



Dublin San Ramon
Services District
Water, wastewater, recycled water

2025 Regulatory Update

**Board of Directors Meeting
November 04, 2025**

Dan Gill, Operations Director
Kristy Fournier, Deputy Director of Operations - Regulatory

Agenda

- Regulatory overview
- Discussion on new or upcoming regulations related to:
 - Drinking Water
 - Wastewater
 - Recycled Water



Regulations Overview

Drinking Water

- Federal Regulations: Safe Drinking Water Act (SDWA)
 - National Primary Drinking Water Regulations (NPDWR)
 - Regulates >90 Contaminants
 - Disinfection by-Product Rule (Stage 1&2)
 - Ground Water Rule
 - Lead and Copper Rule and Lead and Copper Rule Improvements
 - Revised Total Coliform Rule
 - Surface Water Treatment Rule
 - Unregulated Contaminant Monitoring Rule
 - National Secondary Drinking Water Regulations (NSDWR)
- State Regulations: California Safe Drinking Water Act
 - Title 22 and Title 17 of the California Code of Regulations
 - California Health and Safety Code

Wastewater

- Federal Regulations: Clean Water Act
 - Pretreatment Program
 - Biosolids
- State Regulations:
 - NPDES Permits
 - Statewide General Discharge Requirements
 - Title 23 of the California Code of Regulations

Recycled Water

- State Regulations: California Safe Drinking Water Act
 - Title 22 Uniform Statewide Recycling Criteria
 - Recycled Water Policy



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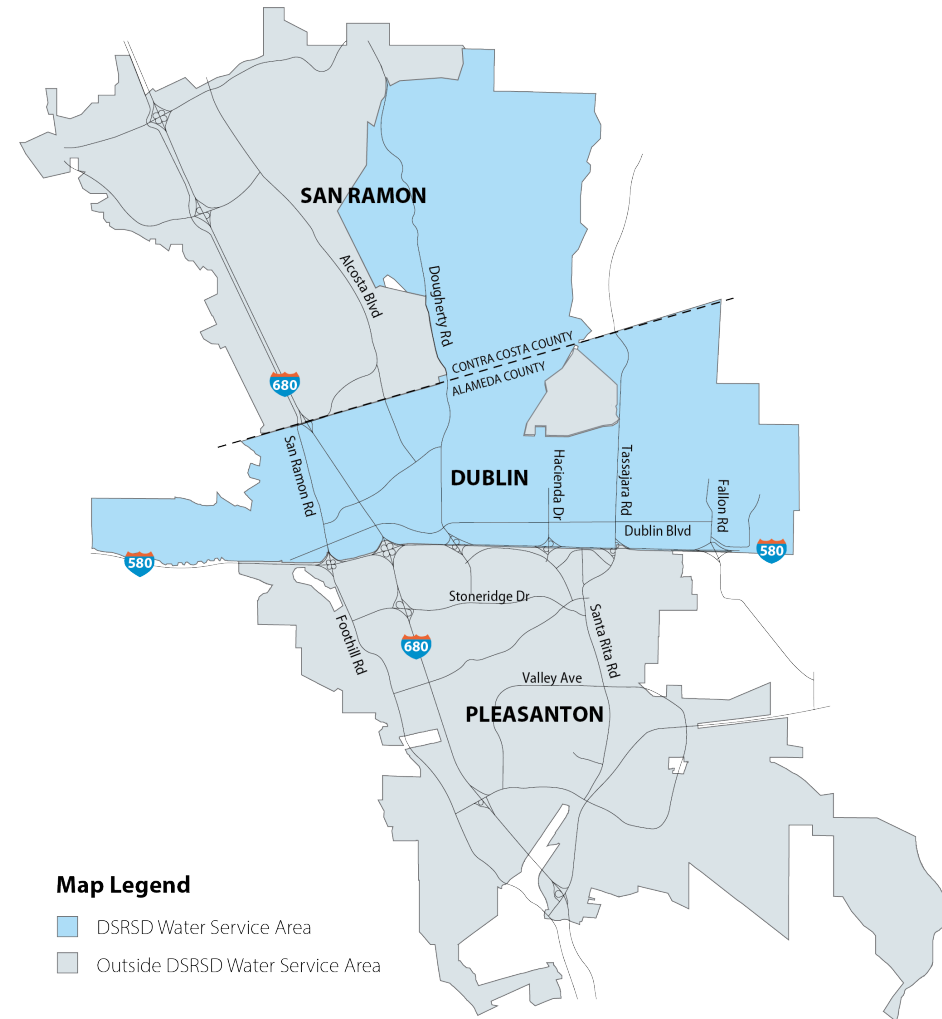
Drinking Water



