TPDES Permitting

Municipal Separate Storm Sewer Systems (MS4s) Updates

Lower Rio Grande Valley
Water Quality Management Planning Conference

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Hanne Lehman Nielsen

Texas Commission on Environmental Quality
Stormwater & Pretreatment Team
Water Quality Division
(512) 239 4671

Outline of Presentation

- Municipal Stormwater
 - Phase I program Individual Permits
 - Phase II program General Permit TXR040000



What is an MS4?

- An MS4 is a publicly-owned or operated stormwater drainage system
 - Designed to collect or convey stormwater
 - Includes storm drains, pipes, ditches, gutters, etc.





Phase I MS4s

- Medium and Large
 - Municipal population 100,000+ (1990 Census)
 - Includes public entities in the UA
 - TxDOT, universities, some others
 - TCEQ issued 26 TPDES permits some include coalitions (a total of about 50 permittees)
 - First renewals were submitted beginning summer of 2010
 - Last renewals will be submitted 2014



Phase I MS4 Permit Renewals

- Minimum Control Measures (MCMs examples)
 - MS4 Maintenance Activities
 - Post-Construction Control Measures
 - Illicit Discharge Detection and Elimination
 - Pollution Prevention/Good Housekeeping for Municipal Operations
 - Industrial & High Risk Runoff
 - Construction Site Runoff
 - Public Education and Outreach/Public Involvement and Participation
 - Monitoring, Evaluation and Reporting

Requirements of Phase I MS4s

- Perform Monitoring three options
 - Representative Storm Events,
 - Representative Rapid Bioassessment, or
 - Watershed monitoring Regional Wet Weather Characterization Program (Dallas-Fort Worth area)
 - Coordinated by North Central Texas Council of Governments
 - Program reviewed and approved by TCEQ



Requirements of Phase I MS4s

In addition to monitoring above,

- Monitoring of Floatables
 - Often required in 2 locations at a frequency 2 times per year
 - Report collected amount
- Submit Annual Reports
 - TCEQ reviews and provides feedback



Phase I MS4s Permit Renewals

- Discharges into Impaired Waters with Total Maximum Daily Load (TMDL) and Implementation-Plan (I-Plan)
 - Add language from the I-Plan related to the MS4 permittee
- Discharges into Impaired Waters with no TMDL
 - Permittee is required to address impairment within the MCMs



Phase I MS4s Permit Renewals

- > EPA Review
 - More similar requirements as Phase II GP
 - Priority areas
 - List of construction sites
 - Procedures for inspection of industrial sources
 - Mapping requirement
 - Similar requirements for TMDL as Phase II GP



TxDOT MS4 Statewide Individual Permit





TxDOT MS4 Statewide Individual Permit

- ➤ Application received March 18, 2013
 - EPA and TCEQ agreed with concept
 - Delays due to complexity of permit and legal implications
- Coverage will replace
 - 15 Phase I individual permits
 - 19 Phase II authorizations under the Phase II GP
- Coverage will include New MS4 areas



TxDOT MS4 Statewide Individual Permit

- > Requirements
 - Level 2 MS4 provisions from Phase II GP
 - Phase I provisions where applicable



- Phase II General Permit TXR040000
 - Small MS4s located in an urbanized area (UA)
 - Issued December 13, 2013 5 year term
 - 472 approved authorizations included 66 waivers under 2007 GP
 - 400 additional new MS4 entities
 - 100 cities
 - 300 non-traditional MS4s



Urbanized Area (UA)

