What’s New at DEQ?

Michael B. Moe
Municipal Discharge & Stormwater Permitting
Water Quality Division
Stormwater Permitting

- Issue/reissue general and individual permits
- Review NOIs, SWP3s, etc.
- Coordinate with EPA, permittees, and stakeholders with stormwater program implementation

Michael B. Moe
(405) 702-8208
Michael.moe@deq.ok.gov

MS4 Program
Michelle Chao
(405) 702-8112
Michelle.chao@deq.ok.gov
ms4permitting@deq.ok.gov

OKR10 Program
Ismat Esrar
(405) 702-8193
Ismat.esrar@deq.ok.gov

OKR05 Program
Magen Kegley
(405) 702-8148
Magen.kegley@deq.ok.gov
Industrial Stormwater

- Industrial stormwater inspection/enforcement
  - Industrial stormwater complaints
- Industrial stormwater outreach (as requested)

Wayne T. Craney
(405) 702-8139
Wayne.craney@deq.ok.gov
Industrial Wastewater and Industrial Stormwater Inspection & Enforcement Section

District Assignments

September 1, 2019

Brandon Tyler: 136
Steve Reid: 140
Zachary Miller: 135

Engineer/Representative
Wayne T. Craney, PE 8139
Zachary Miller, EI 8250
Jason Ma, PE 8126
Steve Reid, EI 8137
Brandon Tyler, EI 8215
Anthony Hamilton, EI 8129
Maggie Schemmer 8119

Unit Clerk

All numbers: (405) 702-XXXX unless otherwise noted
Construction (and MS4) Stormwater

• Construction stormwater inspection/enforcement
  – Construction stormwater complaint inspections
• Construction stormwater outreach (as requested)
• MS4 evaluations, annual report review, etc.
  – More this afternoon....

  Brian Clagg?
  (405) 702-8118
  Brian.clagg@deq.ok.gov
Construction Stormwater Inspection & Enforcement Section

District Assignments
September 1, 2019

John R. Brown III

Engineer/Representative

Brian F. Clagg, PE 8118

Maggie Schemmer 8119

Unit Clerk

Jordan Hultgren

All numbers: (405) 702-XXXX unless otherwise noted
Permitting Updates

• Individual permits (Oklahoma City, Tulsa, ODOT):
  – Draft permits pending final TMDL language generated from OR04
Permitting Updates

• OKR04:
  – Sent to EPA on June 11, 2020
  – EPA has 90 days to review/comment (September 9, 2020)
  – DEQ will respond to comments (if any)
  – DEQ will provide 30 day public comment period on final draft

• Draft permit and factsheet can be viewed at: https://www.deq.ok.gov/water-quality-division/wastewater-stormwater/stormwater-permitting/okr04-municipal-stormwater/
OKR04 Overview

Michelle Chao
Municipal Discharge & Stormwater Permitting
Water Quality Division
Agenda

• Proposed changes:
  – General changes, MCMs, TMDL language
  – Changes/additions are underlined
  – Not all grammatical revisions are included

• Next steps?
Part I.

• Now ‘Definitions and Acronyms’
• Definitions for MS4 and municipal separate storm sewer system have been combined under MS4
• Shortened definition of stabilization
Part I.

• Added definition for:
  – aquatic resource of concern (ARC),
  – large common plan of development or sale,
  – pollutant of concern (POC),
  – quality assurance project plan (QAPP),
  – urbanized area (UA), and
  – wasteload allocation (WLA)
Part II. Coverage Under This Permit

- II.A Eligibility
  - Language is simplified and citations referenced in footnote

1. Small MS4s fully or partially located within an UA, as determined by the most recent Decennial Census by the U.S. Bureau of Census.

2. Small MS4s located outside of an UA with a population greater than or equal to (≥) 10,000 but less than or equal to (≤) 100,000 with a population density greater than or equal to (≥) 1,000/square mile or more, as determined by the most recent Decennial Census by the U.S. Bureau of Census.

