

Draft Outline: MSAR TMDLs Basin Plan Amendment Supporting Technical Report

Executive Summary

I. Introduction

- A. Brief History/Overview of MSAR TMDLs
- B. Purpose and Need for TMDL Revision

II. Environmental Setting

- A. MSAR Watershed Description

III. Problem Statement

- A. Regulatory History
 - 1. Regulatory Requirements at Time of TMDL Development
 - 2. Modifications to Regulatory Requirements Since TMDL Adoption
 - a. Basin Plan Updates (2012 Basin Plan amendment; outcome of the work of the Stormwater Quality Standards Task Force)
 - b. Adoption of State Water Board Bacteria Provisions
- B. Existing MSAR TMDLs
 - 1. Impairment Findings (as linked to Regulatory History)
 - 2. Numeric Targets
 - 3. Wasteload and Load Allocations
 - a. Technical Basis
 - b. Margin of Safety
 - c. Basis for Seasonal Variations
 - 4. TMDL Phase 1 Implementation Tasks
 - 5. TMDL Adoption/Approval Process
- C. Status of TMDL Phase 1 Implementation Tasks
 - 1. Task 1 – Revise Existing WDRs
 - 2. Task 2 – Identify Agricultural Operators
 - 3. Task 3 – Develop & Implement Watershed Monitoring Program
 - a. Original TMDL Monitoring Program
 - b. Incorporation of TMDL Monitoring Program into Regional Bacteria Monitoring Program
 - 4. Task 4 – Urban Discharges
 - a. Urban Source Evaluation Plan
 - b. MS4 Program Requirements
 - (1) Revisions to MSWMP/DAMP
 - (2) Revisions to WQMPs
 - c. 2010 MS4 Permit Requirements

- (1) Comprehensive Bacteria Reduction Plans
- 5. Task 5 – Agricultural Discharges
- 6. Task 6 – TMDL Triennial Reviews
- D. Status of Compliance with TMDLs
 - 1. Dry Summer Condition
 - a. Monitoring Program Status
 - b. Key Findings from Triennial Reports
 - c. CBRP Audit Findings
 - 2. Wet Winter Condition

IV. Proposed Revisions to the MSAR TMDLs

- A. TMDL Elements Proposed for Revision
 - 1. Extend Wet Weather Implementation Due Date
 - 2. Clarify Applicability of High Flow Suspension to MSAR TMDLs
 - 3. Establish Phase 2 Wet Winter Condition Implementation Plan
- B. Benefits & Technical Justification for Proposed Revisions
 - 1. Original Phase 1 Tasks Outdated
 - 2. Incorporate Regulatory Changes
 - a. State Water Board Provisions
 - b. 2012 Basin Plan Update
 - (1) Applicability of High Flow Suspension
 - (2) Controllable/Uncontrollable Provisions
 - 3. Watershed Changes
 - a. Land Use
 - b. Flow Characteristics
 - c. Jurisdictional
 - 4. Incorporate Findings from Bacteria Source Studies
 - a. Summary of Key Findings
 - b. Implications of Findings for Phase 2 Implementation
 - 5. Establish Phase 2 Implementation Plan
 - a. Tasks Focused on Wet Weather Conditions
 - b. Schedule/Milestones

V. References

VI. Appendices (if needed)