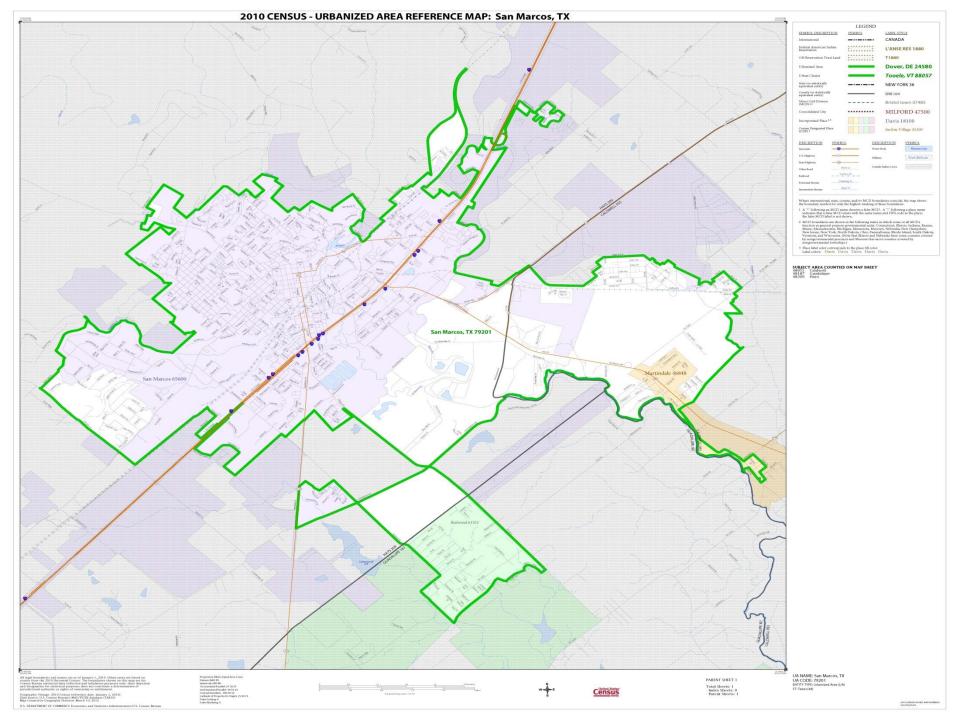
- UAs represent densely developed territory
- A densely settled core of census tracts and/or census blocks meeting minimum population density requirements:
 - A combined residential population of at least 50,000 people
 - Overall population density of at least 1,000 people per square mile



Urbanized Area (UA)

- US Census Bureau develops the UAs
- UA maps illustrate defined boundaries of UAs in the form of a map
- EPA website regarding UA maps: http://cfpub1.epa.gov/npdes/stormwater/urbanmaps.cfm
- TCEQ website regarding UA maps: <u>http://www.tceq.texas.gov/assistance/water/sw-ms4.html</u>





Notification letters sent to New and existing MS4s

Permit documents on website:

Texas Commission on Environmental Quality

P.O. Box 13087, Austin, Texas 78711-3087



GENERAL PERMIT TO DISCHARGE UNDER THE

TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

under provisions of 402 of the Clean Water Act and Chapter 26 of the Texas Water Code

This permit supersedes and replaces
TPDES General Permit No. TXR040000, issued August 13, 2007

Small Municipal Separate Storm Sewer Systems

located in the state of Texas

may discharge directly to surface water in the state

only according to requirements and conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ or Commission), the laws of the State of Texas, and other orders of the the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of stormwater and certain non-stormwater discharges along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This general permit and the authorization contained herein shall expire at miduight, five years after the permit effective date.

EFFECTIVE DATE: DEC 1 3 2013

ISSUED DATE: DEC 1 3 2013





NOI is updated

Application deadline:June 11, 2014

TCEQ Office Use Only Permit No.: RN: CN:

Region

RESET FORM

TCEQ Notice of Intent (NOI) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) under the TPDES Phase II MS4 General Permit (TXR040000)

IMPORTANT:

- Use the <u>INSTRUCTIONS</u> to fill out each question in this form.
- Use the <u>CHECKLIST</u> to make certain you filled out all required information. Incomplete applications WILL delay approval or result in automatic denial.
- Once processed your authorization can be viewed at: http://www2.tceq.texas.gov/wq_dpa/index.cfm

APPLICATION FEE:

- You must pay the \$100 Application Fee to TCEQ for the paper application to be complete.
- Payment and NOI must be mailed to separate addresses.
- Did you know you can pay on line?
- Go to https://www3.tceq.texas.gov/epay/index.cfm
- Select Fee Type: GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION

	I TOTTE I LE	3111011				
•	Provide your payment information below, for verification of payment:					
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One (1) copy of the NOI and Stormwater Management Program (SWMP) with the completed SWMP Cover Sheet MUST be submitted with the original NOI and SWMP.

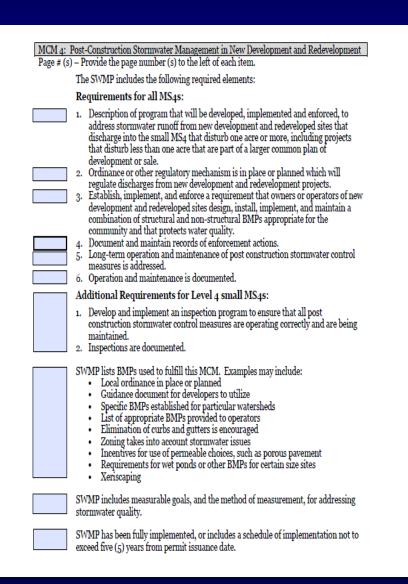
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RENEWAL: Is this NOI a Renewal of an existing Phase II MS4 General Permit Authorization?

(Note: An authorization cannot be renewed after June 11, 2014.)



- Check list in NOI provides overview of requirements in permit
- Submit SWMP with NOI



Waiver Option from Permitting Requirements

- Option 1
 - Serves a population less than 1,000 in an UA and
 - Discharge not contributing substantially to interconnected regulated MS4
 - No TMDL or WLA for an impaired waterbody that requires the MS4 to have additional controls
- Option 2
 - Serves a population under 10,000 and
 - Receiving water has been evaluated
 - No TMDL or WLA for an impaired waterbody that requires the MS4 to have additional controls
 - Future discharge will not impair water body

- Develop and implement a comprehensive Stormwater Management Program (SWMP)
- Submit a Notice of Intent (NOI), SWMP, and \$100 fee
 - Form TCEQ 20368
 - TCEQ performs technical review of SWMP
- Publish public notice in newspaper
 - Opportunity for the public to submit comments on the NOI and SWMP
- Notice of change (NOC)
 - Changes to SWMP
 - Form TCEQ 20392
- Annual reports
 - 90 days after permit year, fiscal year, or calendar year



- Minimum Control Measures (MCMs)
 - 1. Public Education, Outreach, and Involvement
 - 2. Illicit Discharge Detection and Elimination
 - 3. Construction Site Stormwater Runoff Control
 - 4. Post-Construction Stormwater Management in New Development and Redevelopment
 - 5. Pollution Prevention and Good Housekeeping for Municipal Operations
 - 6. Industrial Stormwater Sources
 - 7. Optional MCM for Construction done by the Permittee (MS4)



- Developing a SWMP existing permittees
 - Assess previous program elements
 - Modify as necessary
 - Develop and implement new elements
- Developing a SWMP new permittees
 - Develop and implement new elements



Stormwater Management Program

- Implementation of SWMP
 - Develop a schedule
 - Implemented in yearly intervals over the 5 year permit term
 - Must be fully implemented at the end of the 5 year permit term
- Possibility for Coalitions
 - Usually share a boundary or watershed
 - Each MS4 is responsible for own compliance



Phase II Annual Reports

- Submit the original report to the TCEQ Stormwater & Pretreatment Team (MC 148)
- Submit a copy of the report to the appropriate TCEQ regional office
 - Specify in the report cover letter that the TCEQ Regional Office has been sent a copy of the report
- Retain a copy of the report on site
- Annual Report template will be updated:
 http://www.tceq.texas.gov/assistance/water/sw-ms4.html
- Template will be updated