3. Designated MS4s contributing substantial pollutant loads to a regulated MS4 through interconnections.

4. Designated MS4s determined by the Director to be applicable.
Part II. Coverage Under This Permit

• II.B.2 Authorized Non-Stormwater Discharges
  – List has been reorganized/regrouped
  – Additional language added
<table>
<thead>
<tr>
<th>CURRENT OKR04</th>
<th>PROPOSED LANGUAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>d. Rising ground waters</td>
<td>c. <strong>Uncontaminated</strong> groundwater and spring water</td>
</tr>
<tr>
<td>l. Springs</td>
<td></td>
</tr>
<tr>
<td>e. Residential building wash water without detergents</td>
<td>d. Residential building wash water <strong>that does not use detergents, solvents, and/or soaps</strong>;</td>
</tr>
<tr>
<td>a. Water line flushing</td>
<td>g. <strong>Uncontaminated</strong> discharges from potable water sources; including water line flushing and fire hydrant flushing</td>
</tr>
<tr>
<td>h. Discharges from potable water sources</td>
<td></td>
</tr>
<tr>
<td>s. Fire hydrant flushing</td>
<td></td>
</tr>
<tr>
<td>q. De-chlorinated swimming pool discharges</td>
<td>n. <strong>Uncontaminated and de-chlorinated</strong> swimming pool discharges</td>
</tr>
<tr>
<td>p. Individual residential car washing</td>
<td>l. Residential, non-commercial, or charity car washing</td>
</tr>
<tr>
<td>t. Non-commercial or charity car washes</td>
<td></td>
</tr>
<tr>
<td>k. Irrigation water</td>
<td>m. Landscape irrigation and lawn watering, <strong>provided all pesticides, herbicides, and fertilizers have been applied in accordance with the approved manufacturers’ instructions and/or labeling</strong></td>
</tr>
<tr>
<td>o. Lawn watering</td>
<td></td>
</tr>
<tr>
<td>r. Street wash water</td>
<td>o. Street wash water, <strong>including wash water generated from the washing of other impervious surfaces such as sidewalks and parking lots, that does not use detergents, solvents, and/or soaps</strong>.</td>
</tr>
</tbody>
</table>
II.B.2. Authorized Non-Stormwater Discharges

r. Discharges or flows from emergency firefighting activities or training activities that are not taking place at a permanent facility, provided procedures are in place for the Incident Commander, Fire Chief, or other on-scene firefighting official in charge to make an evaluation regarding potential releases of pollutants from the scene.

i. Measures must be taken to reduce any such pollutant releases to the MEP subject to all appropriate actions necessary to ensure public health and safety.

ii. These procedures must be documented in your SWMP.

iii. These discharges must be in compliance with Part IV.
II.B.2. Authorized Non-Stormwater Discharges

3. Non-stormwater discharges are authorized only under the following conditions:
   a. Discharges are insignificant sources of pollutants to your small MS4 because of the nature of the discharges or because of the conditions you have established for allowing these discharges to occur (e.g., charity car washes with appropriate controls, proximity to sensitive waterbodies).
   b. Document in your SWMP any local controls or conditions placed on discharges.
   c. Include a provision in your SWMP prohibiting any individual non-stormwater discharge that is determined to be contributing significant amounts of pollutants to your MS4.

Language taken from Part IV.C.3.a.(7) (IDDE) of current OKR04
8. Discharges of material resulting from a spill. If discharges from a spill are necessary to prevent imminent threat to human life, personal injury, or severe property damage, the permittees have the responsibility to ensure the party responsible for the spill takes reasonable and prudent measures to minimize the impact of discharges on human health and the environment. These responsibilities may be in the form of a spill prevention and response plan or through implementation and legal enforcement of other BMPs developed to satisfy the MCMs.

Language taken from Part D.5 of current OKR04 factsheet
Part III. Authorization Under This Permit

• Part I.F Obtaining Authorization is now Part III.A. Obtaining Authorization:
  – Language has been simplified

• Removed: Part II.B. Contents of the Notice of Intent

• Part III.B. Categories of Small MS4s
  – MS4s have been divided into 3 categories (next slides)
Part III.B. Categories of Small MS4s

This permit divides small MS4s into categories based on population as determined by the most recent Decennial Census by the U.S. Bureau of Census.

1. Category 1 small MS4s serve a population less than (<) 10,000 within an UA, unless otherwise specified.

2. Category 2 small MS4s serve a population greater than or equal to (≥) 10,000, but less than (<) 50,000, within an UA, or a population greater than or equal to (≥) 10,000 but less than or equal to (≤) 100,000 with a population density greater than or equal to (≥) 1,000/square mile or more located outside of an UA.

3. Category 3 small MS4s serve a population greater than or equal to (≥) 50,000 within an UA.
Category 1 (22)

- Arkoma
- Catoosa
- Choctaw
- Coweta
- Comanche County
- Creek County
- Fort Sill Army Base
- Glenpool
- Harrah
- Jones City
- Kiefer
- Logan County
- Nichols Hills
- Nicoma Park
- Noble
- Oklahoma County
- Oklahoma Turnpike Authority
- Rogers County
- Spencer
- The Village
- Tulsa County
- Wagoner County
Category 2 (24)

- Altus
- Bartlesville
- Bethany
- Bixby
- Claremore
- Del City
- Guymon
- Jenks
- McAlester
- Miami
- Muskogee
- Mustang
- Okmulgee
- Owasso
- Ponca City
- Sand Springs
- Sapulpa
- Stillwater
- Tahlequah
- Tinker Air Force Base
- University of Oklahoma
- Warr Acres
- Weatherford
- Yukon
Category 3 (6)

- Broken Arrow
- Edmond
- Lawton
- Midwest City
- Moore
- Norman
Part III. Authorization Under This Permit

• Part III.3. Terminating Coverage
  – Revised language to match existing process for OKR10 and OKR05

• Part III.F. Where to Submit
  – Updated language to reflect e-Reporting Rule

All documents shall be submitted in accordance with all state and Federal reporting requirements.
Part IV. Special Conditions and Compliance with Water Quality Standards

• Part III.A. Compliance with Water Quality Standards now IV.A. Discharges to Impaired Waters

• TMDL language will be discussed at the end
Part V. SWMP

• Part V.A. Renewal Permittees: You must review your SWMP and, if necessary, revise and update existing, and/or develop new BMPs and measurable goals in your SWMP, as needed, to meet the requirements of this Permit, or as required by the Director to ensure compliance with the CWA. Modifications and updates shall be reflected in your SWMP and implemented within one (1) to two (2) years of the effective date of this Permit, then as needed.
Part V. SWMP

Part V.A.4. Measurable Goals for BMPs: You must list and define measurable goals for BMPs that you, or another entity, will be implementing for each of the stormwater MCMs listed in Part V(C) and provide an explanation for how and why you selected each BMP and measurable goal for your SWMP. For each BMP, you must

a. Include measurable goals;

b. Identify the target audience(s) or participant(s);

c. Include the months and years in which you will undertake required actions, including interim milestones and the frequencies of the actions; and

d. Identify who will be responsible for implementing or coordinating the BMPs for your SWMP.
Part VI: Monitoring, Record Keeping, and Reporting

• Part VI.C. Annual Reports:
If you implement your SWMP on a calendar year basis (from January 1st through December 31st), you must submit your compliance report by April 30th of the calendar year following the reporting period. If you implement your SWMP on a fiscal year basis (from July 1st through June 30th), you must submit your annual report by October 31st of the fiscal year following the reporting period.
Part IV.C. Annual Reports

Part IV.C.2. If the optional permit requirement for municipal construction activities is elected, you must also include a progress report concerning the elected optional permit requirements. At a minimum this must include:

a. The number of your active construction sites that are currently covered under the elected optional permit requirement;

b. The number of construction projects that were started during the reporting period;

c. The number of construction projects that were completed during the reporting period; and

d. The number of construction sites that were covered under the elected optional permit requirement that have reached final stabilization.

e. The number of inspections that were conducted.
Part IV.C. Annual Reports

• Part VI.A.4 and Part VI.B.2: updated to reflect e-reporting
• Part VI.C.3. Submit your report to the address, fax, or e-mail specified in Part III.F.
Part VII. And Exhibits

• Part VII. Standard Permit Conditions
  – No change

• Exhibits:
  – Exhibit 1: endangered and threatened species and their critical habitat of concern
    • No change at this time
## Exhibit II: MCM Summary

### Table 2-1 MCM Summary

<table>
<thead>
<tr>
<th>General requirements</th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MCM I</strong></td>
<td>Implement and enforce a program to distribute information and promote behavior change to reduce pollutants in stormwater discharges to your MS4:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Education and involvement efforts shall identify an appropriate target audience</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) In coordination with MCM 2</td>
<td>-Implement an education and involvement program for local industries, and</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-Conduct staff training.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) In coordination with MCM 3</td>
<td>-Implement an education and involvement program for public employees, business, and the general public;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-Promote, publicize and facilitate the reporting of illicit discharges; and</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-Conduct staff training.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) In coordination with MCM 4</td>
<td>-Implement an education and involvement program for the local development community,</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-Implement and enforce procedures for the receipt and consideration of information submitted by the public, and</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-Conduct staff training.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) In coordination with MCM 5</td>
<td>-Implement an education and involvement program for developers and the public.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6) In coordination with MCM 6</td>
<td>-Conduct staff training.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7) Include a process to receive and review public comments on your SWMP.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8) Comply with state and local public notice requirements when implementing your program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9) Make your records, including the NOI and SWMP, available to the public.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10) If you discharge to waters identified on the 303(d) list of impaired waters, your program must be directed toward entities likely to have a significant stormwater impact on those impaired waters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public education activities</td>
<td>2 activities per year</td>
<td>4 activities per year</td>
<td>4 activities per year</td>
</tr>
<tr>
<td>Public involvement activities</td>
<td>1 activity per year</td>
<td>2 activities per year</td>
<td>2 activities per year</td>
</tr>
</tbody>
</table>
Exhibit III: NOI

• Reformatted to reflect OKR10 and OKR05 NOIs
  – Receiving water information
• Requesting additional contact for MS4 permit fee billing
• Instructions now included on page 3
• Required attachments
• Reporting period for annual report
**Notice of Intent**

**I. MS4 Information**

<table>
<thead>
<tr>
<th>Name of MS4:</th>
<th>Legal status of MS4:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□ Federal</td>
</tr>
<tr>
<td></td>
<td>□ Municipal</td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td></td>
</tr>
<tr>
<td>Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Latitude:</td>
<td></td>
</tr>
<tr>
<td>Longitude:</td>
<td></td>
</tr>
<tr>
<td>Approximate Area:</td>
<td></td>
</tr>
</tbody>
</table>

**II. MS4 Contact Information**

<table>
<thead>
<tr>
<th>Responsible Party:</th>
<th>Title:</th>
<th>Email:</th>
<th>Phone:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td>City:</td>
<td>St:</td>
<td></td>
</tr>
<tr>
<td>Stormwater Program Manager:</td>
<td>Name:</td>
<td>Email:</td>
<td>Phone:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permit Fee Billing Contact:</td>
<td>Name:</td>
<td>Email:</td>
<td>Phone:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**III. Co-Permittee Information**

<table>
<thead>
<tr>
<th>Are you co-permitting with another entity?</th>
<th>□ No</th>
<th>□ Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Permittee:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legal status of Co-Permittee:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Federal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zip Code:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latitude:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Longitude:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stormwater Program Manager:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Title:</td>
<td></td>
<td>Email:</td>
</tr>
<tr>
<td>Phone:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IV. Receiving Water Information**

<table>
<thead>
<tr>
<th>Name of Receiving Waterbody:</th>
<th>Is this waterbody impaired?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>□ Yes</td>
</tr>
<tr>
<td></td>
<td>□ Yes</td>
</tr>
<tr>
<td></td>
<td>□ Yes</td>
</tr>
</tbody>
</table>

**V. Endangered Species Eligibility**

a. □ My MS4 is not located within any of the corridors of federal- and state-identified Aquatic Resources of Concern (ARC).

b. □ Informal consultation with the USFWS, or a separate federal action, has addressed the effects of stormwater discharges from my MS4, and has resulted in a “no jeopardy” opinion or written concurrence that discharges are not likely to adversely affect any listed species or critical habitat.

c. □ My MS4 is authorized under section 10 of the Endangered Species Act (ESA) and a copy of the authorization is attached.

d. □ The discharges from my MS4 are not likely to adversely affect any listed species or critical habitat.

e. □ My MS4 is relying on another permittee’s certification of eligibility and agrees to comply with the conditions of that certification.

**VI. Optional Minimum Control Measure (MCM)**

Will your MS4 utilize MCM 7 for municipal construction activities? □ No □ Yes

**VII. Required Attachments**

- □ An updated map showing your MS4 boundaries
- □ Authorization under section 10 of the ESA or □ NA
- □ Application and permit fee or □ Invoice is needed for application and permit fee

**VIII. Reporting Period for Annual Report**

Will your MS4 report based on: □ Calendar year (January-December) or □ Fiscal year (July-June)

**IX. Certification**

I certify under penalty of law that all stormwater discharges from the identified MS4 that are authorized by an OPDES general permit have been eliminated, or that I am no longer the operator of the MS4, or that I have ceased operations at the MS4. I understand that by submitting this Notice of Termination I am no longer authorized to discharge stormwater under this permit, and that discharging pollutants in stormwater in waters of the state is unlawful under the Clean Water Act and 33CFR 138.25 as well as the Oklahoma Pollution Discharge Elimination Act.

<table>
<thead>
<tr>
<th>Print Name:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature:</td>
<td></td>
</tr>
</tbody>
</table>

Certification of Co-Permittee (if applicable)

<table>
<thead>
<tr>
<th>Print Name:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature:</td>
<td></td>
</tr>
</tbody>
</table>
Exhibit IV: NOT

- Reformatted to reflect OKR10 and OKR05 NOIs
MCM 1: Public Education and Involvement
MCM 1: Public Education and Involvement

• Previously MCM 1: Public Education and Outreach and MCM 2: Public Participation and Involvement

• Now MCM 1: Public Education and Involvement
MCM 1: Public Education and Involvement

Public education and involvement activities may include those listed in Table V-1.

<table>
<thead>
<tr>
<th>Public Education Activities</th>
<th>Public Involvement Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Brochures/pamphlets</td>
<td>- Waterway/watershed clean-up or trash removal event</td>
</tr>
<tr>
<td>- Displays/posters/kiosks</td>
<td>- Contests</td>
</tr>
<tr>
<td>- Local public service announcements</td>
<td>- Household hazardous waste collection event</td>
</tr>
<tr>
<td>- Newspaper articles/press releases</td>
<td>- Involvement in development of MS4 SWMP</td>
</tr>
<tr>
<td>- Publication of MS4 annual report, SWMP, or ordinances</td>
<td>- Meetings (e.g. public hearing, council meeting, citizen committee meeting, etc.)</td>
</tr>
<tr>
<td>- Signage</td>
<td>- School programs</td>
</tr>
<tr>
<td>- Storm drain markings</td>
<td>- Special events/fairs</td>
</tr>
<tr>
<td>- Utility bill insert or other mailing</td>
<td>- Targeted group training</td>
</tr>
<tr>
<td>- Videos</td>
<td>- Volunteer event</td>
</tr>
<tr>
<td>- Website</td>
<td>- Water monitoring event</td>
</tr>
<tr>
<td></td>
<td>- Workshop</td>
</tr>
</tbody>
</table>
V.C.1.a.ii(1) in coordination with MCM 2

Industrial Stormwater Runoff Control

- Implement an education program to involve local industries, and
- Conduct staff training to address requirements for inspection and enforcement of BMPs such as minimizing exposure, good housekeeping, preventive maintenance, spill prevention and response, and erosion and sediment controls at industrial facilities.