DSRSD Water Service

Water

- Water purchased from Zone 7 Water Agency
- 8.5 million gallons per day (MGD)
- 27,000 connections, approximately 100,000 people
- 17 pumping plants, 14 reservoirs
- 9 pressure zones and 343 miles of pipe

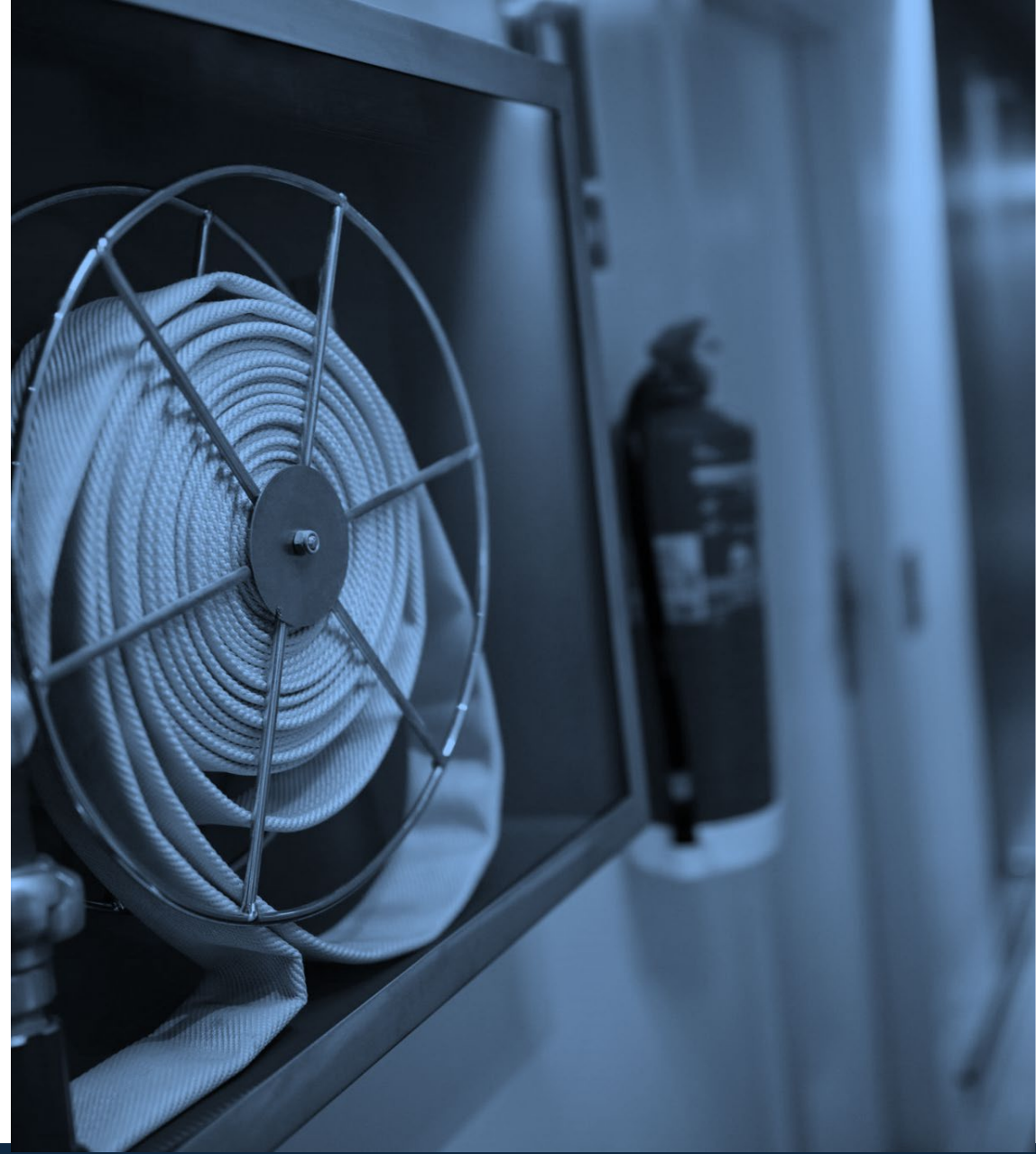


Cross Connection Control Management Plan

- The Cross Connection Control Policy Handbook (CCCCMP) was developed to enhance Public Health.
- Effective July 1, 2024
- September 1, 2025, the District submitted the Cross Connection Control Management Plan

New Requirement: Residential Focus

- DSRSD has more than 6,500 residential fire systems without backflow devices.
- These systems may be exempt if considered low hazard
- District submitted a plan to use Automated Metering Infrastructure (AMI) to monitor residential backflow





