

Water Quality Attainment Processes

303(D) LISTING

Step 1 in the TMDL Development Process:

- Problem Identification**
- Delisting**

BASIN PLAN TRIENNIAL REVIEW

Water Quality Standards

- Beneficial Uses
- Water Quality Objectives

Step 2 in the TMDL Development Process:

- Numeric Targets (if changing standard)**
- Use Attainability Analysis**
- Site Specific Objectives**
 - Water Effect Ratios
- Biotic Ligand Modeling**

WATER QUALITY ATTAINMENT PROCESSES

TMDL DEVELOPMENT (CREST Focus & Scope of Work)

Step 2 in the TMDL Development Process:

Numeric Targets (if not changing standard)

Step 3 in the TMDL Development Process:

Source Analysis

- Source Identification
- Synoptic Surveys
- Critical Conditions
- Seasonal Variability
- Data Collection
- Data Development
- Data Analysis

Step 4 in the TMDL Development Process:

Linkage Analysis

- Modeling

Step 5 in the TMDL Development Process:

Pollutant Allocation

- TMDL Calculation
- Load Allocations
- Wasteload Allocations
- Margin of Safety

Step 6 in the TMDL Development Process:

Implementation Strategy

- Cost Estimates
- Compliance Schedule and Milestones
- BMP Alternatives
- Reopeners (if appropriate)
- Jurisdictional Responsibilities

Step 7 in the TMDL Development Process:

Monitoring

- Sampling and Analysis Plans
- Quality Assurance Policies and Procedures
- Field Sampling and Monitoring
- Laboratory Analysis
- Data Analysis
- Data Management

Identification of Special Studies

- Prioritization
- Work Plans
- Decision Trees

Conducting Special Studies (that are part of TMDL Development Process)

Joint Review and Comment on TMDL Documents

TMDL IMPLEMENTATION

Specific Implementation Planning and Methods

Conducting Special Studies (that are outside of TMDL Development Process)