Stormwater Management Plan (SWMP) Development Update
Advisory Water Commission
May 20, 2020
Presented by:
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SJ County Public Works Storm Water Program Manager
Stormwater Management Plan (SWMP)

Background

Regulated pursuant to the Region-Wide National Pollutant Discharge Elimination System Permit (NPDES), direct result of Clean Water Act of 1972

Core Objectives

1. Comply with federal regulations to eliminate or control, to the MEP, the discharge of pollutants from urban runoff that enter municipal separate storm sewer systems (MS4’s)
2. Identify and control Priority Water Quality Constituents of Concern (PWQC’s)
3. Achieve compliance with water quality standards
4. Develop a cost-effective program or develop alternative solutions where pollution prevention is not a practical solution

Jurisdictional Areas (Co-Permittee’s)

1. City of Stockton
2. Phase I urbanized areas of San Joaquin County
**Each step builds on the previous one**
Timeline – Region-wide Permit

Permittee Actions

- Submittal of NOI: 11-1-16
- Assessment & Prioritization: 5-30-17

Regional Board Actions

- Adoption of Region-wide Permit: 6-23-16
- Permit Effective: 10-1-16
- NOA: 11-30-16
- Comments on Assessment & prioritization: 7-2-18
- Revised Assessment & Prioritization: 10-2-18
- RAA: 7-2-19
- Comments on RAA: TBD
- SWMP Development (see next slide)
- Renewal of Region-wide Permit: 9-30-21
Timeline – Development of SWMP

Regional Board Actions

Adoption of Region-wide Permit: 6-23-16
Permit Effective: 10-1-16

Permittee Actions

Submission of NOI: 11-1-16
Assessment & Prioritization: 5-30-17
Revised Assessment & Prioritization: 10-2-18
Draft SWMP: 1-23-20
Draft REV SWMP: 4-13-20

Meet - SWMP: 3-3-20
Meet - Monitoring: 2-20-20
Presentation: 2-6-20
Presentation: 5-5-20

Internal Development/Review
Principles for SWMP Development

Builds on (as applicable)
- 2009 SWMP
- 2012 Report of Waste Discharge (ROWD)

Complies with Region-wide Permit
- Provisions V.E and Attachment J
- Incorporates Assessment and Prioritization
  - Focus is on the identified Priority Water Quality Constituents
- Incorporates Reasonable Assurance Analysis
  - Identification of milestones and attainment timelines
Historical Approach

- Stormwater Program Elements
- POC-Based Program Elements
- Monitoring Program
- Assessment of Program

New Approach

- Assessment of Program
- Prioritization
- Stormwater Program Elements w/POC Focus (FIB, MeHg, DO, Trash)
- Monitoring Program
SWMP Focuses on Priority Water Quality Constituents

Assessment and Prioritization

Category 1: PWQCs

- E. Coli, Fecal Coliform
- Dissolved Oxygen
- Methylmercury

Temporal Condition: Dry, Wet

Waterbody/Location:
- Five-Mile Slough, Lower Calaveras River, Mormon Slough, Mosher Slough, Smith Canal, Walker Slough
- Lower San Joaquin River (Stockton Deep Water Ship Channel)
- Delta Waterways
- Priority or other land uses

Also have:

Category 2 – Address with Monitoring/Special Studies
Category 3 – Lower Priority

PWQCs (Category 1) are Focus of SWMP
A. Draft SWMP

1. Introduction
2. Assessment/Prioritization
3. Reasonable Assur. Analysis
4. Approach for PWQCs
5. Monitoring
6. Reporting

PWQCs (Category 1) are Focus (FIB, MeHg, Trash, DO)

AND

B. 2020-2026 Work Plan

Detailed Activities

<table>
<thead>
<tr>
<th>Strategies and Activities</th>
<th>PWQC Addressed</th>
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<tbody>
<tr>
<td>Table of public outreach implementation</td>
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<tr>
<td>Update Website</td>
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<tr>
<td>Identify and/or Create, Revise, and Distribute Educational Materials</td>
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<td>Pet Waste Brochures/Mailings</td>
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<tr>
<td>Houseboat Brochures/Mailings</td>
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<tr>
<td>Proper Use, Application, and Disposal of Fertilizers</td>
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<td>Proper Disposal of Trash</td>
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<td>Participate in Community-Wide Programs and Events</td>
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<td>Conduct Mixed Media Campaigns</td>
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<td>Install and Maintain Pet Waste Disposal Stations</td>
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<td>Participate in/Support the Delta Mercury Exposure Reduction Program</td>
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Q&A
Karen Ashby, Larry Walker Associates