New District Permit Requirement

- The District collaborated with the City of Dublin and Alameda County Fire Department to require new residential developments and tenant improvements that involve plumbing to install passive purge systems.
- Passive purge systems will lessen the hazard for distribution system contamination from backflow

Lead and Copper Rule

- Established in June 1991 by the U.S.EPA under the Safe Drinking Water Act
- Treatment technique:
 - Copper: 10% of samples must not be above the action level for Copper at 1,300 ppb
 - Lead: 10% of samples must not be above the action level for lead at 15 ppb



Lead and Copper Rule: Compliance



Corrosion Control

- Corrosion control study
- Method of control: surface water pH adjustment



Dublin San Ramon Services District

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Monitoring

- Triennial sampling
- Collected by customers to monitor corrosive effects of water on plumbing

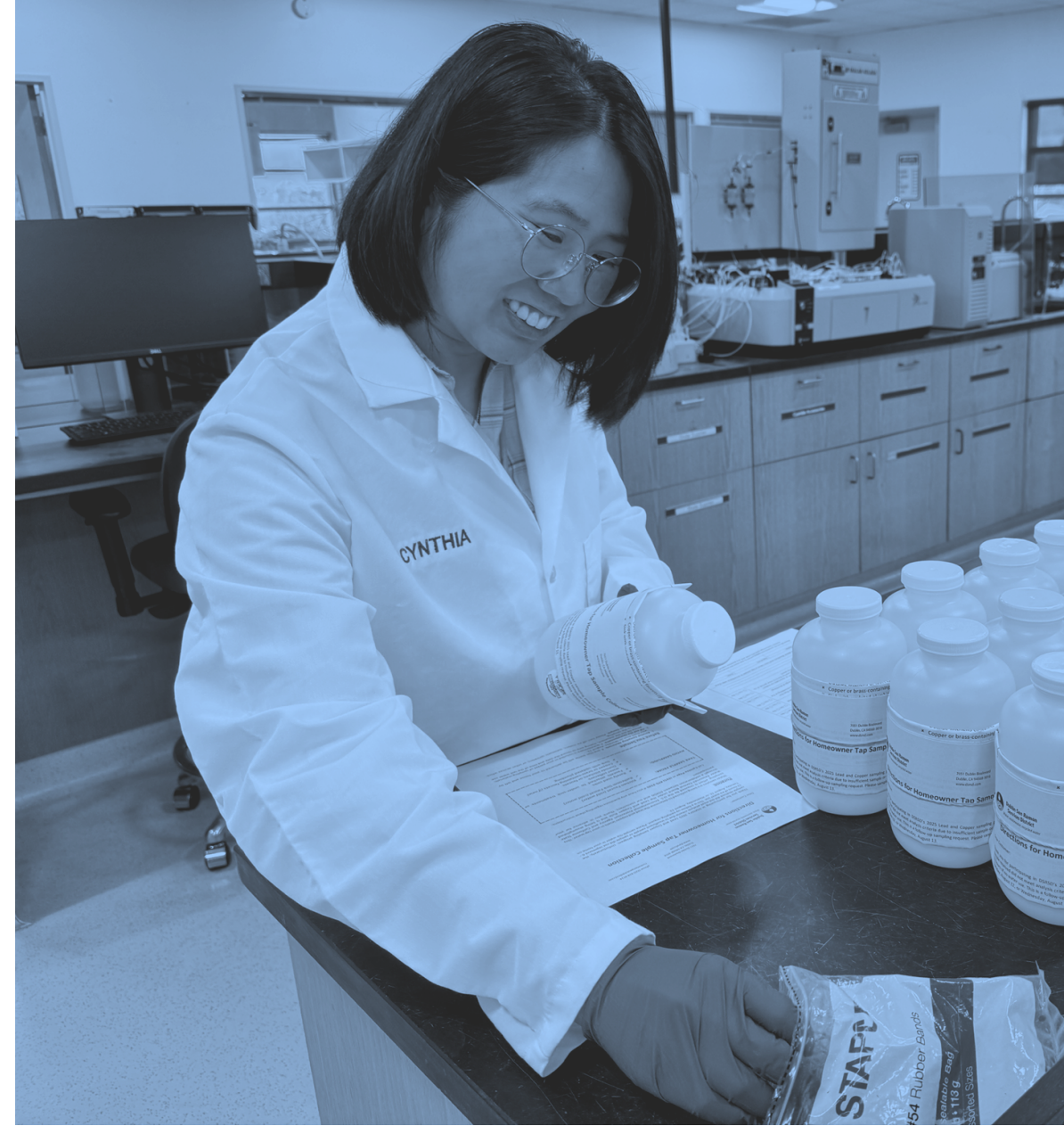
Public Education

- Public Notification
- Participant letters
- Annual Water Quality Reports



Lead and Copper 2025 Monitoring

- Improved letter, instructions, and survey
- 30 samples required
- All samples tested were below the action levels for lead and copper



