

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

**MONITORING AND REPORTING PROGRAM**

**ORDER No. R1-2020-0031**

**for the**

**WINDSOR WATER DISTRICT**

**RECYCLED WATER PROGRAM**

**WDID NO. 1B20091RSON**

**SONOMA COUNTY**

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Monitoring And Reporting Program (MRP)  
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**MONITORING AND REPORTING PROGRAM (MRP)  
Order No. R1-2020-0031**

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 Windsor Water District on May 8, 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. R1-2020-0010, Waste Discharge Requirements (WDR) for the Windsor Water District Wastewater Treatment, Reclamation, and Disposal Facility, Sonoma County (NPDES No. CA0023345 and WDID No. 1B820370SON) and the MRPs associated with these orders.

The Windsor Water District 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 Windsor Water District (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 Windsor Water District will act as the Administrator of the Town'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 XX, 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 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.

## 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;
- c. Instruments are serviced by the manufacturer or authorized representative at the recommended frequency; and
- d. 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 REQUIREMENTS

### 2.1. Recycled Water Monitoring Location REC-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 E-1. Recycled Water Monitoring – Monitoring Location EFF-001**

<b>Distribution Point Name</b>	<b>Monitoring Location Name</b>	<b>Monitoring Location Description</b>
001	EFF-001	Tertiary treated, disinfected wastewater immediately following the UV disinfection process and before discharge to the Administrator's effluent storage ponds.
001	REC-001	Tertiary treated, disinfected recycled water following the UV disinfection process and before discharge to the Administrator's effluent storage ponds, from which discharges occur to the recycled water system.

**Table Notes**

1. Monitoring Locations EFF-001 and REC-001 are the same location, the sampling point immediately following the UV disinfection system. Different monitoring location names have been assigned due to differences in monitoring requirements at Monitoring Location EFF-001 and Monitoring Location REC-001 (during periods of discharge to the recycled water system).

**3. RECYCLED WATER MONITORING REQUIREMENTS**

**3.1. Recycled Water Monitoring Location REC-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. R1-2020-0010 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 REC-001 as follows:

**Table E-2. Recycled Water Monitoring Requirements – Monitoring Location REC-001**

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

**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, chloride, boron, and sodium 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.

#### 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. R1-2020-0010. 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 E-4.

**Table E-3. Storage Pond Monitoring Requirements**

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

##### 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 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 observations 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 the Administrator’s NOI. Use area monitoring shall include the following parameters:

**Table E-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	Monthly
Application Rate (hydraulic)	Inches/acre/year	Calculated	Monthly
Total Nitrogen Application Rate <sup>(7,8)</sup>	Lbs/acre/month	Calculated	Monthly
Soil Saturation/Ponding	---	Observation	Monthly
Runoff	---	Observation	Monthly
Nuisance Odors/Vectors	---	Observation	Monthly
Notification Signs <sup>(9)</sup>	---	Observation	Monthly

Parameter	Units	Sample Type	Minimum Sampling/ Observation Frequency <sup>(2)</sup>
Rainfall	Inches	Gage	Daily
ET <sub>o</sub> /ET <sub>c</sub> <sup>(10)</sup>	Inches	Gage/Calculation	Daily
Maximum Allowable Hydraulic Agronomic Rate <sup>(11)</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 Officer 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 REC-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.
10. 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 in a vineyard. The crop coefficient increases with canopy growth. The crop coefficient is calculated by applying a standard factor of 0.017 to the percent shade at solar noon. Percent shade at solar noon is a function of row spacing, vine spacing, and the width of measured shaded area between two vines at solar noon. For example, if row spacing (A) is 8 feet and vine spacing (B) is 6 feet, the area per vine (C) is 48 square feet. If the width of measured shaded area between two vines at solar noon (D) is 2.4 feet, the percent shaded area is B times D divided by C or 6 times 2.4 divided by 48 which equals 0.3 or 30 percent. The crop coefficient is 0.017 times 30 which equals 0.51.
11. Maximum allowable hydraulic agronomic rate is the lower of 75% of ETc (calculated monthly and summed for the entire irrigation season) or 9 inches per year distributed over the March through October growing season.

**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 E-5. Cross-Connection and Backflow Monitoring Requirements**

Parameter	Sampling Frequency	Required Frequency
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
<p><u>Table Notes</u></p> <p>1. The District shall ensure that the dual plumbed recycled water system (indoor and outdoor) is inspected for possible cross connection with the potable water system.</p> <p>2. Testing 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.</p> <p>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.</p> <p>4. Backflow prevention device testing and maintenance shall be conducted by a qualified person as described in title 17, section 7605.</p>		

## 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 March 1st 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. All monitoring results for Total Coliform Bacteria and Turbidity pursuant to the Recycling Monitoring Requirements established in Section VII of Monitoring and Reporting Program for WDR Order No. R1-2020-0010.
- 6.2.4. A summary table of all recycled water users, date and term of recycled water user agreements, and use areas. 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.
- 6.2.5. 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
- 6.2.6. 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. R1-2020-0010 and a detailed description of any corrective or preventative actions taken.
- 6.2.8. 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.