Sample of a Measurable Goal Table

Example - Measurable Goals Status

МСМ	Measurable Goal(s)	Success	Proposed Changes (submit NOC as needed)
1	Provide utility bill inserts to each utility customer at least once each year.	Met goal	None
2	Conduct one public meeting or city-wide cleanup day each year.	Exceeded goal: conducted one public meeting and two cleanup days.	None
3	Map 25% of outfalls and 50% of receiving waters during Year 1 (same as milestone)	Met goal	None
4	Perform site inspections of 25% of all active construction sites.	Did not meet goal. Number of construction sites in city was far above normal for the year.	Revise goal to perform site inspections of 25% of all active construction sites, or a minimum of 50 sites per year. Submitted NOC along with the annual report to reflect this change.
4	Respond to 100% of construction complaints received.	Met goal	None
5	Review all site plans submitted for new development projects.	Met goal	None
6	Sweep 50% of roads each year.	Exceeded goal – swept all city streets in Year 1.	None
	Send two employees each year to a storm water training workshop.	Met goal	None



- Guidance to non-traditional MS4s
- Requirements for discharges to impaired water bodies with and without approved TMDL and I-Plans
 - Discharging pollutants of concern
 - Bacteria reduction
- Flexibility in annual report due dates
 - Fiscal year, calendar year or permit year



Phase II Annual Reports

Permit Year Option		Fiscal Year (example) Option	
<u>Date</u>	Action	<u>Date</u>	<u>Action</u>
Dec. 2013	Permit effective date	Dec. 2013	Permit effective date
June 2014 (180 days)	NOI + SWMP	June 2014 (180 days)	NOI + SWMP
Dec. 2014	End of permit year	Sept. 2014	Start of MS4 fiscal year
March 2015	Year 1 Annual Report due (90 days from permit year)	Sept. 2015	End of MS4 fiscal year
		Dec. 2015	Year 1 Annual Report due (90 days from fiscal year)

- New MS4s: The first annual report needs to include all months since the permit effective date
- Existing MS4s: The first annual report needs to include all months since the end of last reporting period



- Tiered Permitting Approach based on population in the UA
 - Level 1: Up to 10,000
 - Level 2: 10,000 to 40,000, includes non-traditional MS4s
 - Level 3: 40,000 to 100,000
 - Level 4: More than 100,000



- Discharges into Impaired Water Bodies without an Approved TMDL
 - Determine if MS4 is source of the POC
 - Include focused BMPs to reduce to the Maximum Extent Practicable (MEP) the POC
 - Identify sources
 - Modify program as necessary
 - Include progress in annual report



- Discharges into Impaired Water Bodies with an Approved TMDL
 - MS4 contributes to the impairment
 - Describe targeted controls (BMPs) in SWMP and report progress in annual report
 - Each BMP to include a measurable goal
 - Identify a benchmark
 - If pollutant of concern (POC) is bacteria
 - Refer to I-Plan or use alternative BMPs



- Discharges into Impaired Water Bodies with an Approved TMDL
 - Assess progress towards benchmark
 - Use available data or collect monitoring data (instream or outfall)
 - If no progress towards benchmark shown
 - Identify alternative focused BMPs



- Current Permitting Activities
 - Meetings with new MS4 entities and consultants
 - Questions from new and existing MS4 entities
 - Waiver option 2 or not
 - Help using UA maps
 - Filling out NOI
 - Once regulated always regulated
 - MS4 entity responses to notification letters
- > Q&A document on MS4 website



TCEQ Web Links

- Stormwater Home Page
 - http://www.tceq.texas.gov/permitting/stormwater /sw_permits.html
- Small Business and Local Government Assistance
 - http://www.tceq.texas.gov/assistance



TPDES Stormwater Program Contacts

- Water Quality Division
- Rebecca L. Villalba, Stormwater & Pretreatment team leader
- Stormwater permit writers
 - Hal Bailey
 - Hanne Lehman Nielsen
 - Dan Siebeneicher
 - Lindsay Garza
 - Kent Trede
 - Elisabeth Molidor
- Austin Office: (512) 239-4671



Contact Information

- Small Business and Local Government Assistance (SBLGA)
 (800) 447-2827
 www.sblga.info
- Stormwater NOI/NEC/NOT Status (512) 245-0130 swpermit@tceq.texas.gov
- Permitting Information (Technical) (512) 239-4671 swgp@tceq.texas.gov