Lead and Copper Rule: Next Steps

- Population increase triggers an increase of the number of required samples
- To meet the requirement DSRSD staff will:
 - Survey houses in the DSRSD service area that meet the Lead and Copper criteria
 - Engage customers to educate them about the program and gauge their interest



Lead and Copper Rule Improvements

- On October 30th, 2024 the U.S. EPA published the final Lead and Copper Rule Improvements (LCRI)
- LCRI places additional compliance requirements for DSRSD in the following areas:
 - By October 2024
 - Requires an initial service line inventory ✓
 - Enhanced public notification if water system exceeds action level for lead ✓
 - By October 2027
 - Baseline service line and connector inventory
 - Lowers the action level for lead from 15 ppb to 10 ppb
 - Elementary and childcare facility sampling starting

Per and Polyfluoroalkyl Substances (PFAS)



[DTSC SAFER Program: Factsheet on PFASs in Consumer Products: Key Points for Decision Makers](#)

PFAS: Federal Efforts

- Communications from the Federal Administration on upholding PFOA and PFOS MCLs
- Extending compliance period
- Awaiting a proposed rule on changes

PFAS	Final MCL (ng/L)
Perfluorooctanoic acid (PFOA)	4.0
Perfluorooctanesulfonic acid (PFOS)	4.0
Perfluorononanoic acid (PFNA)	10
Perfluorohexanesulfonic acid (PFHxS)	10
Perfluorobutanesulfonic acid (PFBS)	10
Hexafluoropropylene oxide dimer acid (HFPO-DA -Gen X Chemicals)	10
Mixtures containing two or more of PFHxS, PFNA, HFPO-DA and PFBS	1 (unitless) Hazard Index

PFAS California Division of Drinking Water

- California issued health advisory levels for PFHxA and revised health advisory levels for 3 other PFAS on October 29, 2025

Abbreviation	Chemical name	Notification Level ng/L (ppt)	Response Level ng/L (ppt)	Date Issued/Status
PFOA	Perfluorooctonic acid	4	10	October 29, 2025
PFOS	Perfluorooctane sulfonic acid	4	40	October 29, 2025
PFBS	Perfluorobutane sulfonic acid	500	5,000	March 5, 2021
PFHxS	Perfluorohexane sulfonic acid	3	10	October 29, 2025
PFHxA	Perfluorohexanoic acid	1,000	10,000	October 29, 2025
PFHpA	Perfluoroheptanoic acid	none	none	Requested

PFAS Zone 7 Water Agency Response

- Mocho Well Field
 - Ion Exchange (Initial Study)
 - Expected costs: \$35-\$50 million
- Stoneridge
 - Ion Exchange (Completed)
 - \$16 million
- Chain of Lakes Well Field
 - Ion Exchange (Completed)
 - \$24 million



PFAS Legislative Efforts

- DSRSD wrote letters in support of the following legislative efforts:
 - AB 682: Ban on PFAS in selected consumer products.
 - Vetoed by Governor Newsom.
 - HR 1267: Water Systems PFAS Liability Protection Act. Introduced
 - Progress delayed due to federal government shutdown



Hexavalent Chromium

- On October 1, 2024 the California Water Resource Control Board's MCL for hexavalent chromium at 10 ppb became effective.
- Some of Zone 7 Water Agency's ground water sources have hexavalent chromium present.
- Blending with sources with lower levels of hexavalent chromium and technology used to treat PFAS at the Chain of Lakes facility has been effective in treating for hexavalent chromium
- DSRSD will continue to notify customers as required



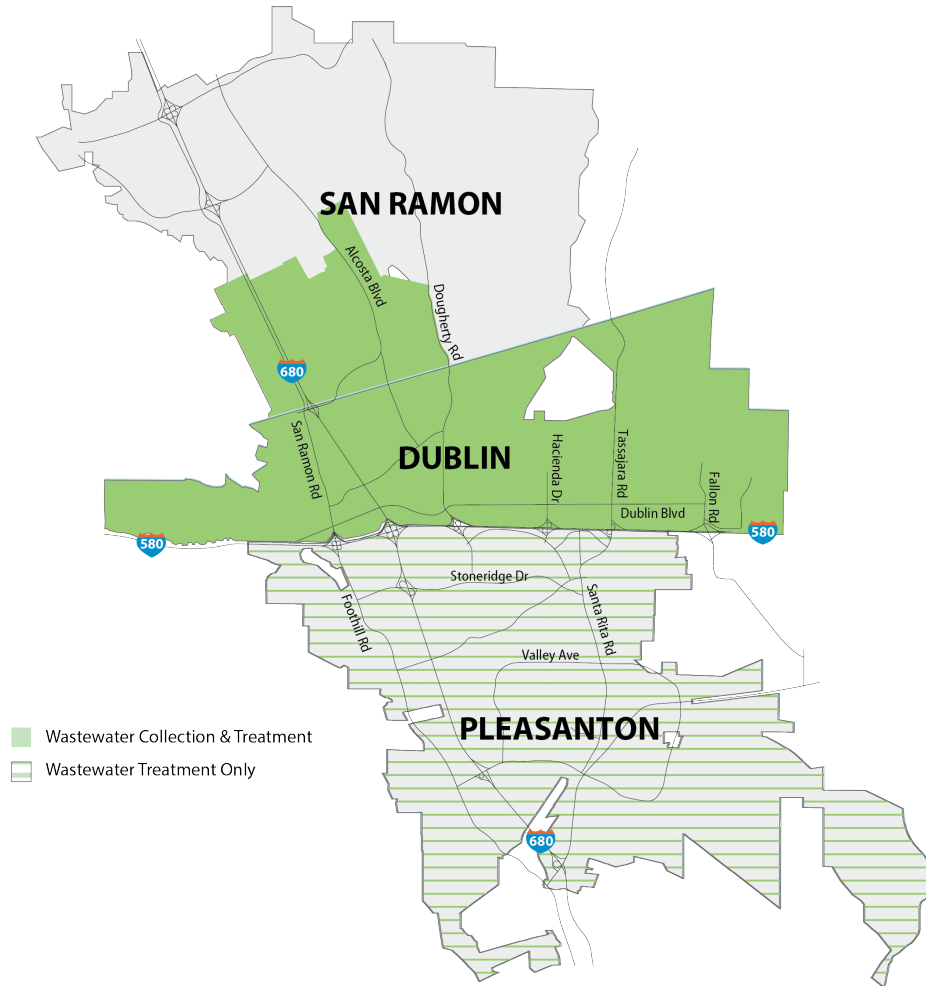
Wastewater



DSRSD Wastewater Service

Wastewater

- 233 miles of sewer mains
- 1 lift station
- For 168,000 residents in the cities of Dublin and San Ramon and
- Wastewater Treatment to the City of Pleasanton by contract
- 12.7 MGD Average wastewater treated (CY 2024)



Wastewater: Nutrient Permit

- Adopted July 2024, effective October 2024
- Municipal wastewater agencies must reduce Total Inorganic Nitrogen loads to the San Francisco Bay as relative to 2022 discharges by 40% by 2034

Worried about the fish-killing red tide returning to Lake Merritt? Here's a way to help

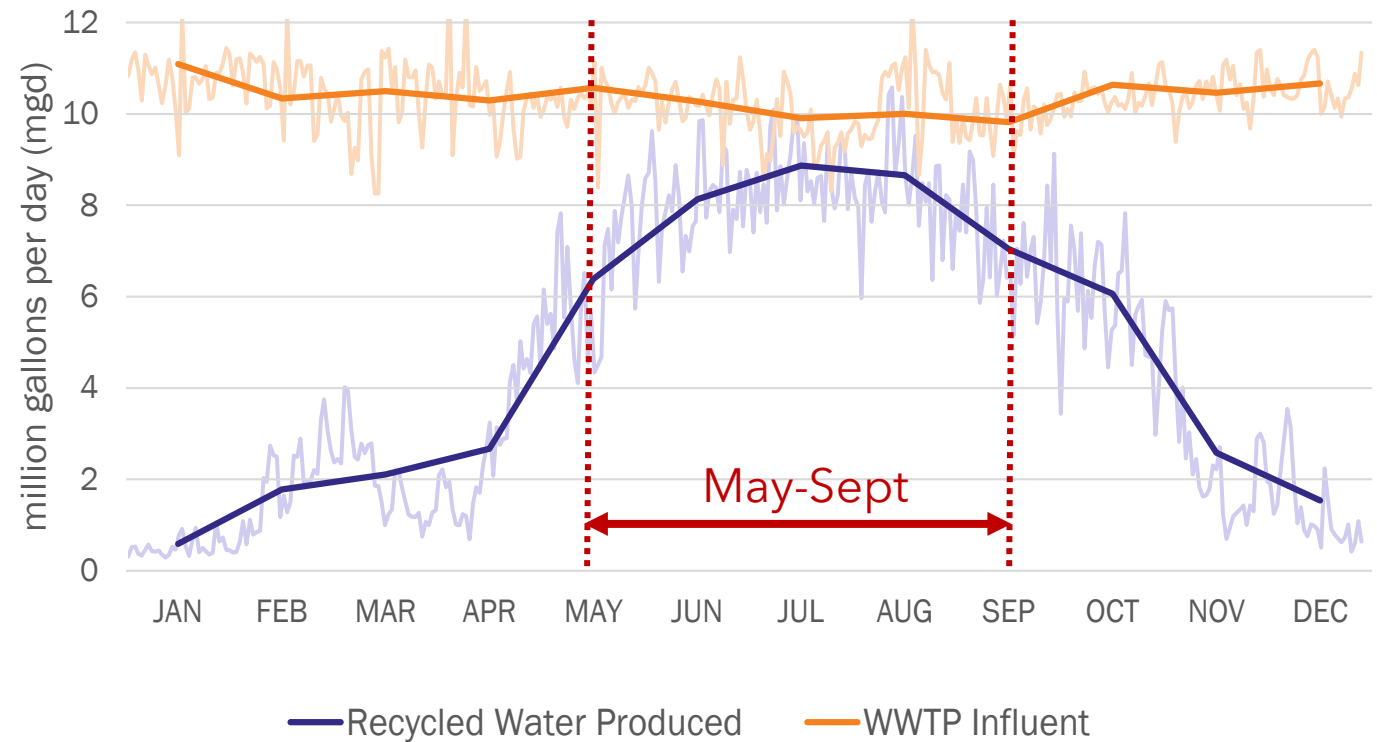
State wildlife officials want the public's observations of marine creatures during the harmful algae bloom.

