

# Environmental Services Annual Compliance Report

*2017 Summary*

March 15, 2018

**Board of Public Utilities Meeting**

Presented by Rita Miller  
Deputy Director of Environmental Services



OUR FUTURE IN EVERY DRÖP

# *Santa Rosa Water*

## *Protecting public health, water, land & air*

- *Meet local, state & federal rules, regulations, permit requirements*
- *Foster public trust thru transparency*
- *Integrate best use of resources*



OUR FUTURE IN EVERY DRÖP

# Overview

- *Applicable Rules, Regs & Permit Requirements*
- *2017 Excursion Summary*
- *Emerging Regulatory Issues, Opportunities*

**Sanitary Sewer Collection System**

**Wastewater Treatment/Discharge**

**Air Quality/Emissions**

**Hazardous Materials/Waste Management**

# Sanitary Sewer Collection System

## Applicable Rules & Regulations:

- Statewide General Permit for Sanitary Sewer Systems  
Santa Rosa Sanitary Sewer Management Program:
  - Eliminate SSOs
  - Maintain & improve condition of collection system
  - Minimize infiltration/inflow into the system & provide adequate capacity

## 2017 Excursion Summary:

Non-Compliant Events	Description	Impact
8 Sanitary Sewer Overflows	Each SSO met Category 3: <999 gallons, Did not enter a waterway, or All flow retrieved. (Category 3 = Lowest impact.)	Total Combined Volume = 2,318 gallons

# Wastewater Treatment/Discharge

## Applicable Rules & Regulations:

- LTP NPDES Discharge Permit & Water Reclamation Requirements
- California Code of Regulations: Title 22 Recycled Water Criteria
- State Water Board General Order for Biosolids

## 2017 Excursion Summary:

Non-compliant Events	Description	Cause
9 Periods of Underdisinfection: UV Dosage <100 mJ/cm <sup>2</sup>	Duration from 3 -15 minutes, Total Duration=70 minutes	Maintenance Issues (3), Power Outages (1), Programming Issues (3), Filter Effluent Turbidity (1), Unstable Power during Fire (1)
1 Period of No Disinfection	1 hour duration	Unstable Power during Fire
Discharge Outside Discharge Season (Prohibited between: May 15-Sept 30)	Leakage from Delta Pond into Santa Rosa Creek observed on June 30, 2017	Leaks from Butterfly Valve, Slip-lined Transition from prior to current discharge system & magnetic flow meter

# Air Quality/Emissions

## **Applicable Rules & Regulations:**

- LTP Title V Air Quality Permit
- California Air Resources Board (Portable Equipment)
- Bay Area Air Quality Management District: Rules & Regulations
  - Permits to Operate

# Air Quality/Emissions cont.

## 2017 Excursion Summaries:

### Title V Air Quality Permit

Requirement	Description	Non-Compliant Events	Impact
Abatement of Digester Gas	Combustion by CHP Engines to Abate Gas	Unabated Release: 3/15/2017, 4 hr/44 min	NOV issued, \$4,000 Fine
		Unabated Release: 8/09/2017, 2 hr/45 min	NOV issued, Fine \$ TBD

### Brown Farm–Aboveground Gasoline Tank, Permit to Operate

Requirement	Description	Non-Compliant Events	Impact
Permit to Operate (PTO)	Annual Source Testing required for renewal	Operation with expired PTO. (No 2016 annual source testing - conducted in 2017)	NOV issued, \$1,500 proposed Fine.

# Hazardous Materials & Waste Management

## Applicable Rules & Regulations:

- CA Dept. of Toxic Substances Control/Certified Unified Program Agency (CUPA)  
(re: Hazardous Materials Storage & Hazardous Waste Generation/Disposal)

## 2017 Excursion Summary:

Requirement	Description	Non-Compliant Events	Impact
Annual Certification Required for Monitoring of Equipment	Underground Fuel Storage Tank	Annual certification not timely performed. (due in October)	NOV issued on 11/27/2017.



# Emerging Regulatory Issues/Opportunities

- Permit Renewals: LTP NPDES Permit, Title V Air Permit
- Russian River Pathogen TMDL
- Laguna de Santa Rosa Nutrient TMDL
- Transition to State General Order for Recycled Water Use
- Contaminants of Emerging Concern

# Questions?

# Thank you.



OUR FUTURE IN EVERY DRÖP