Cross Connection Control Specialist certified by the California-Nevada section of the American Water Works Association or an organization with equivalent requirements.
- 5.3.4. Prior to delivery of recycled water, notification of new user sites for dual plumbed use areas will be provided to DDW for review and approval as required by Title 22 sections 60313-60316.

**TABLE 5 CROSS-CONNECTION AND BACKFLOW MONITORING REQUIREMENTS**

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Reporting Frequency</b>
Cross-connection inspection <sup>(1)</sup>	Annually	Annually
Cross-connection testing	Four Years <sup>(2)</sup>	30 days/Annually <sup>(3)</sup>
Backflow Incident	Continuous	24 hours from discovery
Backflow Prevention Device Testing and Maintenance	Annually <sup>(4)</sup>	Annually

**Table Notes**

1. The Administrator shall ensure that the dual plumbed recycled water system (indoor and outdoor) is inspected for possible cross connection with the potable water system.
2. Testing of dual plumbed recycled water systems shall be performed prior to initiating recycled water service and at least every four years, or more frequently at the discretion of DDW. Testing results shall be maintained by the Administrator and submitted annually.
3. 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.
4. Backflow prevention device testing and maintenance shall be conducted by a qualified person as described in Title 17, Section 7605.

**6. REPORTING REQUIREMENTS****6.1. General Monitoring and Reporting Requirements****6.1.1. 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 record keeping. General Order Attachment C is attached to this site-specific MRP.

**6.1.2. Electronic Reporting.**

- 6.1.2.1. The Administrator shall submit electronic Self-Monitoring Reports (eSMRs) using the State Water Board's California Integrated Water Quality System (CIWQS) Program [Website](#). 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.

- 6.1.2.2. The Administrator shall also submit all groundwater monitoring data to the State Water Board's Geographic Environmental Information Management System database ([GeoTracker](#))
- 6.1.2.3. 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](mailto: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 Regional Water Board [website](#)

6.1.3. **Complete Reporting.**

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

6.1.4. **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 procedure in 40 C.F.R. part 136. The Administrator shall report the results of analytical determinations for the presence of chemical constituents in a sample using the following reporting protocols:

- 6.1.4.1. 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).
- 6.1.4.2. 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 ( $\pm$  a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

- 6.1.4.3. Sample results less than the laboratory's MDL shall be reported as "Not Detected," or ND.
- 6.1.4.4. 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.

## 6.2. 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 1<sup>st</sup> following the monitoring year. The annual report shall, at a minimum, include the following:

6.2.1. 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 and address;
- b. WDID number;
- 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."

6.2.2. All monitoring specified in this site-specific MRP under sections 2 through 5. When CIWQS does not provide for entry into a tabular format within the system, the Administrator shall electronically submit the data in a tabular format as an attachment. If the Administrator monitors any pollutant more frequently than required by this MRP, the results of this monitoring shall be included in the calculations and reporting of the data.

6.2.3. A summary table of all recycled water users, the status of the Recycled Water Use Permit for each User, and use areas shall be provided. Maps may 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.

6.2.4. The volume of recycled water used by each user, by type of use(s) and any observations indicating non-compliance with the provisions of the General Order, the site-specific MRP, or NOA.

6.2.5. A summary of the freeboard measurement in any reservoir or pond containing recycled water where operating conditions necessitate a freeboard of less than two feet, or less than the pond's minimum design freeboard.

The summary will include an explanation of the circumstances under which the reduced freeboard has occurred, the estimated minimum freeboard during the occurrence, and any permit noncompliance occurring as a result of the reduced freeboard.

