



# City of Beaumont



Sewer System Management Plan (SSMP) Board Presentation  
Feb 28, 2023

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3. Conclusions



# 1. Background



SSMP Board Presentation (2/28/2023)

## Thank You City Team Members:

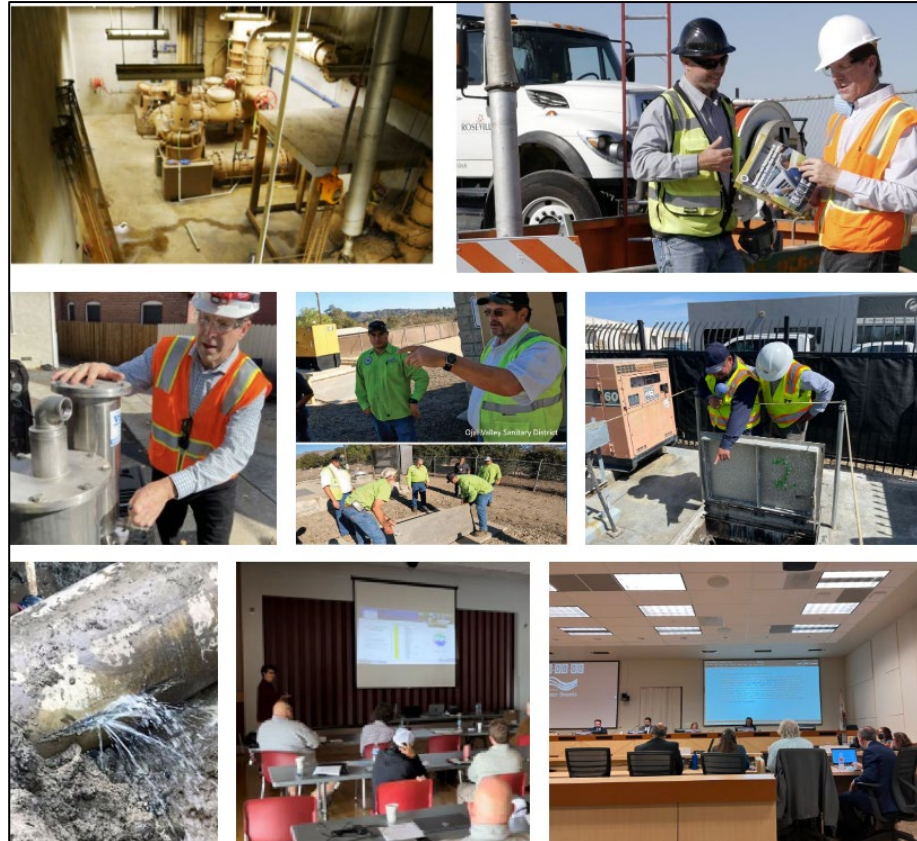
1. Thaxton VanBelle, SSMP Project Manager
2. Laurie Miller/Sunshine Sanchez, SSMP Project Facilitators
3. Jack Huntsman, SSMP Source Control/Ordinances
4. Kevin Lee, SSMP/Operations
5. Jerome Moledor, SSMP/Operations





# 1. Background

- About Fischer Compliance LLC



FISCHER COMPLIANCE, LLC is a professional water and wastewater regulatory compliance consulting company, delivering high quality compliance consulting services to public municipalities.

- 30+ years regulatory compliance experience
- 12+ years California lead for Sanitary Sewer Systems Waste Discharge Requirements (SSS WDRs)
- Clean Water Act Inspector – U.S. EPA
- Subject matter expert in wastewater collection systems and California Water Board Enforcement Policy

# 1. Background

- About the State/Regional Water Boards





# 1. Background

- About the State/Regional Water Boards



**OUR MISSION:** To preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use, for the benefit of present and future generations.

# 1. Background



SSMP Board Presentation (2/28/2023)

- About the Water Board Order

## State Water Resources Control Board Order No. 2006-0003-DWQ

- *“Statewide General Waste Discharge Requirements for Sanitary Sewer Systems”*

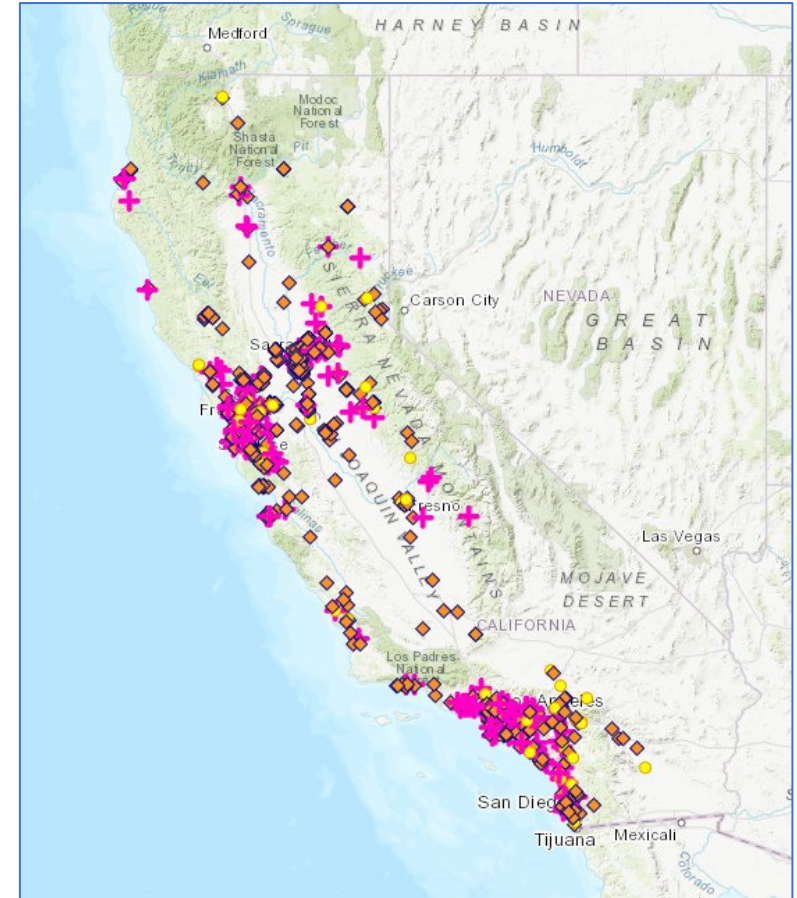


# 1. Background

- About the Water Board Order (2006-003-DWQ)

## Why was the Order issued?

- Major causes of Spills include:
  - Grease Blockages; Root Blockages; Debris Blockages
  - Sewer Line Flood Damage
  - Manhole Structure Failures
  - Vandalism
  - Contractor Caused damage
  - Pump Station Mechanical Failures, Power Outages
  - Excessive Storm or Ground Water (I&I)
  - Lack of Proper Operation & Maintenance
  - Insufficient Capacity

