Regional Stormwater Management Coordinating Council Meeting

SEPTEMBER 28, 2018
Special Presentation

Stormwater Management 101

Ben Pylant, PE (Halff Associates)
Chairman: Training/Credentialing Committee
Texas Floodplain Management Association (TFMA)
Regulatory Updates

Renewal of the Small (Phase II) Municipal Separate Storm Sewer System (MS4) General Permit, TXR040000

Publish notice: Aug. 24, 2018
➢ Texas Register
➢ 14 newspapers across the state
➢ 30-Day comment period: Aug. 24 – Sept. 24, 2018
➢ Public meeting: Sept. 24, 2018
• Currently: Reviewing and working on response to comments
➢ Commissioners Agenda (tentative): Dec. 12, 2018
• “Approximately 5 months behind” - Rebecca Villalba, TCEQ, TX Stormwater Conference September 26, 2018
Regulatory Updates

Summary of Proposed Changes to Existing Permit

➢ Phase II MS4 Remand Rule
   • Modified permit language to be clear, specific and measurable
   • Added language regarding SWMP modifications during the permit term to comply with permit modification regulations at 40 CFR §§122.62 or 122.63

➢ Electronic Reporting Rule
   • Electronic submittal of applications and reports by December 21, 2020
Regulatory Updates

Summary of Proposed Changes to Existing Permit

➢ Added and revised definitions such as benchmark value, infeasible, construction activity, Waters of the US, and impaired waterbodies
➢ Clarified that annexation of lands or acquiring new areas – will not require an NOC, but will require:
  • Within 90 days have a plan for implementing the SWMP in new areas
  • Implement program in new areas as expeditiously as practicable but no later than three years
➢ Added a requirement to check annually if a water body within the MS4’s permitted area has been added to the latest CWA 305(b)/303(d) list.
  • Newly listed impaired waterbodies must be addressed in the SWMP within two years.
➢ MCM 7. Construction Activities where the MS4 is the site operator
  • Decreased the benchmark value of total suspended solids from 100 mg/L to 50 mg/L to be consistent with the 2016 MSGP
➢ Application fee increased from $100 to $400
Regulatory Updates

Summary of Proposed Changes to Existing Permit

Modifications to the SWMP during the Permit Term

List of changes that do **not** require a NOC:
1. Non-substantial changes
2. Adding or annexing new areas
3. Adding BMPs

List of changes that **require** and NOC
1. Replacing BMPs
2. More frequent reporting or monitoring by the MS4
3. Change to compliance dates – note more than 120 days

List of changes that **require** an NOC and Public Notice
1. All other modifications that change the MS4s permit terms and conditions

Public notice will be posted on the MS4s website or the TCEQ website, if the MS4 does not have one.
What are Measurable Goals and What are they used for?

Objective markers or milestones that the MS4 will use to track the progress and effectiveness of BMPs in reducing pollutions to the MEP

- Tracking implementation over time
- Milestones to measure progress in implementing the BMPs
- Tracking program/BMPs effectiveness
- Tracking environmental improvement

<table>
<thead>
<tr>
<th>BMP</th>
<th>Required Actions</th>
<th>Deadline/Frequency</th>
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</thead>
<tbody>
<tr>
<td>Watershed signs</td>
<td>Inspect &amp; maintain existing watershed signs</td>
<td>Freq: Once per year</td>
</tr>
<tr>
<td>Distribution of brochures</td>
<td>Print 1,000 brochures annually; record # of brochures distributed</td>
<td>Frequency for printing: one time per year</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Frequency for recording distribution: Ongoing</td>
</tr>
<tr>
<td>Spill response &amp; safety – employee training</td>
<td>Train employees at applicable County facilities once per year; maintain log of attendees</td>
<td>Annually</td>
</tr>
<tr>
<td>County-Owned facilities &amp; controls inventory</td>
<td>Develop initial inventory of County-owned facilities &amp; stormwater controls</td>
<td>December 2015</td>
</tr>
</tbody>
</table>
Renewing your MS4 Authorization:

- After the MS4 General Permit has been renewed:
  - 1. Within **180 days**, submit a revised SWMP
  - 2. address all requirement in the new General Permit
  - 3. Ensure measurable goals are measurable

1. TCEQ will review the SWMP and provide feedback
2. TCEQ will draft a public notice
3. MS4s publish the public notice in a local newspaper and include MS4 website link
4. 30-day public period
5. MS4s send affidavit and proof of publication to OCC
6. Hold public meeting, if requested
7. TCEQ will respond to public comments
8. TCEQ approves/renews the MS4 Authorization
FY2018
Work Program
Watershed Elections

• Chair: Jason Longbine, City of Lewisville
• Vice-Chair: Bridgette Gibson, City of Arlington
• Past-Chair: Cody Whittenburg, City of Fort Worth

Your Vote Needed! See email for E-Vote!