- 6.2.6. A summary of all 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.
- 6.2.7. 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/NPDES Permit Order No. R1-2020-0012 and a detailed description of any corrective or preventative actions taken.
- 6.2.8. A summary of recycled water diversions enacted as part of the Laguna Treatment Plant emergency response procedure (Off-Spec Condition Response Plan). The summary shall include the volume, destination, and end use of the partially-treated recycled water, and a statement indicating that this water met the Title 22 requirements for use of secondary recycled water and is suitable for the resulting end use.
- 6.2.9. A summary table of all inspections, both conducted by the Administrator and by Users, and enforcement activities initiated by the Administrator. Include 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.
- 6.2.10. A summary of cross connection incidents as a part of the Administrator's cross connection control program management. Document how the cross connection is discovered, corrected, and when services are returned to the customer's site.
- 6.2.11. 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.
- 6.2.12. The name, title, and 24-hour contact information for the recycled water operator responsible for operation, maintenance, and system monitoring.
- 6.2.13. A statement certifying when the flow meter(s) and other monitoring instruments and devices were last calibrated, including identification of who performed the calibration.

### **6.3. Non-compliance Reporting**

- 6.3.1. The Administrator shall notify the Regional Water Board 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

Users, the Regional Water Board shall be copied on any correspondence concerning non-compliance between the Administrator and User. This requirement does not supersede notification requirements contained within WDR/WRR Order No. R1-2020-0012 (or any future revisions) which contain requirements for the production of recycled water.

- 6.3.2. 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 violation and prevent future violations; and
  - c. The proposed time schedule for corrective actions.

#### 6.4. 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:

##### 6.4.1. Secondary Recycled Water <sup>1</sup>

- 6.4.1.1. For unauthorized discharges of more than 1,000 gallons of secondary recycled water, the Administrator shall 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.

##### 6.4.2. Tertiary Recycled Water <sup>2</sup>

- 6.4.2.1. 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

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<sup>1</sup> Secondary Recycled Water means “disinfected secondary 23 recycled water” or “undisinfected secondary recycled water” as defined by Title 22 sections 60301.225 and 60301.900.

<sup>2</sup> Tertiary Recycled Water means “disinfected tertiary 2.2 recycled water” as defined by DDW or wastewater receiving advanced treatment beyond disinfected tertiary 2.2 recycled water.

discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures.

- 6.4.2.2. 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.

## 6.5. Recycled Water User's Guide

- 6.5.1. Updates to the Recycled Water User's Guide must be reviewed by Regional Water Board and DDW staff and accepted by DDW prior to implementation by the Administrator's program. The Administrator may consult with the Regional Water Board to waive the aforementioned requirement for minor and non-substantive changes. The Regional Water Board shall communicate with DDW when necessary to determine if a waiver request is appropriate.

