Statewide Sanitary Sewer Overflow (SSO)
Reduction Program
Review and Update

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Overview

1. Program Goals

2. Background and History

3. Goals of Review and Update Process

4. Next Steps

5. Statewide Spill Data Summary

6. Statewide Implementation Activities

7. Program Contacts & Information

1. Program Goals

- Reduce Sanitary Sewer Overflows (SSOs) and the volume of sewage spilled statewide

- Protect public health, safety and the environment

- Timely notification for spill responders

2. Background and History

- Resolution No. **2004-0080** directed staff to develop statewide program to reduce SSOs

- Statewide SSO General Order **adopted May 2, 2006**

- Monitoring and Reporting Program (MRP) revised February 2008 to enhance early notification requirements

- Over 3 years experience implementing program

3. Goals of Review and Update Process

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1. Improve performance of statewide SSO Reduction Program

2. Improve existing SSO General Order

3. Accurately capture stakeholder experiences, suggestions and comments in a transparent manner to help shape future staff proposal
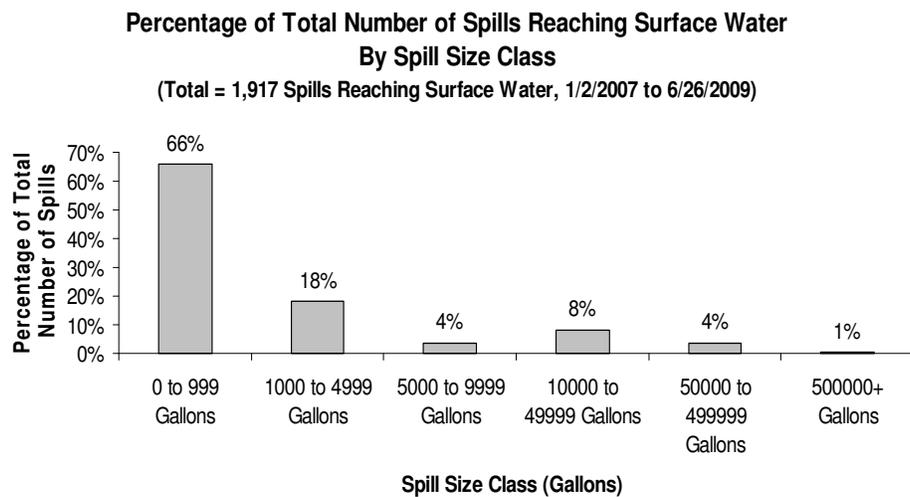
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4. Next Steps

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1. Comments solicited from public meetings will be compiled and posted on SSO website

2. Staff will meet with Regional Boards to solicit input and draft new Order (to be circulated for public comment est. 12/2009)

3. State Water Board will hold a public workshop on staff proposal (est. early 2010)

4. Final staff proposal will be presented to State Water Board for adoption (est. mid 2010)
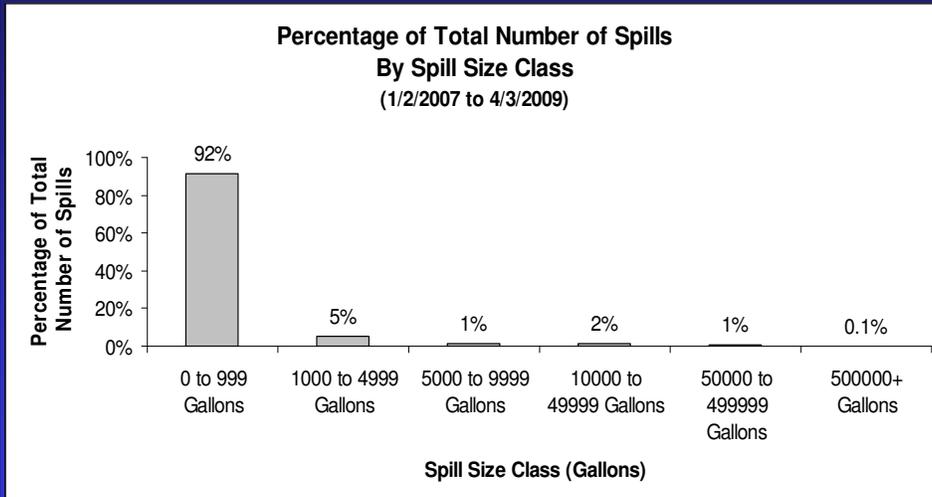
5. Statewide Spill Data Summary

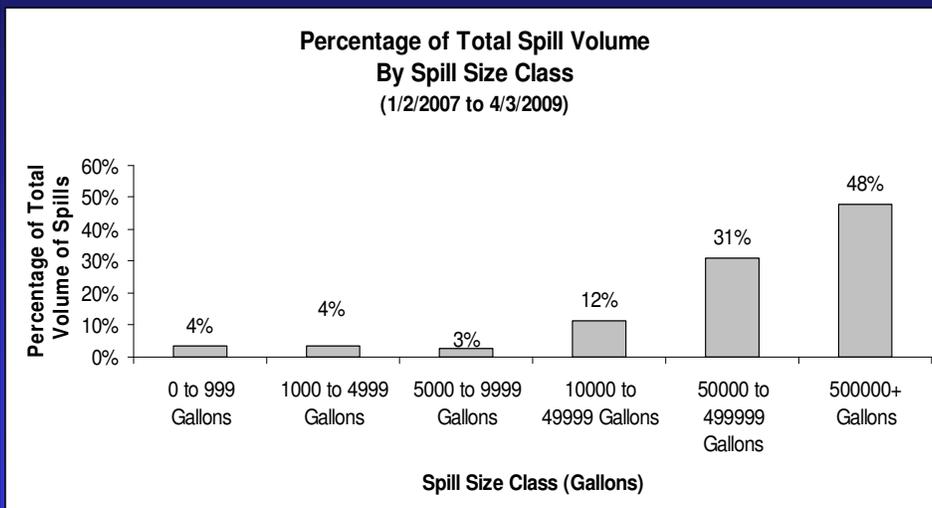# 1,917 SSO and PLSD spills reached surface waters since program inception