• Elm Fork
• West Fork
• Main Fork
• East Fork
FY2018 Work Program

PUBLIC EDUCATION TASK FORCE UPDATE

SmartScape

• No Fall Plant Sales this year – check the SmartScape Calendar for local plant sales
• Developed a sign that entities/citizens can have printed to put in yard during conversion

YARD CONVERSION IN PROGRESS

www.txsmartscape.com
FY2018 Work Program
PUBLIC EDUCATION TASK FORCE UPDATE

Doo the Right Thing Calendar Contest Results:
• 257 pledges and photo entries
• 21 cities represented
• 1,147 votes

Winners Preview:
Training Modules
• NCTCOG staff is assembling the final product
• We will notify you if additional footage is needed

Mock Inspection
• Took place in Carrollton on September 20th at the Central Service Center
• Special thanks to Krista Pender for hosting and leading
FY2018 Work Program

ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE) TASK FORCE UPDATE

IDDE Field Guide
The updated 2018 IDDE Field Guide is now available. Communities who committed to participate in RSWMCC in FY18 receive 1 free copy; additional copies are $25.

The Industrial Inspectors Workshop took place April 6th at the Peterbilt facility in Denton. Guest speakers from TCEQ, City of Arlington, and City of Frisco attended, and Jeff Shiflet from City of Irving let the mock inspection. Peterbilt was a great partner and has offered to host future trainings.

Dry Weather Field Screening Training was held June 27th. Thank you to the City of Carrollton who hosted and the City of Arlington for conducting the training.
FY2018 Work Program

STORMWATER MONITORING PROGRAM UPDATE

- Conducted bio-assessments in Garland, Irving, and Plano
- Wet Weather Monitoring is ongoing
- Data available in October
County Stormwater Manager’s Roundtable

September 17, 2018
Attendees: Tarrant, Dallas, Ellis, Collin, Denton County

Topics of discussion:
1. General Permit, TXR040000, Small MS4s
2. TCEQ Audits, Investigations, and Visits
3. (SWMP) Minimum Control Measure Implementation
4. Permit Renewal Stormwater Management Program (SWMP) Development
NCTCOG Programs

OTHER ENVIRONMENT / DEVELOPMENT PROGRAMS UPDATE
NCTCOG Programs
OTHER ENVIRONMENT / DEVELOPMENT PROGRAMS UPDATE

Upcoming Projects and Resources:

Specifications and details for site development controls
• Convert 10 more iSWM Technical Manual schematics into construction standard details – in coordination with Public Works Council Standard Drawings Subcommittee

Provide additional detail and standards for proprietary devices
• Specifying the process and procedures for evaluation of proprietary device performance by communities.

More detail for maintenance and inspection
• Selecting most commonly used BMPs, research long standing applications/maintenance methods and how communities track maintenance/data/records/costs/methods to inform development of the guidance document.
• Include some best practices for developing and tracking maintenance and inspection in NCTCOG region. Could also evaluate some communities outside Texas for more long standing applications and processes.
• Workshop on BMP maintenance and inspection practices.
NCTCOG Programs

OTHER ENVIRONMENT / DEVELOPMENT PROGRAMS UPDATE

Green infrastructure
Low Impact Development
Local project examples and case studies needed!

www.iswm.nctcog.org
NCTCOG Programs

OTHER ENVIRONMENT / DEVELOPMENT PROGRAMS UPDATE

Wastewater & Treatment Education Roundtable

• Holiday Grease Roundup: November 26 – January 7

• WATER Point of Contact: Cassidy Campbell, ccampbell@nctcog.org.
NCTCOG Programs

OTHER ENVIRONMENT / DEVELOPMENT PROGRAMS UPDATE

✅ TMDL Water Quality

Change in TMDL Technical Subcommittee Meetings

- Stormwater Subcommittee: As needed
- Wastewater Subcommittee: As needed
- Coordination Forum Subcommittee: May 2019
- Coordination Committee: June 2019

Work Program

- Supplemental Environmental Programs Webinar
- Texas Stream Team - Riparian Bullseye Analysis
- Feral Hog Database
FY2019 Draft Work Program
FY2019 Work Program
PUBLIC EDUCATION TASK FORCE

FY19 Project: Social Media PSAs
• Short 30-second informational videos with animated graphics
  • Specific topics, scripts, and vendor TBD
• Work cooperatively with WATER group

FY19 Additional Project: Update Landscape Brochures
• Yard Waste Management for Landscaping Companies and Yard Waste Management For Homeowners brochures
• Both available in English and Spanish
• Content will stay mostly the same; format and visuals will get a facelift
Cooperative Purchase

- Reduced to 10 items (most popular purchases past few years) available for purchase.
- Printables will be available via PDF.
- Looking to implement a web-based digital order form in early November.
- We collected preferred vendors through our survey and we can make those available - may be especially useful for the items we are not going to go for bid or procure this year.
Online Training Modules
• NCTCOG staff will turn 1 or 2 of the video segments into an online training module
• Will be similar to the SSO and Potable Water Discharge modules
• Prioritized Segments are:
  • Streets and Drainage Maintenance
  • Fleet Maintenance and Material Handling
• Conversion of video segments will probably continue as the next FY project. Next priority is:
  • Construction Activities and Land Disturbance
FY2019 Work Program
ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE) TASK FORCE UPDATE

FY19 Project: Basic and Advanced Dry Weather Field Screening Training
FY19 Special Project: Create educational materials for automotive-related businesses
FY2019 Work Program

STORMWATER MONITORING PROGRAM UPDATE

• Monitoring entering second year of the permit term.