by **Darwin BondGraham**
Aug. 3, 2023, 12:00 p.m.

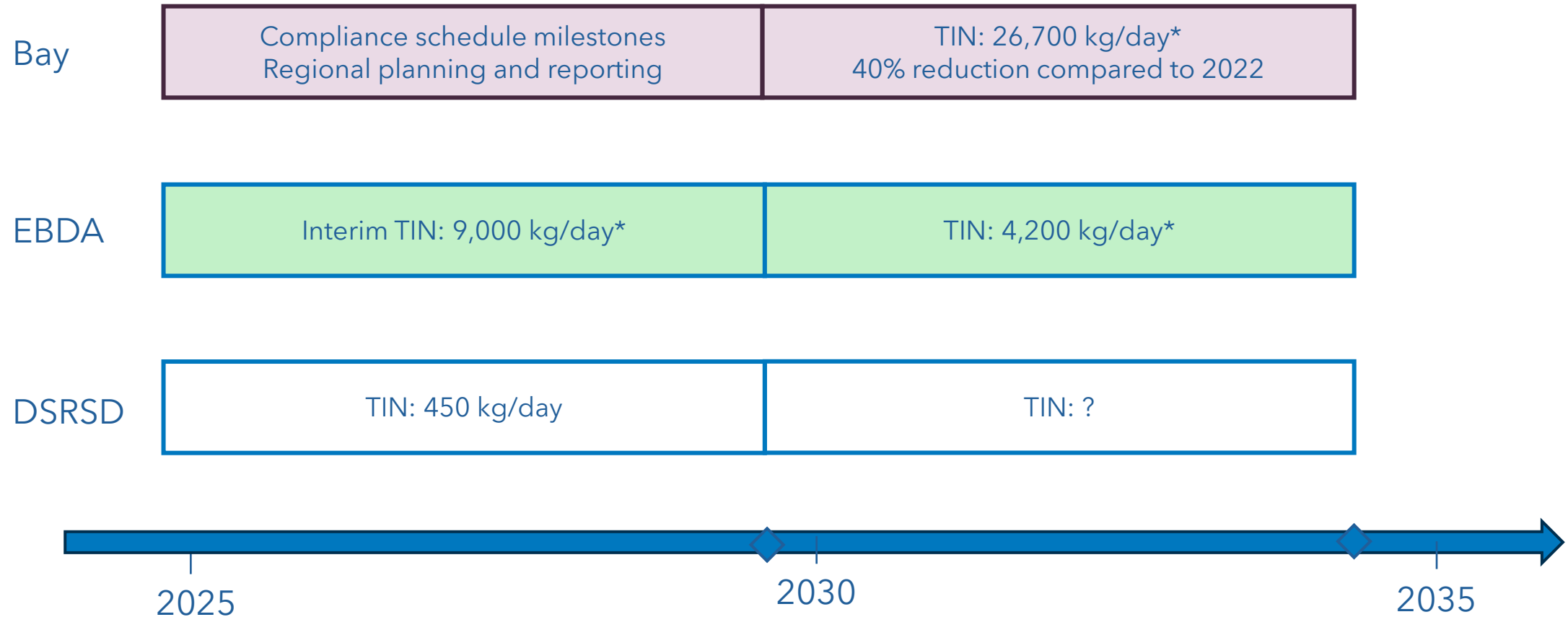


DSRSD is positioned to comply with nutrient discharge limits through water recycling.

