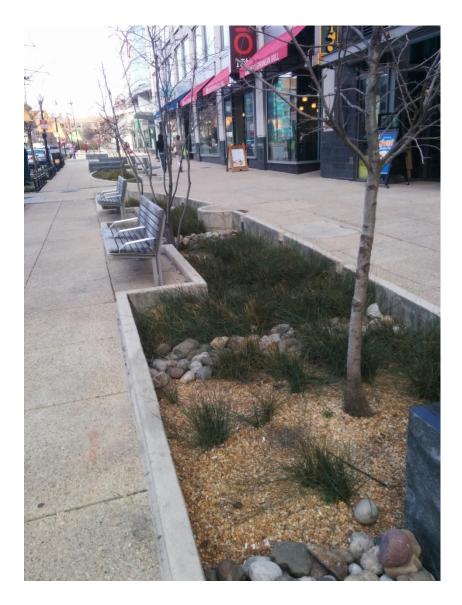
Update on the Tier A and Tier B MS4 NJPDES Permits

Corey Anen NJDEP Division of Water Quality September 22, 2017

- MS4 Permit Overview
- Renewal Process
- Tier A Permit Changes
- Tools and Guidance
- Tier B Permit Changes



Six Minimum Measures – Federal Phase II Rules

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

Statewide Basic Requirements – N.J.A.C. 7:14A-25

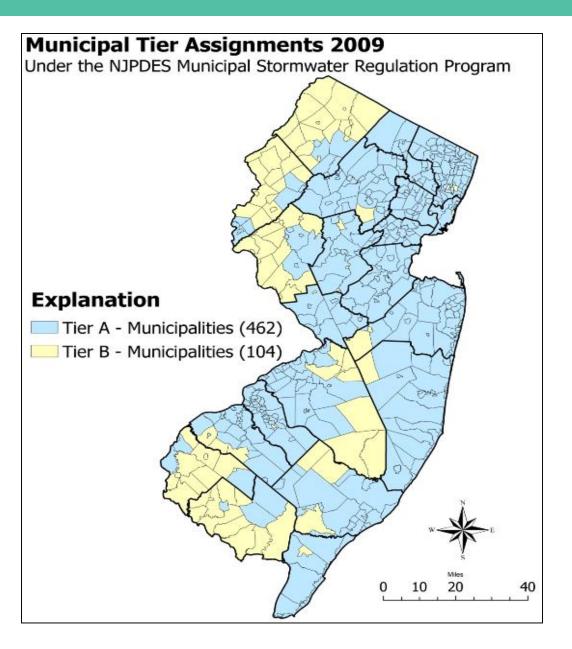
- Public Involvement/Participation
- Local Public Education and Outreach
- Construction Site Stormwater Runoff
- Post-Construction Stormwater Management in New Development and Redevelopment
- Pollution Prevention/Good Housekeeping
- Outfall Pipe Mapping
- Illicit Discharge and Scouring Detection and Control

Current Effort

- Tier A Municipalities (462) (mostly densely populated, along/near coast)
- Tier B Municipalities (104) (rural, non-coastal)

<u>To Follow</u>

- Public Complex (71) (colleges, universities, hospitals, prisons)
- Highway Agencies (33) (Counties, NJDOT, Parkway and Turnpike Authorities)
- All expired 2/28/2014

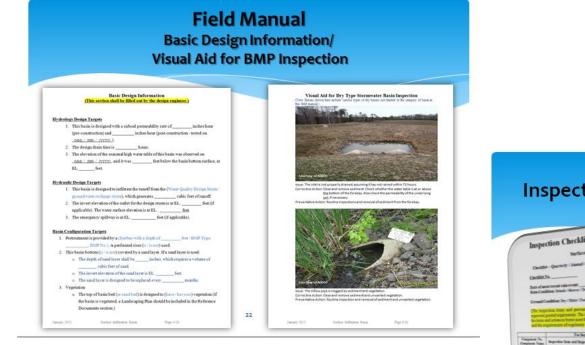


- Preliminary Draft Permits issued in February (Tier A) and March (Tier B) of 2016
- BNPC staff conducted 28 outreach meetings
 - February June 2016
 - Invitations sent to all municipalities
 - 230 municipalities attended
- 420 total comments received on pre-draft
- Draft Renewal Permits issued February 15, 2017
- March 22, 2017: Public Hearing at DEP Main Office
- April 3, 2017: Public comment period closes
- Currently developing Response to Comments

