

# 2020 Compliance Update

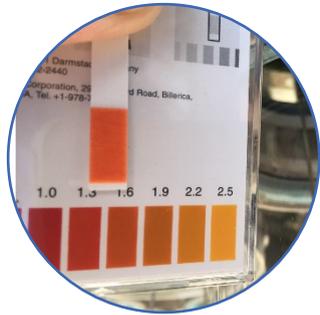
March 18, 2021

**Board of Public Utilities Meeting**

Presented by Heather Johnson  
Environmental Services Officer



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Measure



Document



Identify



Report



Implement



# Santa Rosa Water - Roadmap to Compliance

# Overview

- **Applicable Rules, Regulations, Permit Requirements and 2020 Non-Compliance Events:**
  - Wastewater Treatment and Recycled Water
  - Air Quality and Emissions
  - Biosolids Land Application
- **Emerging Regulatory Issues and Opportunities**

# NPDES Permit and Recycled Water Notice of Applicability

- NPDES Discharge Permit
- Recycled Water – Notice of Applicability



## 2020 Non-Compliance Summary

# Wastewater Treatment and Recycled Water

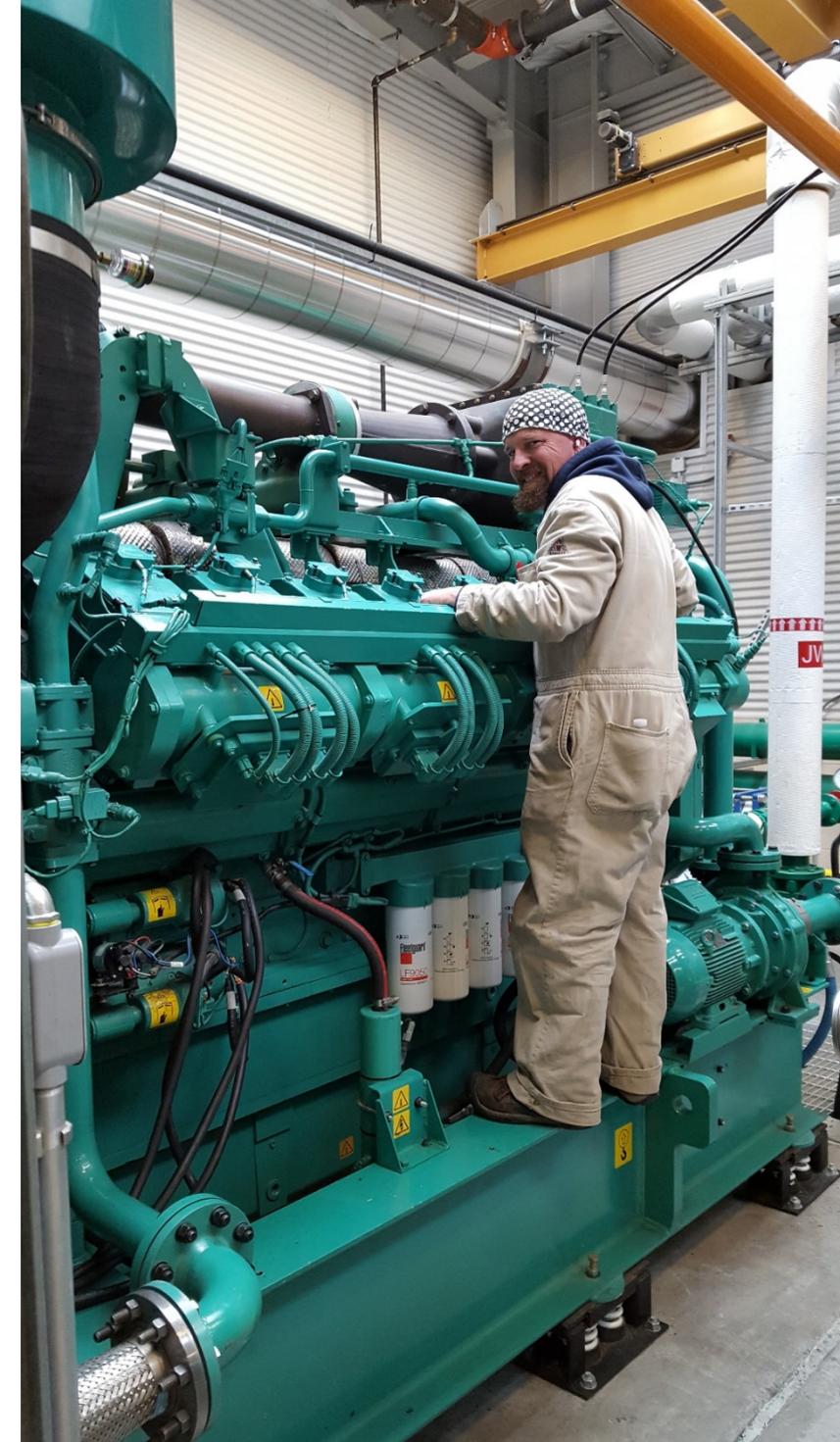
Non-compliant Events	Description	Cause
Monitoring	Missed monitoring for Total Coliform, Chloride, Total Suspended Solids, Biochemical Oxygen Demand, on-line turbidity	Various reasons including equipment malfunction, staff errors, and COVID-19 reduced staffing levels.
Reclamation System	Incidental runoff	Leaking valves, over-irrigation, and pipeline breaks.
Ultra-Violet Disinfection	3 minutes and 38 sec and 21,000 gallons	Electronic connection in the communication board not properly seated.



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# Title V Air Quality Permit and Permit to Operate

- Title V Air Permit for Major Sources
- Permit to Operate



# Air Quality and Emissions

## 2020 Non-Compliance Summary

Non-compliant Events	Description	Cause
Engine Firing Rate	Annual Monitoring on Combined Heat and Power Engine 4 exceeded the engine firing rate limitation in June and November	Suspected engine firing rate exceedance due to reduced biogas production from digesters in 2020.



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## Biosolids

- Land Application – Notice of Applicability
- (no non-compliance events in 2020)



- Laguna de Santa Rosa Nutrient TMDL
- Regional Salt and Nutrient Monitoring
- Engineering Evaluation of Discharge Outfalls
- Recycled Water Pond Pathogen Monitoring
- PFAS Monitoring

## Emerging Regulatory Issues and Opportunities

Questions?

Thank you.



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