- Seasonal demand for recycled water coincides with dry season.
- DSRSD already reuses most of its wastewater in summer months (removes up to 80% of nitrogen in dry season).



Nutrient Watershed Permit Requirements



*TIN values based on May through September seasonal average.



Central San Longterm Supply Agreement

- Execute agreement in 2026
- Wastewater diverted to DSRSD collection system during peak irrigation season
- Operated in accordance with agreed upon Guiding Principles



Photo: San Ramon Pumping Station



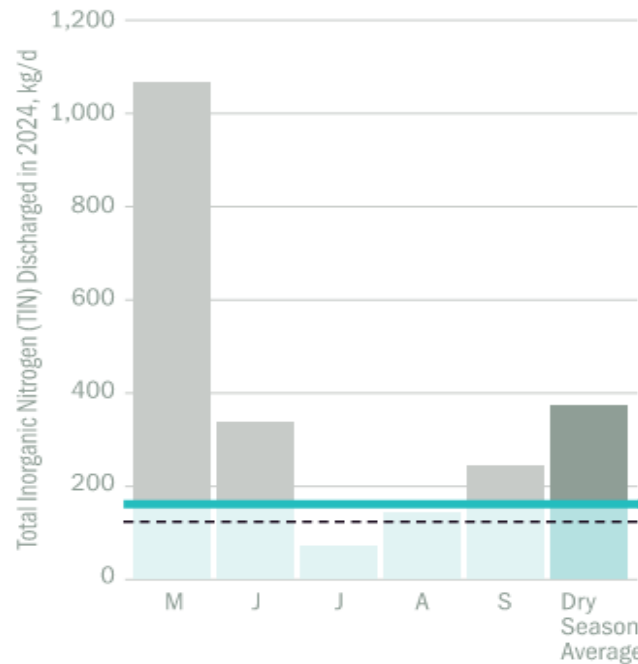
Additional Options

- Plant optimization
- Conventional treatment methods



Future conditions may trigger alternate pathways.

DSRSD's current TIN discharge



Level needed for compliance*

— Third watershed permit (40% reduction Baywide)

- - Future limit (60% reduction Baywide)

* Assumes DSRSD's share of EBDA's allocation is based on 2022 discharge flows

Paths to compliance and considerations

PATH 1: RECYCLED WATER

Expand deliveries to reduce average dry season effluent discharge to <1 mgd (assuming 40 mg/L TIN).

PATH 2: TREATMENT UPGRADES

To reduce TIN to permissible levels, requires nitrification and denitrification (at least in the dry season).

PATH 3: NUTRIENT TRADING

Purchase nutrient "credits" from another Bay discharger.