- 6.2.9. 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.
- 6.2.10. 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.
- 6.2.11. The name, title, and 24-hour contact information for the recycled water operator responsible for operation, maintenance, and system monitoring.
- 6.2.12. 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 Order No. R1-2020-0010 (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. Tertiary Recycled Water <sup>1</sup>**

- 6.4.1.1. 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 discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures.
- 6.4.1.2. 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. The Administrator shall provide a copy of the revised Agricultural Recycled Water User Agreement, and updates to the Town's Recycle Water Design and Construction Standard to DDW and North Coast RWQCB upon completion.
- 6.5.2. 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.

#### **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 will 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

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<sup>1</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.

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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

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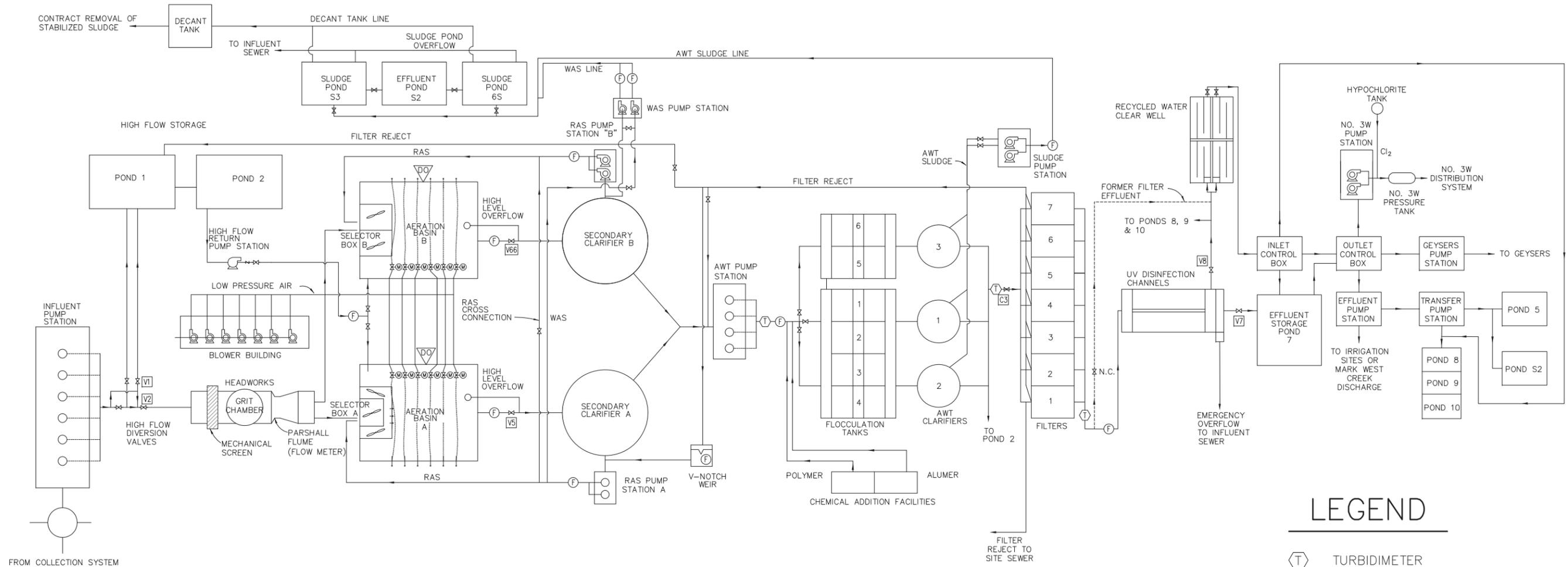
**ATTACHMENT A-1**

**TOWN OF WINDSOR WRF SCHEMATIC PLAN**

TAB: Layout1

gong \248\dwg\248 05 P&ID\WRF schematic - 2000.dwg

MARCH, 2020



### LEGEND

- TURBIDIMETER
- FLOW METER
- DISSOLVED OXYGEN METER
- ACTUATED VALVE
- MOTOR ACTUATED AIR VALVE
- MANUAL VALVE
- N.C. NORMALLY CLOSED