• LOAs for FY 2019 have been sent to the participating cities.

• NCTCOG and Atkins to begin drafting the annual report for FY 2018.

• NCTCOG communicating with program participants to gather stormwater BMP data.
Post-Construction Management Workshop

Proposed Agenda:
Why is it important?
   Long-term performance
   Aesthetics
   Etc.
What is involved?
   Methods
   Equipment
   Frequency
How do we program it?
   Documentation
   Tracking
   Implementation
Case Studies / Examples
   Irving
   Others
How much does it cost?

Partners:
• Construction EcoServices (Luke Stebbins, Anthony Kendrick)
• Halff Associates (iSWM Consultant)
• Dr. Fouad Jabber – AgriLife Extension Services
• Cities: Irving, Grand Prairie, Harris Co?

Date and Time:
• November
• Date TBD
• Full Day

Location:
• AgriLife Extension, Coit Rd, Dallas

www.nctcog.org
NCTCOG Environment & Development
Action Item: Post-Construction Stormwater Management Template

MODEL ORDINANCE FOR POST-CONSTRUCTION STORMWATER MANAGEMENT

Purpose: The North Central Texas Council of Government’s Regional Stormwater Management Coordinating Council has prepared and adopted the Model Ordinance for Post-construction Stormwater Management on XXXX. This document is intended to be used as a template for adopting new or revised provisions of local law to implement and enforce a post-construction stormwater program, as well as assisting in the fulfillment of the requirements set forth in the Texas Commission on Environmental Quality (TCEQ) Phase II MS4 General Permit (TXR040000) Minimum Control Measure (MCM) 4: Post-construction Stormwater Management in New Development and Redevelopment.

Disclaimer: This ordinance template was developed by cross-referencing and assembling existing language found consistently throughout local and state ordinances. Many cities in the North Central Texas and beyond use similar language to address post-construction stormwater management, but they vary greatly in organization, structure, and placement within the overall Code of Ordinances or Stormwater Design Manuals. All attributions here are made according to where the writers have encountered the phrasing or ideas conveyed, but this is not an exhaustive list of where such language may be found. This template is not a substitute for professional advice you would receive from an attorney and does not constitute legal advice or a legal opinion.

Note to users: Language in green is provided for optional use. Similar language was found in some ordinances but was not universal in post-construction ordinances and/or it goes beyond the basic TCEQ requirements. Instructions directly to the users of this ordinance, including spaces where the city is responsible for filling in the blanks, are in blue.

Additional resources to manage post-construction activities can be found here: XXXX

- Operations and Maintenance Plan Guidance
- Inspection Forms
- Referenced ordinances have been compiled and can be found here
- TCEQ Minimum Control Measure (MCM) 4: Post-construction Stormwater Management in New Development and Redevelopment

NCTCOG Regional Stormwater Program
May 2018
Action Item: FY2019 Draft Work Program

Do we have a motion to approve?
Roundtable Discussion

RSWMCC MEMBERS UPDATE

Now, It's YOUR Turn...
Upcoming Events and Conferences

Texas Commission on Environmental Quality (TCEQ)
October 9 - 11, 2018
Austin, Texas

The Autumn Environmental Conference and Expo combines the former Advanced Air Permitting and Water Quality/Stormwater Seminars and includes a one-day Waste Classification Workshop. This event provides engineers, environmental managers, consultants, and the regulated community updates on permitting rules, requirements, issues, and regulations.
STORMWATER POLLUTION PREVENTION PRACTICES UNDER CONSTRUCTION

TOPICS INCLUDE

- Erosion and Sedimentation theory
- Brief overview of regulatory requirements for construction sites
- Guidelines for municipal personnel performing inspections
- Learn common erosion and sediment control measures, factors that affect erosion and effects of costs.
- Learn proper installation and maintenance and types of BMPs
- Learn why construction is identified as a problem

OCTOBER 25TH
COME JOIN US!
Lunch Provided
This is a registration only event

600 SIX FLAGS DRIVE, fourth floor, ARLINGTON, TX 76011

Visit us at www.Northtexasfdi.org to Register

TDI is a department of the North Central Texas Council of Governments
RSMCC Meetings
UPCOMING MEETINGS

Pollution Prevention Task Force
October 3, 2018
4th Floor Conference Room

IDDE Task Force
December 20, 2018
William J. Pitstick Executive Board Room

PETF Task Force
October 24, 2018
4th Floor Conference Room

RSMCC
November 14, 2018
9:30 AM
William J. Pitstick Executive Board Room
Stormwater Staff

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