Organization	Meeting Dates
League of Municipalities	2/8/16, 4/5/16 (webinar)
Clean Water Council	2/9/16, 4/12/16 (hearing)
US EPA Region 2	3/3/16, 7/27/16
Stonybrook Millstone Watershed Association	3/24/16
Environmental Groups	4/1/16
NJ Society of Municipal Engineers	4/6/16
NJ Association of Counties	5/19/16
Bergen County Mayor's breakfast	4/12/2016
Whippany River Watershed Action Committee	5/4/16

- Inventory and Mapping
- Employee Education Requirements
- Total Maximum Daily Load (TMDL)
- Transparency of Permit Conditions
- Reduced Duplication of Effort

- Existing Requirement:
 - Ensure proper operation and maintenance of stormwater facilities
 - Applies to public and private facilities
- Proposed Changes:
 - Clarified language regarding operation and maintenance
 - Maintain a log to demonstrate compliance
 - Collect location information whenever maintenance is performed
 - Ensure maintenance of older stormwater facilities

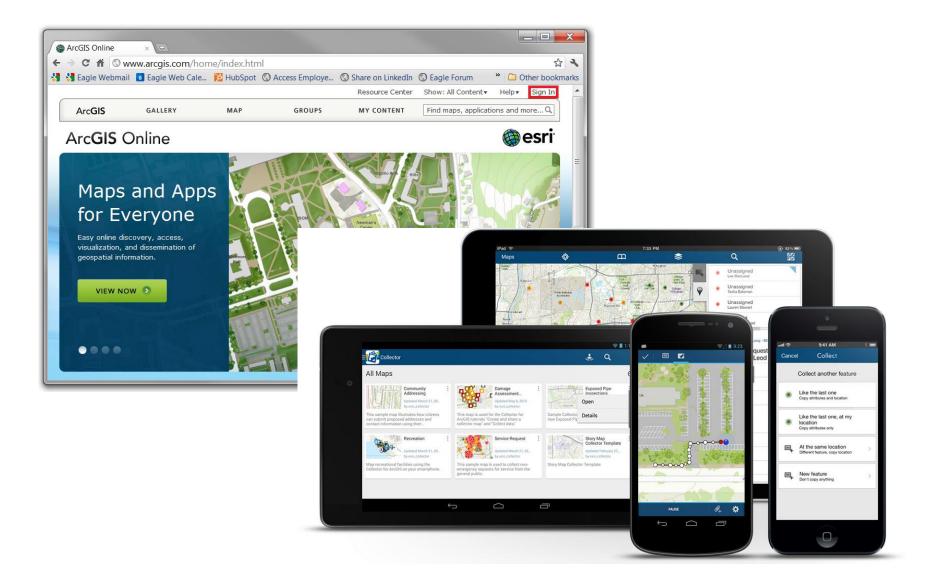


Inspection Checklist / Maintenance Actions

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- Creation of a data dictionary or template for 6 stormwater infrastructure feature classes
- Development of multiple collection methods
- Incorporation of existing data
- Detailed guidance on collection methodologies
- In person training and assistance







Manufactured Treatment Devices

Green Infrastructure



Storm Drain Inlets

Feature Class	Attribute	Domains
	Outfall Pipe ID	DEP Generated
	Road Name	(To be completed by permittee)
	Outfall Type	Channelized flow
		Concrete headwall
		Ditch
		Flared end section
	(choose one)	Grass swale
		Pipe
		Pipe in headwall
		Other
	Owner Type (choose one)	County
		Federal Government
Outfall Pipe		Municipality
		Private
		School District
		State
		Other
		Unknown
	Data Collection Method (choose one)	Desktop Collection
		Mapping Grade GPS
		Mobile Device
		Mobile Device GPS Paired
		Recreational Grade GPS
		Survey Grade GPS