## 6.6. Engineering Report.

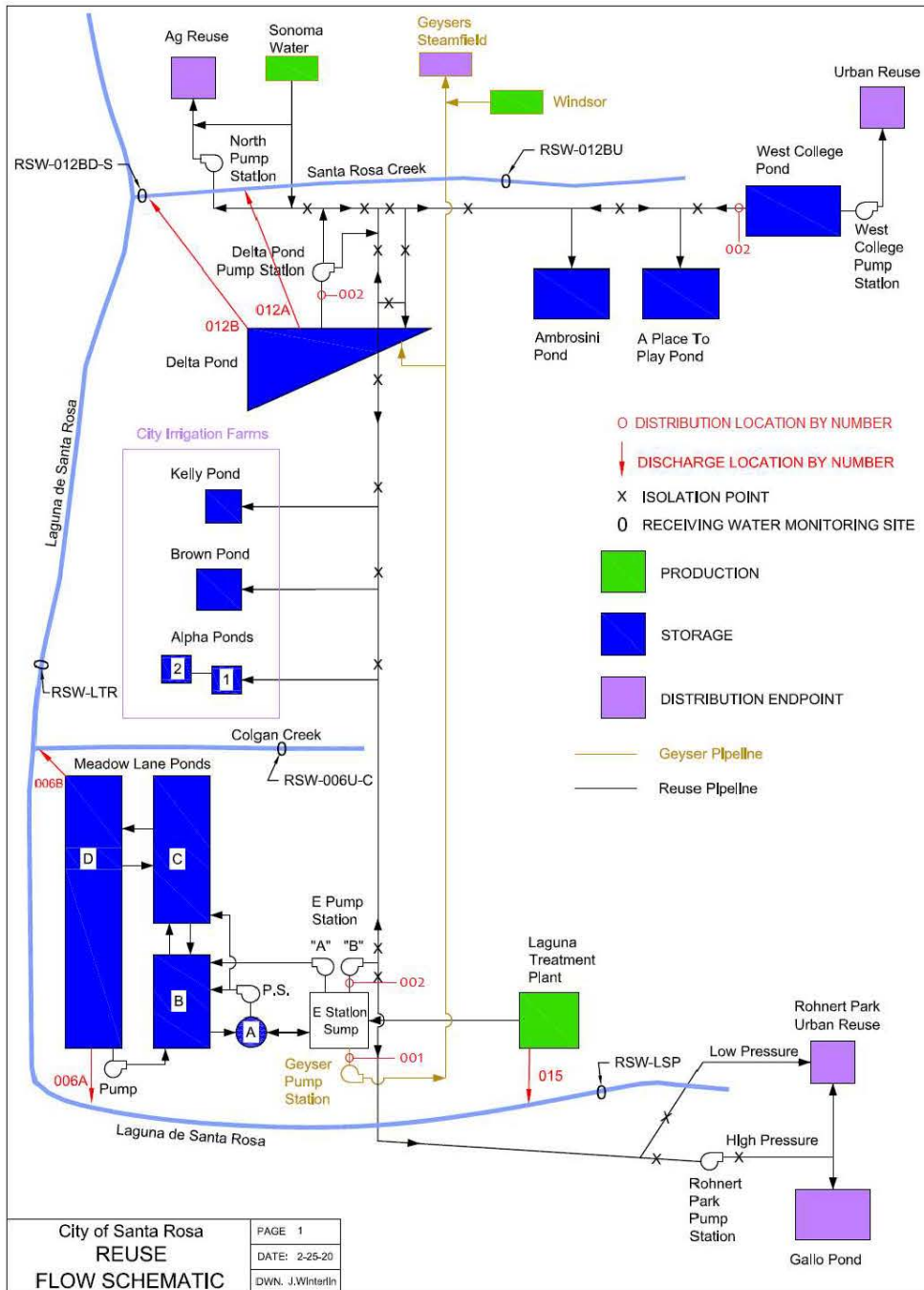
The Engineering Report must be revised and submitted to DDW for review and acceptance, under any of the following circumstances:

- 6.6.1. Addition of new dual-plumbed use areas. Prior to delivery of recycled water, notification of new user sites for dual plumbed use areas shall be provided to DDW for review and approval as required by Title 22 sections 60313-60316.
- 6.6.2. Addition of other new use types. Prior to delivery of recycled water, the Engineering Report and Recycled Water User's Guide shall be revised or updated to reflect new use types that are not addressed in the current enrollment under the General Order.
- 6.6.3. Changes in operations and recycled water management. The Engineering Report and any applicable appendices shall be submitted to DDW for review and acceptance whenever there are changes in operations and recycled water program management.
- 6.6.4. Any updates or changes to the Engineering Report must be made in any application or documents submitted to the Regional Water Quality Control Board.

