

# INTRODUCTORY MODULE

## WQMP TEMPLATE AND NON-PRIORITY PROJECT PLAN



New Development and Significant Redevelopment Program  
Roll-out Training

July 2011

# TRAINING MODULES

## Introductory Modules

Overall Program Documents

Model WQMP

Technical Guidance Document

WQMP Template and Non-Priority Project Plan

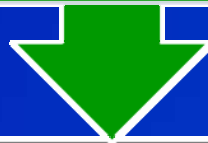


## Process Overview Modules

Development of LIPs/SSMPs

Project WQMP Preparation and Review (Private Project)

Project WQMP Preparation and Review (Public Project)



## Technical Focus Modules

Level of Detail in Conceptual/Preliminary and Project WQMPs

Site and Watershed Assessment

BMP Selection and Prioritization

BMP Sizing and Hydrologic Analysis

LID Feasibility Criteria

Regional BMPs, Watershed-Based Plans, and Alternative Compliance Options

BMP Selection and Sizing Consideration for Green Streets Projects

# Agenda

- Priority vs. Non-Priority Projects
- WQMP Template
  - ◆ Purpose
  - ◆ Overview/How to Use
- Non-Priority Project Water Quality Plan
  - ◆ Level of Detail
  - ◆ Overview/How to Use

# Priority VS. Non-Priority Projects

- A Priority Project meets one of the Priority Project categories listed in the MWQMP
  - ◆ Priority Projects must complete a Project WQMP and can utilize the WQMP Template
- If a project does not fall into one of those categories, it may be a Non-Priority Project
  - ◆ Non-Priority Projects must complete a Non-Priority Project Water Quality Plan

# Non-Priority Projects

- Do not fall into Priority Project categories, but:
  - ◆ Require discretionary action that will include a precise plan of development, except for those projects exempted by the Permittee Water Quality Ordinance (as applicable); or
  - ◆ Require issuance of a non-residential plumbing permit for pipelines conveying hazardous materials (e.g. gasoline) as defined in the Permittee Water Quality / Stormwater Ordinance; or
  - ◆ Are below ground linear utility projects (non-drainage)

# Other Permit Projects

- All other ministerial permit applications that do not require a WQMP or NPP WQ Plan previously noted do not fall within the NPDES New Development/ Significant Redevelopment Program

# WQMP Template Purpose

## ■ PURPOSE

- ◆ Provide project proponents a guide to complete a Project WQMP
- ◆ Standardize the format of WQMPs
- ◆ Contain references to sections of the Model WQMP and Technical Guidance Document for each significant section
- ◆ May be adapted by Permittees but must contain the essential elements

# WQMP Template Sections

- Sections:
  - ◆ Project Owner's Certification
  - ◆ I - Discretionary Permits and Water Quality Conditions
  - ◆ II - Project Description
  - ◆ III - Description
  - ◆ IV - Best Management Practices (BMPs)
  - ◆ V - Inspection and Maintenance Responsibilities
  - ◆ VI - Site and Drainage Plan
  - ◆ VII - Educational Materials



# I - Discretionary Permits and Water Quality Conditions

- Basic information that establishes project and background conditions
  - ◆ Project information
  - ◆ Water Quality conditions
  - ◆ Conceptual WQPM conditions
  - ◆ Watershed-Based plan conditions

# II Project Description

- Key information needed on which to develop basis for project evaluation
  - ◆ Project description
  - ◆ Expected stormwater pollutants of concern based on proposed land use
  - ◆ Hydrologic Conditions of Concern
  - ◆ Post Development Drainage Characteristics
  - ◆ Property Ownership/Management
  - ◆ Water Quality Credits (may move to section III)

# III Site Description

- Detailed site information necessary to select and size project BMPs
  - ◆ Physical Setting
  - ◆ Site Characteristics
  - ◆ Watershed Description

# IV Best Management Practices (BMPs)

- Primary Section for identification and selection of Project BMPs and/or alternative approaches.
  - ◆ Project performance criteria
  - ◆ Site design and drainage plan
  - ◆ LID BMP selection and project conformance analysis
  - ◆ Alternative Compliance Plan (if applicable)

# BMPs -Project Performance Criteria

- Is Project Street, Road, Highway, or Above Ground Lined Drainage Facility?
  - ◆ Follow EPA Green Infrastructure Guidance
- Is there an approved WIHMP?
  - ◆ Describe WIHMP feasibility criteria and identify potential regional BMP opportunities
- Determine applicable BMP Performance Criteria

# BMPs - Site Design and Drainage Plan

- Develop and describe the site design and drainage plan which includes:
  - ◆ Site design practices
  - ◆ Site design narrative
  - ◆ A table of DMA characteristics and LID BMPs
  - ◆ Reference to the WQMP plot plan.
  - ◆ Calculation of Design Capture Volume (DCV) for each drainage area

# BMP Selection and Project Conformance Analysis

- Identify on-site LID BMPs to be used and demonstrate compliance with criteria (or infeasibility):
  - ◆ Hydrologic source controls
  - ◆ Infiltration
  - ◆ Evapotranspiration
  - ◆ Harvest/Re-Use
  - ◆ Biotreatment
- Identify hydromodification BMPs and demonstrate compliance with criteria

# BMP Selection and Project Conformance Analysis

- Identify other BMPs to be used and demonstrate compliance with criteria:
  - ◆ Regional/subregional LID BMPs
  - ◆ Treatment control BMPs
- Identify Structural and non-structural source control BMPs



# Alternative Compliance Plan

- Watershed-based Treatment BMPs
- Offsite projects funded through Runoff Mitigation Funds
- Requires waiver request and approval

# Section V - Inspection/ Maintenance Responsibility for BMPs

- Identify o&m requirements and mechanism
- Prepare and attach an o&m plan

# Sections VI and VII

- Section V - Site Plan and Drainage Plan
  - ◆ Site Plan and Drainage Plan
  - ◆ Electronic Data Submittal requirements
- Section VI Educational Materials

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# Non-Priority Project Water Quality Plan (NPP)

- PURPOSE: Provide guidance for documenting the water quality requirements for Non-Priority Projects
- Non-Priority Project Water Quality Plan
  - ◆ Must document:
    - Site Design
    - Source Control

# NPP

- Non-Priority Project Water Quality Plan Sections:
  - ◆ General Information
  - ◆ Owner's Certification
  - ◆ Project Description
  - ◆ Site Description
    - Drainage Conditions
    - Pervious Area Conditions
  - ◆ Watershed Information
  - ◆ BMPs
  - ◆ Inspection and Maintenance Responsibilities
  - ◆ Site Plan

# NPP

- BMP Requirements for Non-Priority Projects
  - ◆ Site Design BMPs
    - Hydrologic Source Controls
    - Infiltration
    - Evapotranspiration
    - Rainwater Harvesting
    - Biotreatment
  - ◆ Source Control BMPs
  - ◆ Other BMPs

# QUESTIONS