- New training required for stormwater management design reviewers
- Once every 5 years
- Offered twice annually for free
- Within EDP + 12 months

- Training required for municipal board and governing body members
- Must complete "Asking the Right Questions" tool within EDP + 6 months
- Required for anyone who reviews and approves applications for development/redevelopment
- Use other training tool once per term thereafter

- NJPDES Municipal Stormwater Regulation Program Employee Training Videos
- Stormwater Management rule training videos
- Maintenance guidance video
- Links to other training at njstormwater.org/training

Video1-SWM Rule-Applicability-July-2015

APPLICABILITY

Municipal Regulations

Municipal Stormwater General Permit

MS4 Permit- The Stormwater Control Ordinance requires compliance with the Stormwater Management rules

MS4 Permit Definition for a Major Development:

- Any development that results in the disturbance of 1 or more acres, and is subject to the New Jersey Municipal Land Use Law
- *It is very important to check the regulations of the municipality in which a development is planned, as their definition could be different*

If it is a major development, then it requires compliance with the design and performance standards in the Stormwater Management rules.





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Tier A Draft Permit Renewal – TMDL Requirements

- Identify and review approved and adopted TMDLs applicable to municipality
- Identify and develop strategies to address pollutant sources
- Incorporate strategies into SPPP as Optional Measures
- Use TMDL information to prioritize maintenance

Total Maximum Daily Load (TMDL) Look-Up Tool

The tool was developed to allow New Jersey's municipal stormwater program coordinators to quickly identify Total Maximum Daily Load (TMDL) information in relation to Municipal Separate Storm Sewer Systems. It should also prove useful to others with an interest in water quality issues that affect our state.

To use the TMDL Look-Up Tool, go to the dropdown feature below and locate your municipality. The tool will display a list of watersheds and established, approved or adopted TMDL information associated with the selected municipality. To view the TMDL document and find Implementation strategies, click on the associated link: "View the TMDL Document". Once you have opened the TMDL document you can locate the Implementation section using the table of contents and use this information to identify measures you can implement in your community.

Why use the TMDL Look-Up Tool? This tool allows the user to quickly identify Total Maximum Daily Load (TMDL) information associated with any segment of surface water wholly or partially within or bordering the Tier A Municipality. Municipalities can use this information to assess and address local water quality issues in relation to operation of their Municipal Separate Storm Sewer System (MS4) as required under the Tier A MS4 Master Genera Permit No. NJ0141852. It is anticipated that the next iteration of this permit, expected to be issued in 2017, will require permittees to identify TMDL information for inclusion in municipal Stormwater Pollution Prevention Plans. Users may refer to the Implementation section of each TMDL report as a starting point for developing strategies to address identified pollutants at the local level.

County: select county ▼ Municipality: ▼ Go Reset
Please click Reset for a new search.
A Guide to Abbreviations used in the TMDL Look-Up Tool Hg = Mercury TP = Total Phosphorus DO = Dissolved Oxygen TSS = Total Suspended Solids

http://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm

Find Forms | Contact Us

Municipality and County Trenton City Mercer County

Total Maximum Daily Load(TMDL) Information for Selected Municipality:

Applicable Stream TMDL(s)

Total Maximum Daily Loads for Fecal Coliform to Address 28 Streams in the Northwest Water Region

Fecal Coliform - 2003 : Assunpink Creek, Shabakunk Creek, Little Shabakunk : View the TMDL Document

Applicable Lake TMDL(s)

None

Applicable Shellfish TMDL(s)