Ordered By: \_\_\_\_\_  
Matthias St. John  
Executive Officer

20\_0029\_RecycledWater\_SR\_MRPv2

**ATTACHMENT A-1**  
**RECLAMATION FLOW SCHEMATIC**

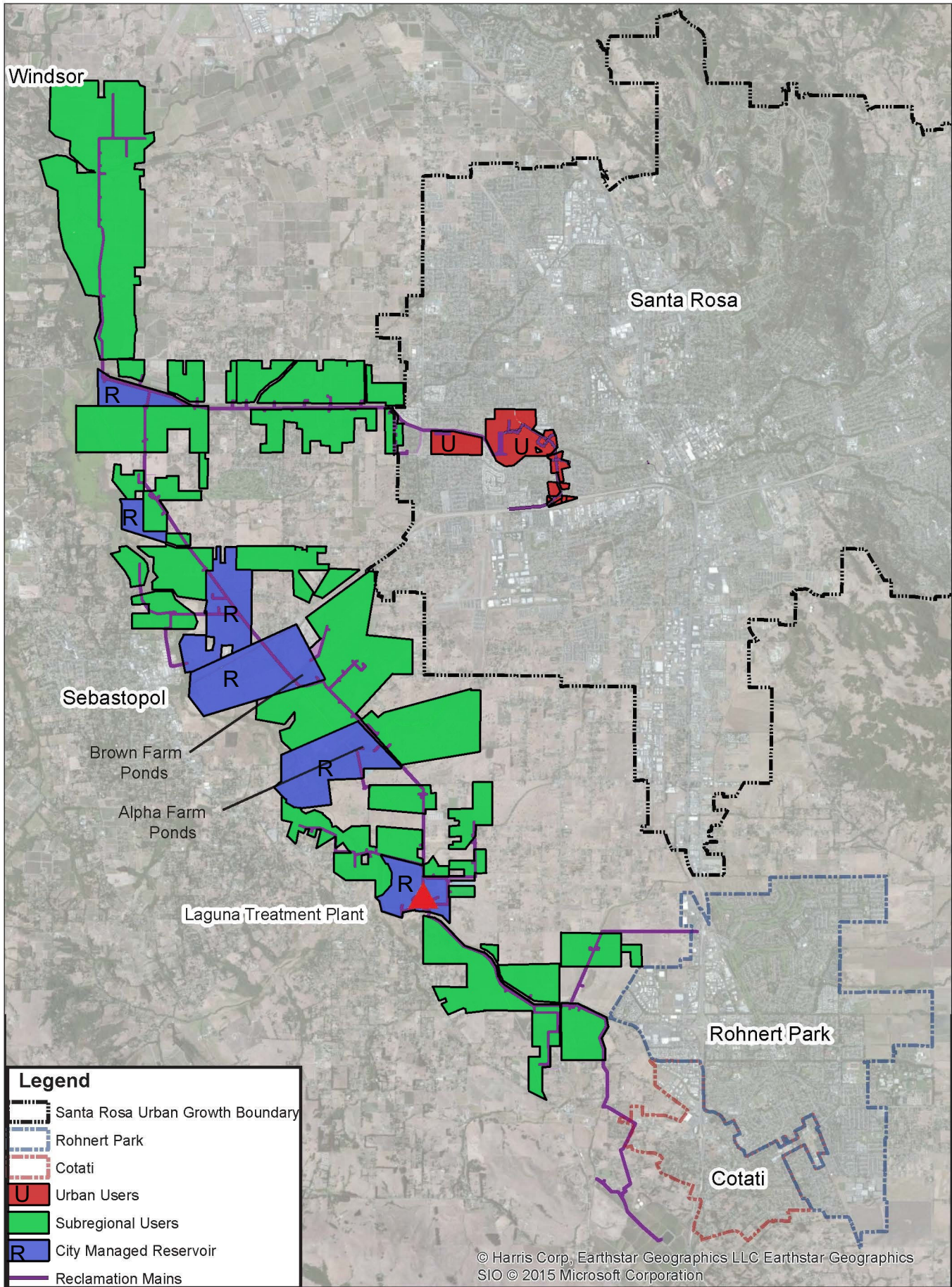


D:\Projects\TP 9 General\Reclamation flow Schematic 3-24-20.dwg, 2/25/2020 12:54:47 PM, Plot Style: SW Acad.ctb, 2020.dtb

City of Santa Rosa <b>REUSE</b> <b>FLOW SCHEMATIC</b>	PAGE 1
	DATE: 2-25-20
	DWN. J.Winterlin

**ATTACHMENT B-1**  
**LOCATION OF AGRICULTURAL AND URBAN**  
**RECYCLED WATER USER SITES**

# Attachment B-1: Location of Agricultural and Urban Recycled Water User Sites



**ATTACHMENT B-2**

**LOCATION OF GEYSERS RECHARGE PROJECT**

# Attachment B-2: Location of Geysers Recharge Project