**Percentage of Total Number of Spills Reaching Surface Water
By Spill Size Class**
(Total = 1,917 Spills Reaching Surface Water, 1/2/2007 to 6/26/2009)

Bar chart — Percentage of Total Number of Spills (y-axis, 0% to 70%) by Spill Size Class (Gallons) (x-axis):
- 0 to 999 Gallons: 66%
- 1000 to 4999 Gallons: 18%
- 5000 to 9999 Gallons: 4%
- 10000 to 49999 Gallons: 8%
- 50000 to 499999 Gallons: 4%
- 500000+ Gallons: 1%

Spill Size Class (Gallons)

92% of all spills are less than 1,000 gallons and account for only 4% of volume spilled

Percentage of Total Number of Spills
By Spill Size Class
(1/2/2007 to 4/3/2009)

1.1% of spills are greater than 50,000 gallons and account for 79% of volume spilled

Percentage of Total Spill Volume
By Spill Size Class
(1/2/2007 to 4/3/2009)

Overall Program Performance

% Change - FY 2007/2008 to 2008/2009
Sum of Total Volume of SSOs (Gal.)
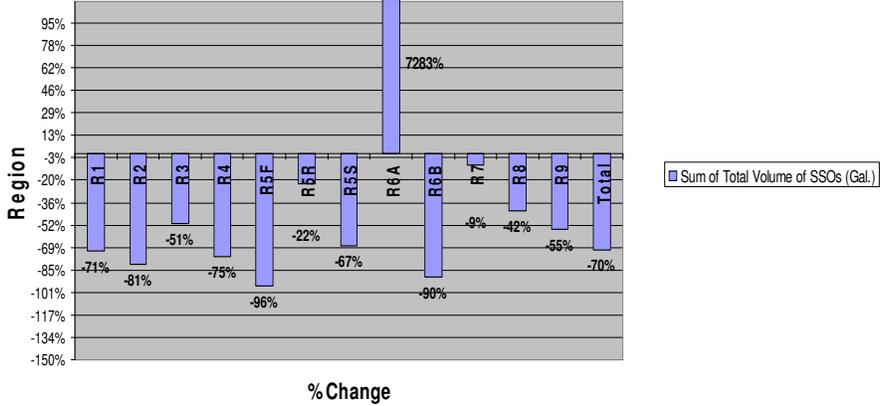
Spill Incident Maps

- Provides geospatial presentation of <u>certified</u> SSO and Private Lateral spills

- Helps Water Boards fulfill mandates to make sewage spill maps available to the public using GIS wherever possible

- Released to public May 2009 (version 1)

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Spill Incident Maps

6. Statewide Implementation Activities

Initial areas of implementation:

1. Enrollment for Coverage (~1,100 systems)
2. Online SSO Data System (California Integrated Water Quality System, CIWQS)
3. Outreach and Education

Current areas of implementation:

1. Compliance and Enforcement
2. Collection System Audits
   - targeted and random conducted with staff from Regional Water Boards

Appendix 4

**Statewide Sanitary Sewer Overflow
Reduction Program
Annual Compliance Report**

(avaliable for download on State Water Board SSO website)

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Target Areas for Compliance

- **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 required Collection System Questionnaire

- **SSMP Completeness:** completeness of individual SSMP elements

- **Reporting Accuracy:** evaluate accuracy of enrollee reporting

- **SSO Spill Enforcement:** assist Regional Water Boards with follow-up spill enforcement actions and investigations

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Statewide Compliance Summary

- CIWQS Monthly Reporting Compliance
  (Spill Reporting / No Spill Certifications)   ~ **61%**

- SSMP Certification Compliance ~ **50%**

- Collection System Questionnaire Compliance ~ **85%**

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Statewide Compliance and Enforcement Plan

- Discusses details of State and Regional Board work activities to help improve statewide compliance over next 12 months

- Public release 11/09 (est.)

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2009-2010 Compliance Goals

- SSO Reporting: current = 61% **target 85%**

- SSMP CIWQS Certification: current = 50% **target 75%**

- Collection System Question: current = 85% **target 95%**

- SSMP Completeness: **target 24 statewide audits**

- Reporting Accuracy**: target 24 statewide audits**

- SSO Spill Enforcement: **target increase by 25%**

Program Contacts & Information

Jim Fischer, P.E.
SSO Review and Update
Audits: northern California
916-341-5548
jfischer@waterboards.ca.gov

Russell Norman, P.E.
Data & SSO User Group
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916-323-5598
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SSO Main Website:
http://www.waterboards.ca.gov/water_issues/programs/sso/index.shtml

List Serve Sign-Up:
http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml

List of Questions

1. **SSO General Order Applicability and Enrollment**

   2:00-2:30pm

List of Questions

2. **Notification and Reporting Requirements**

   2:30-3:00pm

List of Questions

3. **Sewer System Management Plan (SSMP) Requirements**

   3:00-3:30pm

List of Questions

4. **Compliance**

   3:30-4:00pm

List of Questions

5. **Order Interpretation**

   4:00-4:30pm

List of Questions

6. **Other Issues**

   4:30-5:00pm

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List Serve Sign-Up:
http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml