

*California*

**Water Board**

Preserve, enhance, and restore the quality of California's water resources for the benefit of present and future generations.



# **Statewide Sanitary Sewer Overflow Reduction Program (SSO Program)**

**Jim Fischer, P.E., Russell Norman, P.E.**

Division of Water Quality / WDR Unit

State Water Resources Control Board

June 2, 2009

Board Meeting, Item# 7

# Overview

1. Background
2. Statewide Spill Data Summary
3. Compliance and Enforcement
4. SSO WDR Review and Update
5. Demo of New Sewage Spill Incident Maps

# Background

- State Board passed resolution in 2004 to reduce numbers/volume of SSOs
- Statewide SSO Program was adopted May 2, 2006; California is the first to comprehensively regulate and address sanitary sewer collection systems to reduce SSOs
- Enrollment required statewide by November, 2006 for any publicly-owned agencies with collection system piping greater than one mile in length
- Program allows maximum flexibility for regulated community with phased timelines for reporting Sewer System Management Plan (SSMP)
- Statewide SSO reporting became mandatory in all Water Board Regions by September 2, 2007

# SSO Spill Data Summary

Since CIWQS Inception (Jan 2, 2007):

- 12,576 SSO & PLSD Reports
- 36,806,360 gallons spilled
- 12,837,922 gallons recovered
- 27,846,301 gallons reached surface waters

## Infrastructure

- 13,871 miles pressure sewer
- 176,393 miles gravity sewer
- 17,732 miles of laterals (publicly-owned)

# SSO Spill Data Summary (contd.)

- 2,265 SSO & PLSD spills reached surface waters since program inception.
  - 75% of these spills were less than 1,000 gallons, only 2% were greater than 100,000 gallons.
- 92% of all spills in State are less than 1,000 gallons and account for only 4% of the volume spilled.
- 1.1% are greater than 50,000 gallons and account for 79% of the volume spilled.
- Urban areas have higher spill rates and volumes.
  - Regions 2, 4, 5S and 9 have the greatest number of spills.
  - Regions 2 and 9 have the highest volumes spilled.

# Current SSO Order Compliance

- SSO Program enrollment is currently 1,098.
- SSO Reporting compliance is 61% since program inception and 70% over the period of February 2008 to January 2009.
- Collection System Questionnaire compliance is 85%.
- SSMP Certification Compliance is 50%.

# Proposed SSO Program Compliance and Enforcement Activities

- **Enrollment for Coverage:** Applicable dischargers failing to enroll for coverage under the SSO General Order.
- **SSO Monthly Reporting:** Enrollees failing to report monthly SSOs or execute required monthly “No Spill Certifications.”
- **SSMP CIWQS Certification (Time Schedule):** Enrollees failing to Comply with the CIWQS certification for all SSMP elements.
- **Collection System Questionnaire:** Enrollees failing to Complete and annually update their Collection System Questionnaire.
- **SSMP Completeness:** Completeness of Individual SSMP Elements.
- **Reporting Accuracy:** Evaluating accuracy of Enrollee’s monthly reporting.
- **SSO Spill Enforcement:** Continue assisting Regional Water Board staff with spill enforcement actions and investigations

# 2009-2010 Statewide Compliance Goals

1. Enrollment for Coverage: current number unknown,
2. SSO Reporting (Current = 75%, Target +85%),
3. SSMP CIWQS Certification (Current = 50%, Target +75%),
4. Collection System Questionnaire (Current = 85%, Target +95%),
5. SSMP Completeness (Target to conduct 50 audits),
6. Reporting Accuracy (Target to conduct 50 audits),
7. SSO Spill Enforcement (Target +25%).

# CIWQS SSO Automated Email Tool

- Alerts collection system Legally Responsible Officials and Data Submitters of possible SSO Order violations.
- Expected to help further increase statewide compliance for spill reporting, no spill certifications, SSMP elements and collection system questionnaires.
- Targeted for release on June 22, 2009.

# SSO Order Review and Update

- Summary
  - Process to be publicly announced in June 2009.
  - Includes statewide public meetings in August 2009 to solicit input and comments.
  - Regional Boards and industry are encouraged to participate in the public meetings.
  - Individual meetings with industry, environmental groups are planned following public meetings.

# Sewage Spill Incident Maps

- Supports State Board's efforts in implementing California Water Code section 13193 making spill data available to public using GIS where possible.
- Extensive input: Regional Boards, SSO Users Group.
- Presents individual SSO and Private Lateral Sewage Discharge (PLSD) data submitted by enrollees into CIWQS.
- Assists with SSO data Q/A & Q/C.

# Sewage Spill Incident Maps (contd.)

- Allows Enrollees to individually search and investigate SSOs/PLSDs reported within their areas of responsibility.
- Public Rollout executed in May 2009.
- Project developed in-house leveraging existing technologies and resources.
- Jeff Kapellas, State Board GIS Unit, Developer.