Category 3 MS4s only
V.C.1.a.ii(2) in coordination with MCM 3
Illicit Discharge Detection and Elimination

- Taken from previous Part IV.C.3.a.(6):
  - implement an education program to involve public employees, businesses, and the general public make them aware of hazards associated with illegal discharges and improper disposal of waste;
  - promote, publicize and facilitate the reporting of illicit discharges; and
  - conduct staff training to identify and report illicit discharges.
V.C.1.a.ii.(3) in coordination with MCM 4
Construction Site Stormwater Runoff Control

• Taken from previous Part IV.C.4.a.:
  – implement an education program to involve local developers,
  – implement and enforce procedures for receipt and consideration of information submitted by the public, and
  – conduct staff training to address requirements for inspection and enforcement of erosion and sediment control measures once construction begins.
V.C.1.a.ii.(4) in coordination with MCM 5

Post-Construction Management in New Development and Redevelopment

• **Taken from previous Part IV.C.5.a.(5):**
  – Implement an education program to involve developers and the public and make them aware of project designs that minimize water quality impacts, including LID strategies.
V.C.1.a.ii.(5) in coordination with MCM 6
Pollution Prevention/Good Housekeeping for MS4 Operations

• Taken from previous Part IV.C.5.a.(2):
  – Conduct staff training to prevent and reduce stormwater pollution from MS4 activities.
MCM 1: Public Education and Involvement

At a minimum, public education and involvement activities shall be conducted as outlined in Table V-2.
<table>
<thead>
<tr>
<th></th>
<th>COORDINATING MCM AND DESCRIPTION</th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Education</td>
<td>2 activities per year</td>
<td>4 activities per year</td>
<td>4 activities per year</td>
</tr>
<tr>
<td></td>
<td>Public Involvement</td>
<td>1 activity per year</td>
<td>2 activities per year</td>
<td>2 activities per year</td>
</tr>
<tr>
<td>2</td>
<td>Outreach or educational activity for industrial runoff</td>
<td>-</td>
<td>-</td>
<td>Once every two years</td>
</tr>
<tr>
<td></td>
<td>Staff training</td>
<td>-</td>
<td>-</td>
<td>Once every two years</td>
</tr>
<tr>
<td>3</td>
<td>Outreach or educational activity for illicit discharge</td>
<td>Once every two years</td>
<td>Once per year</td>
<td>Once per year</td>
</tr>
<tr>
<td></td>
<td>Staff training</td>
<td>Once every two years</td>
<td>One per year</td>
<td>Once per year</td>
</tr>
<tr>
<td>4</td>
<td>Outreach or educational activity for construction runoff</td>
<td>Once every two years</td>
<td>Once per year</td>
<td>Once per year</td>
</tr>
<tr>
<td></td>
<td>Staff training</td>
<td>Once every two years</td>
<td>One per year</td>
<td>Once per year</td>
</tr>
<tr>
<td>5</td>
<td>Public education for post-construction runoff</td>
<td>Once every two years</td>
<td>Once per year</td>
<td>Once per year</td>
</tr>
<tr>
<td>6</td>
<td>Staff training</td>
<td>Once every two years</td>
<td>One per year</td>
<td>Once per year</td>
</tr>
</tbody>
</table>
MCM 1: Public Education and Involvement

• V.C.1.a.v You must make your records, including the NOI and the description of the SWMP, available to the public.
  – Repeated from Part V.A.

• V.C.1.a.vi If you discharge to waters identified on the latest CWA § 303(d) list of impaired waters, your program must be directed toward targeted groups of commercial, industrial and institutional entities likely to have significant stormwater impacts on your impaired waters.
  – Repeated from Part IV.B.2.
MCM 2: Industrial Stormwater Runoff Control
MCM 2: Industrial Stormwater Runoff Control

• Applies to Category 3 MS4s only:
  1) Maintain and update list of OKR05 facilities (non-MS4 owned)
  2) Implement and enforce ordinances
  3) Implement and enforce procedures for site inspection

<table>
<thead>
<tr>
<th>Number of facilities within MS4 boundaries</th>
<th>Number of Facilities Inspected</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 50</td>
<td>20% per year(^1)</td>
</tr>
<tr>
<td>≥ 50</td>
<td>10 per year</td>
</tr>
</tbody>
</table>

\(^1\) The number of facilities inspected shall be rounded up to the nearest integer.
MCM 2: Industrial Stormwater Runoff Control

• For example, a Category 3 MS4 with:
  – 75 industrial facilities will conduct 10 inspections per year
  – 30 industrial facilities will conduct 6 inspections per year (30 x 0.2)
MCM 3: Illicit Discharge Detection and Elimination
MCM 3: Illicit Discharge Detection and Elimination