None

http://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm

Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees

Phosphorus			
Potential Sources	Potential Responses		
Stormwater management facilities that are improperly designed and/or maintained	Ensure proper operation and maintenance of publicly owned and privately owned stormwater management facilities Retrofit existing stormwater management facilities to provide enhanced water quality benefits		
Unmanaged urban stormwater runoff	Implement green infrastructure and other stormwater management strategies to reduce the adverse effects of unmanaged stormwater runoff; Adopt a stricter stormwater control ordinance, such as reducing the threshold for major development or requiring on-site retention Prioritize street sweeping and stormwater inlet cleaning in TMDL areas		
Illicit discharges and connections	Identify and eliminate illicit discharges and connections Prioritize infrastructure mapping and inspection in TMDL areas		
Malfunctioning sewage conveyance facilities	Identify and eliminate illicit discharges and connections		
On-site disposal systems that are inadequately designed, operated, maintained, or located			
Pets	Enforce pet waste ordinance(s); Target public education materials to pet owners		
Wildlife	Enforce wildlife feeding ordinance(s) Establish goose management BMPs Riparian/Lake and "No Mow" buffer restoration		
Fertilizers	Ensure a mechanism is in place for enforcement of the New Jersey Fertilizer Law (see www.nj.gov/dep/healthylawnshealthywater/)		

http://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm

- Post information on website:
 - SPPP
 - Municipal Stormwater Management Plan
 - Ordinances
- Ensure public notice of opportunities to participate in plan development

- Increased coverage of municipal maintenance yard activities
- Implement BMPs for underground vehicle washwater tanks
- Implement BMPs for yard waste/composting activities

- Reorganized permit and clarified language
- Reduced frequency for most employee training from annual to biennial
- Expanded local public education requirement to
 12 points and added new opportunities
- Outfall pipe map: restored requirement to ID the receiving water body
- Major Development Stormwater Summary Form

Attachment D - Major Development Stormwater Summary

General Information				
1. Project Name:		Lot & Block Info:		
2. Municipality:				
3. Site Location (State Plane Coordinates – NAD83)	E: N:			
 Date of Final Approval for Construction by Municipal Date of Certificate of Occupancy (MM/DD/YYYY): 	ity (MM/DD/YYYY):			
5. Project Type (place an "x" after all that apply) Residential Commercial Industrial	Other (please specify)			
6. Soil Conservation District Project #:				
7. Did the project require a NJDEP Land Use Permit?	Yes 💽 No 🔘 🛛 Land Use Permit #:			
8. Did the project require any mitigation measures? Y If yes, which standard was mitigated?	/es 🕥 No 💽			

- Completed for all new major developments
- Administrative and hydrologic information essential to stormwater management reviews

- Expanded local public education requirement to
 12 points and added new opportunities
- Major Development Stormwater Summary Form
- Reorganized permit and clarified language
- Revised existing attachments and added three new ones

Tier A & B Draft Permit Renewal – Attachment A

Measurable Goals for Statewide Basic Requirements and Other Conditions of this Permit				
Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Public Involvement and Participation Includ			Schedule	Kequitement:
Provide for public notice under the Open Public Meetings Act, statutory procedures for enactment of ordinances, and Municipal Land Use Law when providing for public participation in the development and implementation of a stormwater program, and maintain records necessary to demonstrate compliance.	IV.B.1.a & d	Certify in each annual report that all public notice requirements have been met and relevant records kept.	EDPA	No
Provide the current SPPP to the public upon request.	IV.B.1.b.i	Certify in each annual report that the SPPP was made available to the public.	EDPA	No
Post the current SPPP on the municipality's website.	IV.B.1.b.ii	Certify in each annual report that the SPPP has been posted on the municipality's website (excluding inspection logs and other recordkeeping required by this permit) and that the posted SPPP is current.	EDPA + 90 days	Yes
Post the current Municipal Stormwater Management Plan (MSWMP) and related ordinances on the municipality's website.	IV.B.1.b.iii	Certify in each annual report that the MSWMP and related ordinances have been posted on the municipality's website and that the posted documents are current.	EDPA + 90 days	Yes
Local Public Education and Outreach Implementation of a Public Education and Outreach Program by conducting activities that total a minimum of 12 points on an annual basis.	IV.B.2.a	Certify in each annual report that the minimum point value has been met and report point totals in the Annual Report. Maintain records of materials and activities from Attachment B, including dates of activities and any other relevant documentation (e.g. brochures, pictures, sign-in sheets, press clippings).	EDPA	Modified

More Information

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Main Stormwater Page: <u>http://www.nj.gov/dep/dwq/fd.htm</u>

Links to MS4 Permits: http://www.nj.gov/dep/dwq/msrp_home.htm

Post-construction Stormwater:

www.njstormwater.org