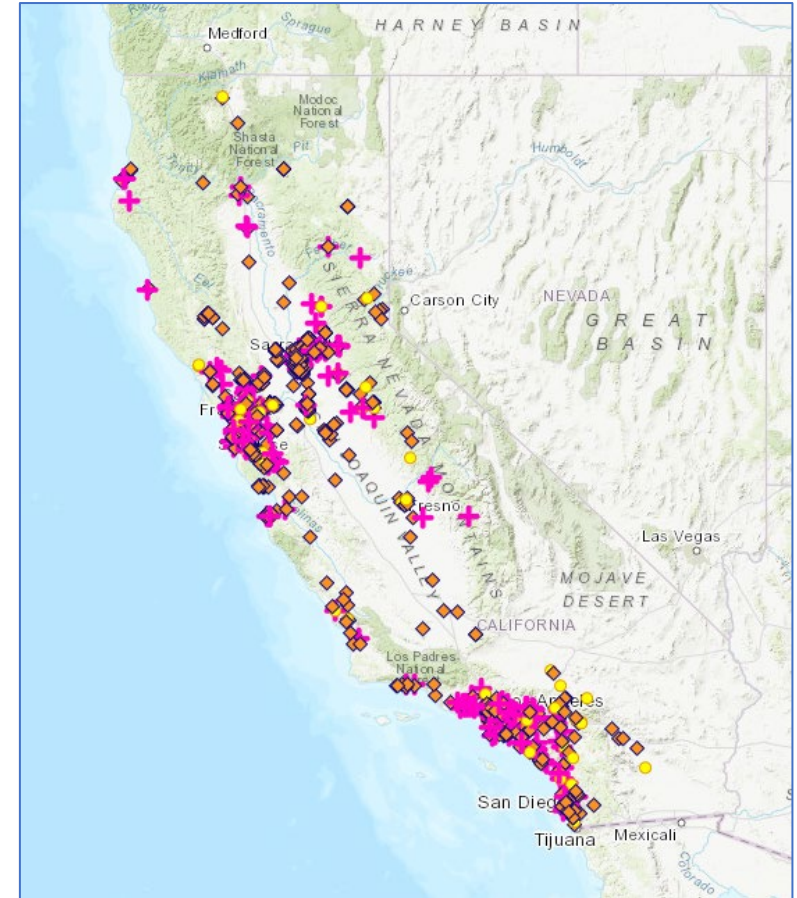




# 1. Background

- About the Water Board Order (2006-003-DWQ)

- ✓ Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state.
- ✓ Sanitary Sewer Overflows (SSOs) often contain suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil, grease and other pollutants.
- ✓ SSOs may cause a public nuisance, threaten public health, adversely affect aquatic life and impair the recreational use and aesthetic enjoyment of surface waters



# 1. Background

- About the Water Board Order (2006-003-DWQ)

## What is the Sewer System Management Plan (SSMP)?

- A **system-specific plan** for the **proper and efficient management, operation and maintenance of sanitary sewer systems** that takes into consideration **risk management** and **cost benefit analysis**.
- It must contain a **spill response plan** that establishes standard procedures for immediate response to an SSO in a manner designed to **minimize water quality impacts and potential nuisance conditions**



- *“Statewide General Waste Discharge Requirements for Sanitary Sewer Systems”*



# 1. Background

- About the Water Board Order (Large Enforcement Case)

## Administrative Civil Liability Complaint No. R6V-2016-0042 Issued to City of Victorville for Series of Sanitary Sewer Overflow Events, San Bernardino County

On July 1, 2016, the Water Board Prosecution Team issued Administrative Civil Liability Complaint No. R6V-2016-0042 (Complaint) to the City of Victorville (City) in response to alleged violations associated with six sanitary sewer overflow events and City sewer collection system planning, operations, and maintenance. The Water Board Prosecution Team and City subsequently entered into settlement negotiations, during which three additional sanitary sewer overflow events occurred. A proposed settlement order was subsequently prepared and issued for public comment.

Show More



- *“Statewide General Waste Discharge Requirements for Sanitary Sewer Systems”*

# 1. Background

- About the City SSMP Project





# 1. Background

- About the City SSMP Project

1. Address past violations and enforcement action (2009/2010)

Santa Ana Regional Board Order No. **R8-2009-0068** resolving 8 separate sewage spills

- 8 individual spills (72,000 gallons spilled to surface waters)
- Failure to develop/implement comprehensive SSMP
- Penalty Assessed: \$99,000

# 1. Background

- About the City SSMP Project

1. Address past violations and enforcement action (2009/2010)

Santa Ana Regional Board Order No. **R8-2010-007** resolving 1 large sewage spill