• Previous Part IV.C.3.a.(2) now Part V.C.a.: At a minimum, your program must include procedures to:

  i. Identify priority areas which includes areas with higher likelihood of illicit connections or discharges (e.g., areas with older sanitary sewer lines or with a history of sewer overflows or cross-connections; areas with older infrastructure that are more likely to have illicit connections; areas of industrial, commercial, or mixed use; areas with a history of past illicit discharges; areas with a history of illegal dumping or citizen complaints; and areas that discharge to ARCs or ORWs). Update this priority area list to reflect changing priorities annually;

  ii. Trace or investigate the source of an illicit discharge. The investigation shall take place within 72 hours of the receipt of any complaints, reports or monitoring information that indicates a potential illicit discharge.
**Dry Weather Field Screening (DWFS)**

At a minimum, DWFS shall be conducted at the frequency outlined in Table V-4:

<table>
<thead>
<tr>
<th></th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWFS at all identified outfalls</td>
<td>20% per year(^1)</td>
<td>40% per year(^1)</td>
<td>40% per year(^1)</td>
</tr>
<tr>
<td>DWFS at high priority areas</td>
<td>Once per year</td>
<td>One per year</td>
<td>Once per year</td>
</tr>
</tbody>
</table>

\(^1\) The number of facilities inspected shall be rounded up to the nearest integer.
MCM 4: Construction Site Stormwater Runoff Control
MCM 4: Construction Site Stormwater Runoff Control

• At a minimum, the program requirements shall be consistent with the OKR10 General Permit for Stormwater Discharges from Construction Activities (OKR10).
MCM 4: Construction Site Stormwater Runoff Control

At a minimum, site inspections shall be conducted at the frequencies outlined in table V-5:

1 You may implement procedures and criteria to reduce the inspection frequency; however, at a minimum sites shall be inspected at least once during active construction.

<table>
<thead>
<tr>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sites that greater than 40 acres</td>
<td>Once per quarter</td>
<td>Once per month</td>
</tr>
<tr>
<td>Sites that discharge to a waterbody that is identified as impaired</td>
<td>Once per quarter</td>
<td>Once per month</td>
</tr>
<tr>
<td>Sites that discharge to a waterbody with an established TMDL</td>
<td>Once per quarter</td>
<td>Once per month</td>
</tr>
<tr>
<td>Sites that have been identified as a threat to water quality (i.e. sites with recalcitrant or repeat offenders)</td>
<td>Once per quarter</td>
<td>Once per month</td>
</tr>
<tr>
<td>All other sites</td>
<td>At least once during active construction</td>
<td>Once per quarter^1</td>
</tr>
</tbody>
</table>
MCM 5: Post-Construction Management in New Development and Redevelopment
MCM 5: Post-Construction

Previous Part IV.C.5.a.(1) and (2) now Part V.C.5.a.i.: Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under State or local law, to require the use of BMPs, with highest preference given to LID techniques and practices, to address post-construction
MCM 5: Post-Construction

Previous Part IV.C.5.a.(4) now Part V.C.a.ii.: Implement and enforce procedures, such as ordinances or other regulatory mechanisms, to ensure adequate long-term operation and maintenance of BMPs that are installed during and left in place after the completion of a construction project. Maintenance may be conducted by the MS4 or by the owner/operator of the BMP(s). For this part, the owner/operator is the party with control over operational and maintenance activities of the BMP(s), including home owner associations (HOAs), commercial and industrial entities. Owners of individual residential properties, which serve as the owner’s primary residence, may be excluded.
MCM 5: Post-Construction

Previous Part IV.C.5.a.(4) now Part V.C.a.iii.:  
Review local ordinances, regulations, and engineering plans or specifications to identify any legal/regulatory barriers to LID as well as opportunities to promote LID. Develop a schedule to remove those barriers and implement identified opportunities. If a barrier is not removed or an opportunity is not implemented, provide a justification. You may use the EPA Water Quality Scorecard as a guide. You can download the document from the following EPA website: https://www.epa.gov/sites/production/files/2014-04/documents/water-qualityscorecard.pdf
MCM 5: Post-Construction

• Part V.C.5.a.iv.:

Assess current street design, parking lot guidelines, and other requirements that affect the creation of impervious cover and implement additional guidelines or design standards to support LID design options. Provide a justification if additional guidelines are not implemented.
MCM 6: Pollution Prevention/Good Housekeeping for MS4 Operations
MCM 6: P2/Good Housekeeping

Part V.C.6.a.iii:

1) **Require implementation of BMPs**, including sediment and erosion controls during
   a) **routine maintenance**, 
   b) **water line breaks and emergency repairs**, and 
   c) **after line breaks, emergency repairs, and routine maintenance have been completed**. Stabilization measures shall be implemented within fourteen (14) calendar days of completion.

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8 Ensure appropriate actions are taken that may be necessary to ensure public health and safety.

