

NJDEP STORMWATER INITIATIVES - UPDATE

PRESENTED TO
NJ CLEAN WATER COUNCIL

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Overview

- ▣ MS4 Tier A Stormwater Audit Program
- ▣ MS4 Tier A Permit Renewal
- ▣ Questions

MS4 TIER A STORMWATER AUDIT PROGRAM

MS4 Audit Program

Develop Comprehensive Municipal Stormwater Audit Program

- Entire Permit
- Specific Permit Components



MS4 Audit Program

Goals of the Audit Program

- Permit Compliance
- Compliance Assistance
- Effectiveness of the Permit
 - Permit Modifications
 - Rule Changes
 - BMPs
 - Guidance



MS4 Audit Program

Goals of the Audit Program, cont'd

- Education & Training Needs Determination
 - Type
 - Target Audience
(i.e. engineers, planning boards, etc.)
- Funding Needs & Sources

MS4 Audit Program

- ▣ Audit-Specific components or all aspects of the MS4 Permit, which include:
 - Sharing of Responsibilities
 - ▣ Rely on another gov't, private or nonprofit
 - Implementation of Statewide Basic Requirements (SBRs)
 - ▣ Post Construction
 - ▣ Local Public Education
 - ▣ Ordinance Requirements
 - ▣ Illicit Connection & MS4 Outfall Pipe Mapping
 - ▣ Solids and Floatables Control
 - ▣ Employee Training

MS4 Audit Program

- ▣ Audit-Specific components, cont'd:
 - Stormwater Pollution Prevention Plan (SPPP)
 - ▣ Outlines the Stormwater Program
 - ▣ Implements SBRs
 - ▣ Recordkeeping/Maintenance/Inspection



MS4 Audit Program

- Additional & Optional Measures
 - EPA or WQMP
 - BMPs that prevent/reduce pollution



MS4 Audit Program Implementation

- Annual Reports Screened
- Auditing of Selected Municipalities
- Coordination with the Municipality
- Pre-Audit Preparation

MS4 Audit Program Implementation

- NJDEP Audit Form (“drill down questions”)
- On-site interview with Stormwater Coordinator, Engineer, DPW
- Review of Post-Construction Requirements under NJAC 7:8
- Initial Findings

MS4 Audit Program Implementation

- Follow up
 - Compliance Assistance
 - Training & Funding
 - Enforcement
 - Audit Report

MS4 Audit - Roll Out

- ▣ CY2014 - Revised AR Forms & Audit
- ▣ CY2015 - Trial Audits - underway
- ▣ 5/2/2015 - Annual Reports due [SOP]
- ▣ CY2015 - Auditing Commences in 3rd Qtr

MS4 TIER A PERMIT RENEWAL

Process moving forward

- Release of preliminary draft - pending
- Release of draft permit ~ Summer 2015
- Release of final permit ~ October 2015
- Issuance of Tier A Authorizations
- Update to Tier A Guidance Document

New Permit Conditions as Compared to 2009 Tier A Permit

- Stormwater Facility Inventory & Mapping
 - Stormwater Basins, Subsurface Retention/Detention Systems, MTD's and Outfalls
- Maintenance requirements retained but clarified including copies of maintenance plans
- Expanded Municipal Maintenance Yard Module
- Design checklists for newly proposed stormwater management measures (i.e. N.J.A.C. 7:8).

Renewal Permit Attachments

- A Contents of the SPPP - Modified
- B Points System for Public Education and Outreach Activities – significantly expanded to include more events
- C Design Standards for Storm Drain Inlets – Unchanged
- D Major Development Stormwater Summary (NEW!!!)
- E Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations – Significantly improved, expanded to municipal composting
- F Procedures for Detecting, Investigating, and Eliminating Illicit Connections - Clarified

Permit Conditions: Good News for Municipalities

- Minimal SPPP changes (except for new conditions)
- Inclusion of permit conditions for municipal composting (i.e. yard waste) and Class B materials handling and road clean-up materials storage
- No new ordinances



Catch Basin and Inlet Inspection and Cleaning

- Tier A Municipalities with **less than 5000** municipally owned and operated catch basins shall annually inspect **at least 1000** catch basins and inlets per year (and clean as needed).
- Tier A Municipalities with **more than 5000** municipally owned catch basins shall annually inspect **at least 20 percent** of all catch basins and inlets each year (and clean as needed).



Inventory

Create and maintain an inventory of:

- Stormwater Management Basins
- Subsurface retention/detention systems
- Manufactured Treatment Devices
- Outfalls

That are:

- Owned and operated by the Tier A Municipality;
- Privately owned*

*unless they are subject to another NJPDES Stormwater permit.

Inventory Components and Format

Include:

- Type of Stormwater Facility
- Coordinates (in the format described below)
- Permittee Generated Identification Number
- Road Name
- Owner
- Tax Map Number
- Block and Lot (where applicable)

Include GPS coordinates in accordance with N.J.A.C. 7:1D-Appendix A, and NJ GIS protocol at <http://www.state.nj.us/dep/gis/standard.htm>.

Inventory Submittal Requirements

- Maintain in an electronic format provided by the Department
- Upload to the Department each year as an attachment to the Annual Report

How will the Inventory Requirement benefit the Tier A Municipality?

- Better self awareness of stormwater facilities
- Could assist with flooding complaints
- Could assist with illicit discharge issues
- Could assist with mosquito control issues

Maintenance Plans

- Applicability: Public and Private
- Maintain copies of maintenance plans for all publicly and any privately owned (approved for construction after March 1, 2004 under the Tier A Municipality's post construction stormwater management program) facilities

Maintenance Requirements

- Applicability: Municipally owned
- Tier A Municipalities shall continue to implement a stormwater facility maintenance program for cleaning and maintenance of all municipally owned and operated stormwater facilities. Stormwater facility maintenance must be performed as per any maintenance plans or as otherwise needed to ensure the proper function and operation of the stormwater facility.

Maintenance Requirements

- Applicability: Privately owned
- Tier A Municipalities shall ensure adequate long-term operation and maintenance of any stormwater management measures (e.g. stormwater management basins) on property not owned or operated by the Tier A Municipality

Timeframe and Other MS4 Permits

- Tier B - Draft “concurrent” with Tier A
- Next: Public Complex and Highway Agency

Questions?



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