# TOWN OF WINDSOR WRF PROCESS MONITORING AND CONTROL

SCHMATIC PLAN

MARCH 2020

Monitoring And Reporting Program (MRP)  
Order No. R1-2020-0031

**ATTACHMENT B-1**

**TOWN OF WINDSOR WATER RECLAMATION USE AREAS**

# ENGINEERING REPORT

## TOWN OF WINDSOR WATER RECLAMATION SYSTEM

### WATER RECLAMATION USE AREAS

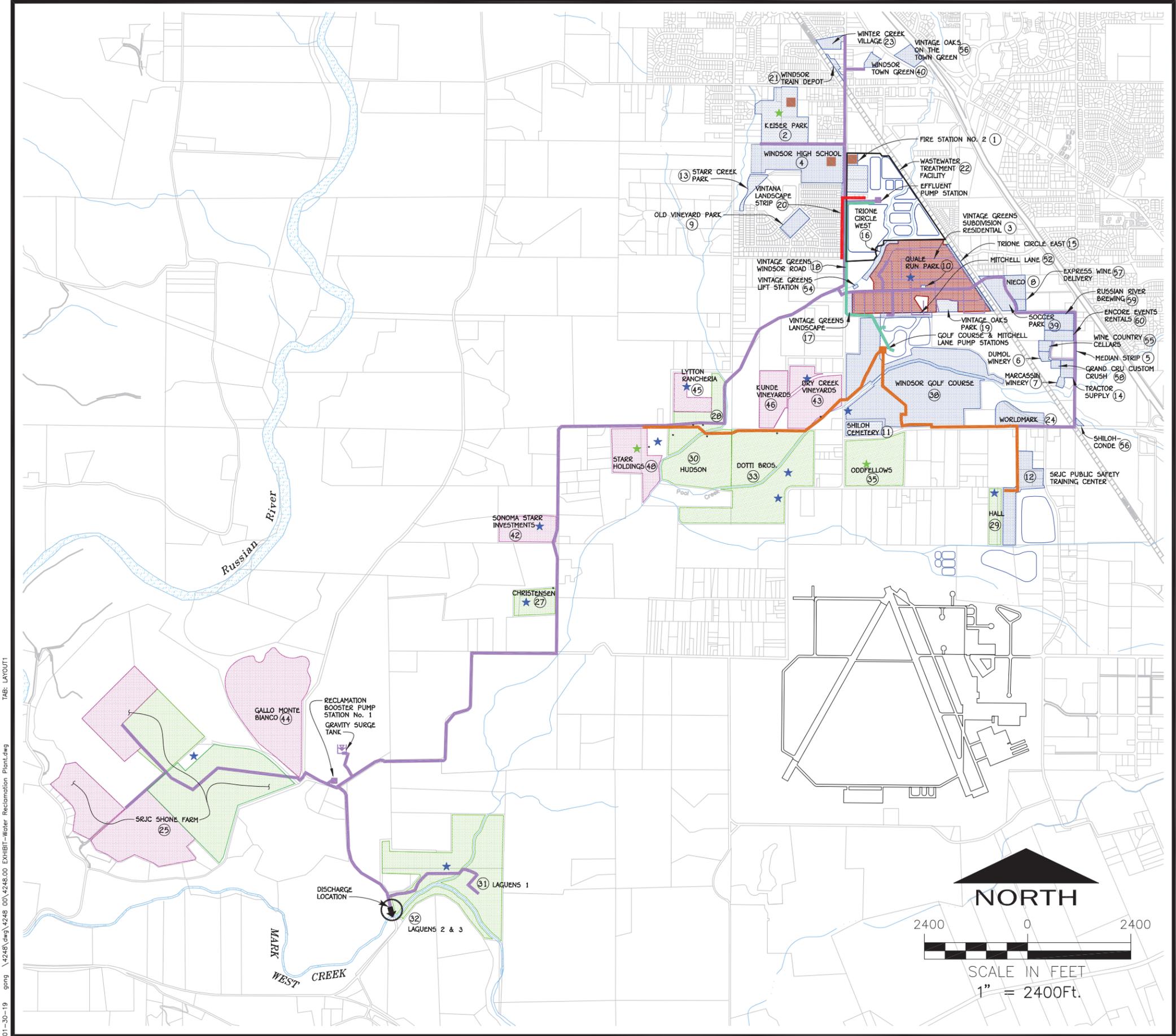
MARCH 2012  
(REVISED JANUARY 2019)

**Brelje & Race**  
CONSULTING CIVIL ENGINEERS

### LEGEND

- DISTRIBUTION SYSTEMS**
- EFFLUENT PUMP STATION & MAINS
  - MITCHELL LANE PUMP STATION & MAINS
  - TRANSFER MAIN
  - GEYSERS TRANSFER MAIN
- WELLS**
- Domestic Well
  - Irrigation Well
- RECYCLE WATER USE AREAS**
- PASTURE, FODDER, OTHER CROPS
  - VINEYARD
  - COMMERCIAL AND INSTITUTIONAL LANDSCAPING AND TURF
  - DUAL PLUMBED RESIDENTIAL IRRIGATION
  - DUAL PLUMBED BUILDINGS
  - REFER TO TABLE 6 FOR DETAILS

Notes: The hatched areas of this figure represent the parcels that are irrigated with reclaimed water, not the actual irrigated areas. Setbacks from wells, creeks, trees, vernal pools, etc. are maintained as described in the report. The locations of the wells are approximate.



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Figure 3