9 Complete the installation of stabilization measures as soon as practicable, but no later than 14 calendar days after stabilization measures have been initiated or 7 calendar days if you discharge to an impaired waterbody, ORW or ARC.
MCM 6: P2/Good Housekeeping

Part V.C.6.a.iii:

2) Ensure that vehicle wash waters are not discharged into the MS4 or waters of the state. (previously Part IV.C.6.b.(3))
MCM 6: P2/Good Housekeeping

Part V.C.5.a.v.: Contractor requirements and oversee:

v. Any contractors hired to perform maintenance activities on MS4 facilities must be contractually required to comply with all of your stormwater control measures, good housekeeping practices and facility-specific stormwater management operating procedures. The MS4 shall provide oversight to ensure these contractual obligations are met.
MCM 6: P2/Good Housekeeping

- At a minimum, inspections shall be conducted at the frequencies outlined in Table V-6:

<table>
<thead>
<tr>
<th></th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site inspections at MS4</td>
<td>Once per quarter</td>
<td>Once per quarter</td>
<td>Once per quarter</td>
</tr>
<tr>
<td>facilities subject to the</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OKR05 or individual OPDES or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPDES permit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site inspections at other</td>
<td>Once per year</td>
<td>Once per year</td>
<td>Once per year</td>
</tr>
<tr>
<td>MS4 facilities impacted by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>this program</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Part VIII. Optional MCM 7

If this optional provision is elected you must comply with the following:

1. Maintain compliance with the terms and conditions of the most recent OKR10 General Permit for Stormwater Discharges from Construction Activities (OKR10), excluding NOI, NOT, and permit fee submittal requirements.

2. Update your SWMP to include a:
   a. Description of how construction activities will generally be conducted by the small MS4. Local conditions and other site specific considerations must be included in the description;
   b. Description of how the small MS4 will implement the technology-based requirements to comply with Effluent Limitation Guidelines and Standards for the Construction and Development Point Source Category (ELGs) under Part 450 of 40 C.F.R., Effective February 1, 2010, in Part VIII.B.3 of this Permit the OKR10 permit;
   c. Description of how the small MS4 will ensure that the SWP3 requirements are properly implemented and maintained at the construction site; or how the small MS4 will ensure that the contractors obtain a separate authorization for stormwater discharges from DEQ for each project; and
   d. General Stormwater Pollution Prevention Plan (SWP3) conditions and a procedure to include site specific BMPs to account for local considerations.
Part IV.B Established TMDL Allocations

1. SWMP review and modification
2. TMDL pollutant reduction plan
3. TMDL pollutant monitoring plan
4. TMDL baseline monitoring plan (optional)
5. Monitoring requirements
6. Annual reporting
7. TMDL Implementation Schedule
Part IV.B.1. SWMP Review and Modification

You must evaluate existing SWMP in relation to TMDL reduction goals. Any modifications shall be implemented within 2 years and then as needed. Include the following:

- List of approved TMDLs applicable to your MS4 and the assigned WLA
- Identify potential sources of the POC
- Identify opportunities to address the POC and implement those changes. Provide a justification for any changes not implemented.
- At a minimum, the following SWMP components should address the POC:
  - Public education
  - IDDE/DWFS
  - Ordinances or other regulatory mechanisms, including enforcement procedures
Part IV.B.2. TMDL Pollutant Reduction Plan

Your MS4 shall develop, or participate in a regional, pollutant reduction plan. At a minimum, the plan shall provide the following items:

• List of BMPs, including alternative BMPs, to be used in order to meet the requirements of the TMDL, watershed plan, and/or associated implementation plan.
• Annual evaluation of those BMPs
• If a BMP is not effective, an alternative BMP should be implemented within 3 years
• Compliance schedule for each TMDL which specifies annual pollutant load reduction, including interim milestones
• If you achieve compliance with the WLA, you must continue to implement BMPs equivalent to those in effect at the time of compliance.
Part IV.B.3. TMDL Pollutant Monitoring Plan

Your MS4 shall participate in a coordinated regional pollutant monitoring plan or develop their own individual plan. The plan should be designed to

• establish the effectiveness of the selected BMPs and
• demonstrate progress toward achieving the reduction goals of the TMDL(s) and eventual attainment of water quality standards.
Part IV.B.4. TMDL Baseline Monitoring Plan (Optional)

Your MS4 may participate in a coordinated regional baseline monitoring plan or develop their own individual plan. The plan should be designed to

- determine the existing levels of POCs in your MS4’s discharge(s) and
- identify high priority areas which may benefit from targeted BMPs.
Part IV.B.5. Monitoring Requirements

At a minimum, the monitoring plan(s) shall provide

• a detailed description of the program goals, monitoring plan, and sampling and analytical methods,
• a list and map of the monitoring sites,
• the frequency of data collection,
• the parameters to be measured, and
• the Quality Assurance Project Plan that complies with EPA requirements.
Part IV.B.6. Annual Reporting

