

# Elements of a TMDL Implementation Plan

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Pathogen TMDL Workgroup  
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# Components of a TMDL Implementation Plan (IP)

Prepare a formal document that includes:

- Introduction
- Federal and State Requirements
- Summary of TMDL Development
- Public Participation Process
- Implementation Actions
- Measurable Goals and Milestones
- Stakeholder's Roles and Responsibilities
- Potential Funding Sources

# IP Introduction

## Describe the Purpose, Content and Scope

- What beneficial use is impaired?
- What pollutant causes the impairment?
- What is the geographical extent of impairment?
- What are applicable Water Quality Objectives?

# Federal Requirements for TMDL IP

- No requirements in CWA statute
- Reasonable assurances for Load Allocations
- Requirements specified for federal grant fund eligibility (319 Grants)

# California Requirements for TMDL IP

- Porter-Cologne Water Quality Control Act
- Basin Plan is a legal document that describes how a Regional Board would manage water quality
- State Water Control Board requires that implementation be addressed when TMDLs are incorporated into Basin Plans

# Summarize TMDL Development

- Executive Summary of the TMDL Report
- Describe watershed characteristics
- Describe water quality data used
- Describe water quality modeling
- Describe pollution sources evaluated
- Describe allocations
- Describe needed load reductions

# Public Participation Process

Describe how will stakeholders be involved

- Public Meetings
- Steering Committee
- Focus groups
- Website
- Media Contacts
- Mailings

# Implementation Actions

- Identify specific types of corrective actions (e.g., structural and nonstructural BMPs)
- Identify the degree of detail for each action
- Identify technical assistance needed to implement each action
- Estimate cost and benefit of each action

# Measurable Goals and Milestones

- Will implementation be conducted in phases?
- Who is responsible for tracking control measure installations?
- What are the timelines for installing control measures?
- What type of water quality monitoring will be conducted during implementation?
- What are the annual goals to be achieved?  
(both installation and water quality goals)
- What methods will be used for evaluating progress?
- What actions will be taken if goals are not met?  
(both installation and water quality goals)

# Stakeholder Roles and Responsibilities

- Who are the stakeholders identified in TMDL Development?
- Which stakeholders have not yet engaged in the process?
- Which stakeholders will assist in implementing the IP?
- What are the specific roles & responsibilities of involved stakeholders?
- What resources can these stakeholders provide toward implementation?
- Which stakeholders are involved in voluntary controls?
- Which stakeholders are involved in regulatory controls?

# Potential Funding Sources

Identify possible funding sources

Identify Stakeholders who will apply for funding

## Federal Funds

- EPA 319 Funds
- USDA Conservation Reserve Program (CRP)
- USDA Conservation Reserve Enhancement Program (CREP)
- USDA Environmental Quality Incentives Program (EQIP)
- USDA Watershed and River Basin Planning (PL566)
- USFWS Conservation Grants

# Potential Funding Sources

## State Funds

- Consolidated Watershed Protections & Nonpoint Source Grants Program
- Agriculture Water Quality Grant Program (AWQGP)
- Agriculture Drainage Management Loan Program
- Dairy Water Quality Grant Program
- Clean Water State Revolving Fund (SRF) Loan Program
- Proposition 13 Nonpoint Source & Watershed Protection Grants
- Proposition 40 Integrated Watershed Management Program
- Proposition 50 Integrated Regional Water Management Program