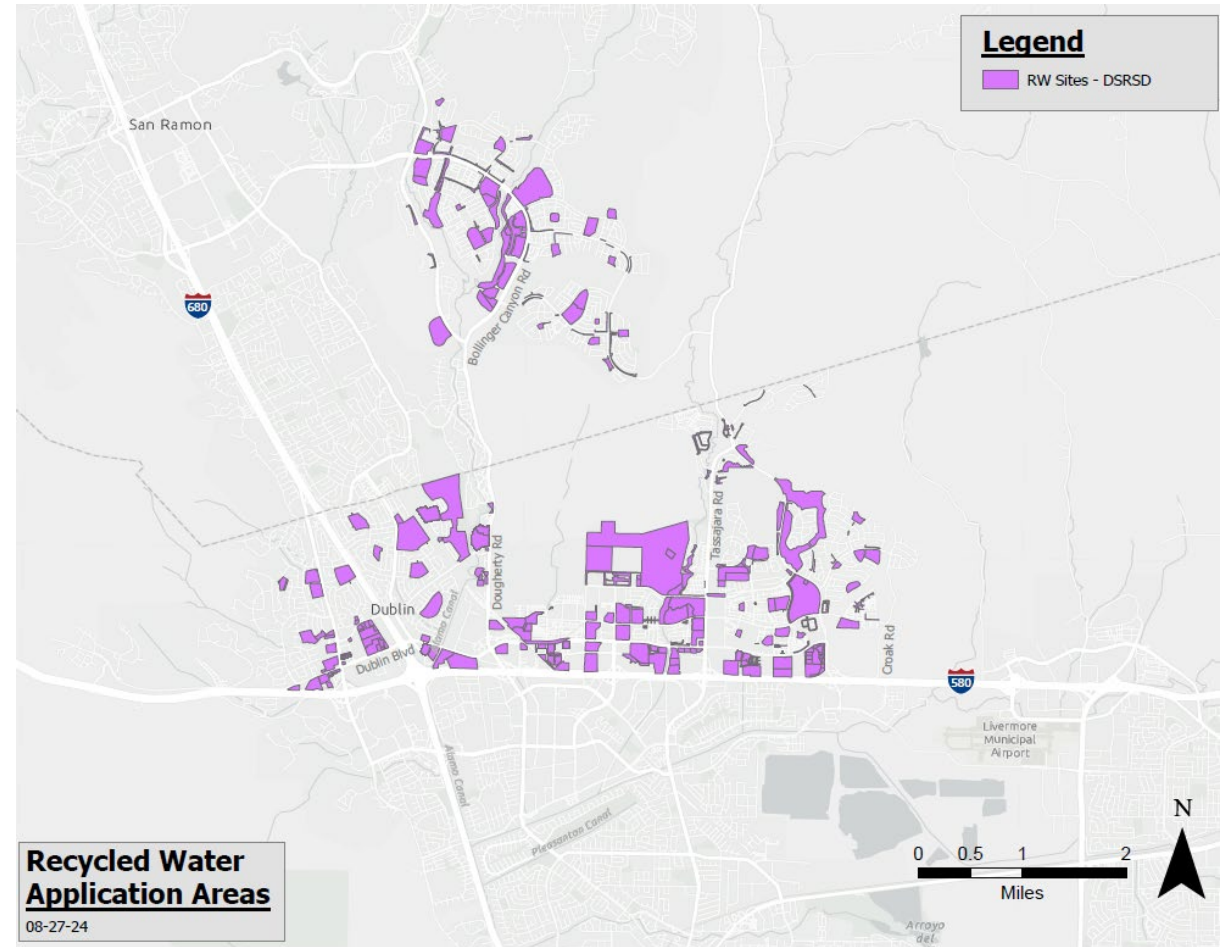
Recycled Water



DSRSD Recycled Water Service Areas

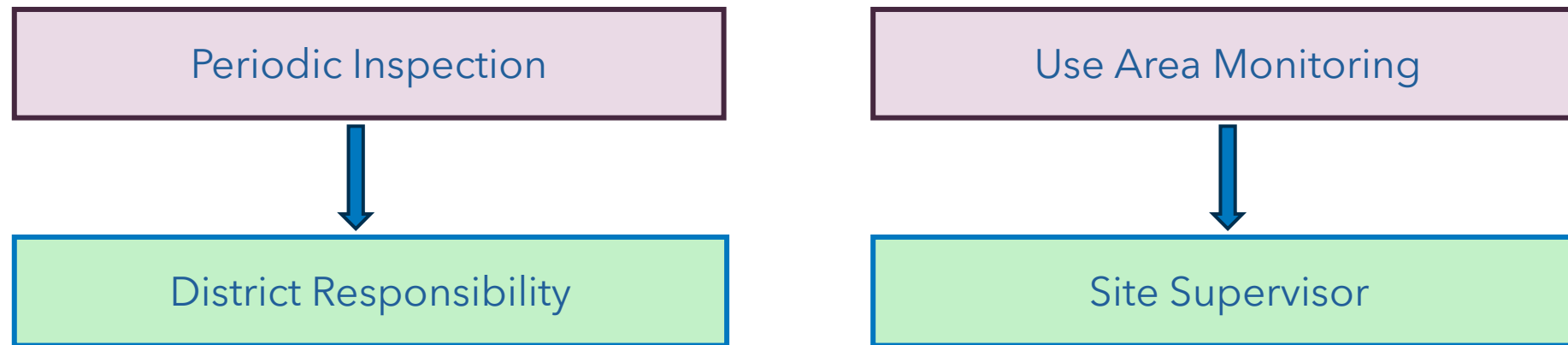
Recycled Water

- Serves DSRSD, EBMUD and City of Pleasanton irrigation customers
- 471 connections
- 889 million gallons system demand (FY2025)



Recycled Water Inspection Program

- Purpose: To prevent health hazards, maintain potable water quality standards, and support sustainability



Summary

Drinking Water

- Cross Connection Control
 - Residential customers may be exempt (AMI is our back-up plan)
 - Passive purge requirement for new residential construction and remodels
- National Primary Drinking Water Regulations and California Regulations
 - Funding is available to prepare for new Lead and Copper Rule Improvement regulations
 - Continue to partner with other agencies to prepare for new and upcoming regulations
 - Continue to advocate for legislation that aligns with DSRSD interests

Wastewater

- Recycled water system expansion to meet nutrient reduction requirements
- Planning efforts underway for traditional nutrient reduction technologies
- Explore nutrient trading with large agencies

Recycled Water

- Recycled water inspection program refresh



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Questions?

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