Your MS4 shall include a TMDL implementation report as part of your annual report. The TMDL implementation report shall include the status and actions taken to implement the TMDL pollutant reduction plan and monitoring program. The TMDL implementation report shall provide

- any relevant actions taken by the permittee,
- the status of any applicable TMDL implementation schedule milestones,
- an evaluation of the effectiveness of the pollutant reduction plan and monitoring program,
- an evaluation of the permittee’s pollutant load contributions, reductions, and progress toward meeting any reduction goals established in the TMDLs,
- an evaluation of the implemented BMPs, and
- a summary of any revisions made to address applicable new or revised TMDLs or watershed plans that are approved after the effective date of this permit.
### Part IV.B.7. TMDL Implementation Schedule

<table>
<thead>
<tr>
<th></th>
<th>Option A</th>
<th>Option B</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWMP review and evaluation</td>
<td>no more than two years from TMDL effective date</td>
<td>no more than three years from TMDL effective date</td>
</tr>
<tr>
<td>TMDL pollutant baseline monitoring plan</td>
<td>--</td>
<td>no more than three years from TMDL effective date</td>
</tr>
<tr>
<td>TMDL pollutant reduction plan</td>
<td>no more than three years from TMDL effective date</td>
<td>no more than 5 years after implementation of the baseline monitoring plan</td>
</tr>
<tr>
<td>TMDL pollutant monitoring plan</td>
<td>no more than three years from TMDL effective date</td>
<td>no more than 5 years after implementation of the baseline monitoring plan</td>
</tr>
<tr>
<td>Watershed Basin</td>
<td>TMDL Report</td>
<td>Identified MS4 Sources</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td><strong>Basin 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Middle Arkansas-Verdigris-Neosho</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neosho River Basin Bacteria TMDLs-2008</td>
<td>Miami</td>
</tr>
<tr>
<td></td>
<td>Lower Bird Creek Watershed Bacteria TMDLs-2011</td>
<td>Catoosa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Broken Arrow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Owasso</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tulsa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tulsa County</td>
</tr>
<tr>
<td></td>
<td>Arkansas River and Verdigris River Area-Bacteria and Turbidity TMDLs-2012</td>
<td>Bixby</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Broken Arrow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Claremore</td>
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<tr>
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<td>Jenks</td>
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<td>Muskogee</td>
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<td></td>
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<td>Sand Springs</td>
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<td></td>
<td>Sapulpa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tulsa</td>
</tr>
<tr>
<td></td>
<td>Arkansas River and Haikey Creek Bacteria TMDLs-2008</td>
<td>Bixby</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Broken Arrow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tulsa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tulsa County</td>
</tr>
<tr>
<td>Watershed Basin</td>
<td>TMDL Report</td>
<td>Identified MS4 Sources</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------------------------------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Basin 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canadian-North</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canadian-Deep Fork</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>North Canadian River</strong></td>
<td><em>Area Bacteria TMLDs-2010</em></td>
<td>Choctaw Del City Midwest City Moore Mustang Nicoma Park Oklahoma City Oklahoma County Spencer Yukon</td>
</tr>
<tr>
<td><strong>Lake Thunderbird</strong></td>
<td><em>Nutrient, Turbidity, and Dissolved Oxygen TMDLs-2013</em></td>
<td>Moore Norman Oklahoma City</td>
</tr>
<tr>
<td><strong>Basin 6</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cimarron-Upper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arkansas</td>
<td><strong>Cimarron River Area Bacteria and Turbidity TMDLs-2012</strong></td>
<td>Oklahoma City (with ODOT as copermittee) The Village</td>
</tr>
<tr>
<td><strong>Salt Fork of the Arkansas</strong></td>
<td><strong>River Area Bacteria and Turbidity TMDLs-2011</strong></td>
<td>Ponca City</td>
</tr>
</tbody>
</table>
Next Steps?

- OKR04 draft permit and factsheet sent to EPA on June 11, 2020
- EPA has 90 days to review/comment (September 9, 2020)
- DEQ will respond to EPA comments (if any)
- DEQ will provide 30 day public comment period on final draft
Next Steps?

• Annual report template
  – Not a requirement at this time
  – Excel based
  – Will likely be used as the template for the e-reporting system
  – Workshops will be scheduled for fall 2020 for feedback
Next Steps?

• TMDL implementation
  – Workshop(s) will be scheduled for winter 2020 for feedback
  – Guidance document
  – Fact sheets:
    • TMDL implementation
    • WQ and bacteria
    • Bacteria sources
    • Monitoring
Next Steps?

• DEQ Microsoft Team
  – Will be used to host virtual meetings, share documents, reminders, and encourage conversation between DEQ and MS4s

https://teams.microsoft.com/l/team/19%3a47673bec9c61418fa4d8d056c427d5b2%40thread.skype/conversations?groupId=15f8a516-7609-40b7-94d2-01b3fa4e4a95&tenantId=9a307864-3e98-4f08-b90a-728b62cf32c5
Questions, Comments, Discussion