- 402,700 gallons spilled to surface water/failure of Marshall Creek Lift Station
- Failure to develop SSMP/take proactive steps to prevent spills/implement comprehensive operations/maintenance plan
- Penalty Assessed: \$111,000



# 1. Background

- About the City SSMP Project

2. Perform Gap Analysis

- a. Review the required elements of the SSMP
- b. Review City of Beaumont's sewer collection system programs, activities & performance
- c. Identify actions and activities required to achieve compliance
- d. Memorialize in a report (will serve as audit report)

# 1. Background



SSMP Board Presentation (2/28/2023)

- About the City SSMP Project

3. Develop First City Sewer System Management Plan (SSMP)

- a. Meet or exceed regulatory requirements
- b. Develop Key Performance Indicators (KPI's) to measure effectiveness
- c. Provide Orientation to staff

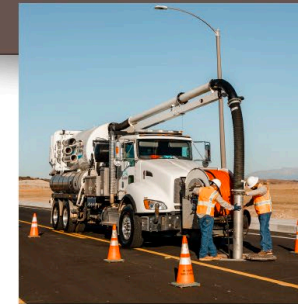


# 2. Findings

- New City SSMP (Dec 2022)



2022



## SEWER SYSTEM MANAGEMENT PLAN



PREPARED BY:  **FISCHER<sup>LLC</sup>  
COMPLIANCE**  
PRACTICES THAT COMPLY



## 2. Findings

- Implementation of SSMP still deficient
- Insufficient pipe Rehabilitation and Repair Program
- Substantial future investments in equipment and procedures needed



### SEWER SYSTEM MANAGEMENT PLAN (SSMP)

#### 4.9 Pipe Repair Program

The objective of the pipe repair program is to address issues that could potentially cause blockages and/or spills in a timely manner. The City uses an on-call service agreement with contractors to perform repairs on an emergency basis.

#### 4.10 Prioritization Program

##### 4.10.1 Requirement

Develop a rehabilitation and replacement plan to identify and prioritize system deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency. The program should include regular visual and TV inspections of manholes and sewer pipes, and a system for ranking the condition of sewer pipes and scheduling rehabilitation. Rehabilitation and replacement should focus on sewer pipes that are at risk of collapse or prone to more frequent blockages due to pipe defects. Finally, the rehabilitation and replacement plan should include a capital improvement plan that addresses proper management and protection of the infrastructure assets. The plan shall include a time schedule for implementing the short and long-term plans plus a schedule for developing the funds needed for the capital improvement plan.

##### 4.10.2 Responsible Person

Public Works Director

##### 4.10.3 Compliance

The City's 2021 Master Plan has identified Capital Improvement projects and has a plan and schedule in place.

The City's 2021 Master Plan developed a Rehabilitation and Replacement for lift stations.

The City currently does not have a Rehabilitation and Replacement Program in place to address gravity pipes and manholes. The City does not routinely inspect CCTV pipes and is not able to perform condition assessment.

# 3. Conclusions

- Conclusions

- ✓ The City SSMP document fully complies with WDR Provision D.11.
- ✓ Full implementation of the City SSMP is still lacking in some areas.
- ✓ City wastewater team continues to improve SSMP implementation and address compliance gaps.



# 3. Conclusions

- Conclusions

- ✓ **2022 “Reissued” WDR Requirements (Order No. 2022-0103-DWQ):**
  - ✓ Re-Enrollment, due between 4/5/23 to 6/4/23
  - ✓ Submittal of Legally Responsible Official information, due 6/4/23



# 3. Conclusions

- Conclusions

- ✓ **2022 “Reissued” WDR Requirements (Order No. 2022-0103-DWQ):**
  - ✓ Update City SSMP/Emergency Response Plan, due 6/4/23
  - ✓ Upload City SSMP to State Water Board’s California Integrated Water Quality System (CIWQS), due 6/4/23



# Contact Information



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