Phase II
Storm Water Management Program

for

Oklahoma Turnpike Authority

February 2025

STORMWATER MANAGEMENT PROGRAM
JANUARY 2025 REVISION
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER
OKLAHOMA TURNPIKE AUTHORITY

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Joe Echelle (Feb 28, 2025 11:28 CST)

02/28/2025

Joe Echelle,P.E., Executive Director Date
Oklahoma Turnpike Authority

EXECUTIVE SUMMARY

The Oklahoma Turnpike Authority (OTA) has revised its Storm Water Management Program (SWMP) document which provides descriptions of all activities that will be conducted on behalf of OTA to meet its obligations under the Oklahoma Department of Environmental Quality (DEQ) General Permit for Phase II Municipal Separate Storm Sewer System (MS4) Discharges, also known as small MS4 (SMS4) discharges, within the State of Oklahoma (OKR04).

OTA's Phase II SWMP was originally submitted in 2005 and underwent a major revision in 2016. This current revision considers DEQ comments from their screening evaluation that was documented in a letter from the DEQ to OTA dated December 21, 2021.

The five Minimum Control Measures (MCMs) that are described in the latest OKR04 permit and apply to OTA are addressed in this SWMP. Each MCM has several measurable Best Management Practices (BMPs) to help reduce pollution in stormwater. The BMPs are summarized in Appendix D and have been revised to more accurately represent OTA's activities. OTA has not elected to incorporate the "Seventh MCM" into the SWMP.

The previous SWMP included portions of the Turnpike that were not actually within MS4 city limits or urbanized areas. Those have been removed. However, there are some additional Turnpike miles in MS4 areas not previously identified, and those have been added.

TABLE OF CONTENTS
PHASE II STORMWATER MANAGEMENT PROGRAM

I. INTRODUCTION

The Oklahoma Turnpike (OTA) is a State agency created by statute in 1947. The OTA is authorized to construct, maintain, repair and operate turnpike projects at locations authorized by the Legislature of the State of Oklahoma and approved by the Oklahoma Department of Transportation (ODOT). The Authority receives revenues from turnpike tolls and a percentage of the turnpike concession sales. The OTA's Mission Statement: "Partnering with others, we provide our customers with a choice of a safe, convenient, efficient, user-funded transportation network focusing on fiscal responsibility and promoting economic development."

A. Regulatory Background

On December 8, 1999, EPA published final regulations that address urban storm water runoff from cities under 100,000 population and counties that lie within the Urbanized Area as defined by the latest US Bureau of Census designation ("Phase II" regulations). The Oklahoma Department of Environmental Quality (DEQ) presently has primary jurisdiction from EPA over permitting and enforcement of the Phase II Storm Water Program for Oklahoma.

On February 8, 2005, the DEQ published General Permit OKR04 covering discharges from Phase II Municipal Separate Storm Sewer System Discharges (SMS4s). In the Fact Sheet for OKR04, DEQ listed entities, cities, counties, and other government agencies they believe are regulated as SMS4s. This list included the OTA.

The most recent version of OKR04 became effective on June 1, 2021, and will expire on May 31, 2026. This latest general permit designated OTA as a Category 1 MS4. The OTA has implemented BMPs as needed to meet the five MCMs applicable to the OTA (MCM 1 and MCMs 3-6). The numbering of BMPs is somewhat different from that used in previous SWMPs.

II. SWMP PROGRAM OVERVIEW

The Phase II regulations require all Phase II entities to develop a Storm Water Management Program (SWMP). The SWMP document specifies all the actions that OTA will take to comply with the stormwater regulations and address the five "Minimum Control Measures" required by DEQ/EPA for a successful stormwater program.

The purpose of the OTA SWMP is to describe the procedures, policies, and practices to be implemented to reduce the discharge of pollutants from stormwater drainage systems owned or operated by OTA. OTA properties that may be a source of pollutants are road surfaces and shoulders, construction and maintenance activities on those road surfaces and shoulders, and OTA maintenance yards.

All information contained in this SWMP represents a good faith effort on the part of OTA to comply with all requirements of the DEQ's Phase II General Permit for Small MS4s (OKR04). The DEQ has legal authority to manage storm water discharges occurring from OTA-owned and maintained facilities and properties located within its right-of-way. Legal authority for storm water and wastewater discharges from privately held land and lands outside of the OTA-owned right-of-way is exercised by local municipalities, counties, and agencies. Further, the OTA will refer all potential enforcement matters related to stormwater to the DEQ. However, none of the provisions, planned activities, schedules or priorities presented in this SWMP conveys any legal authority to OTA for implementation. Such authority will be derived from all local, State and/or Federal ordinances, codes, regulations and applicable laws pertaining to issues addressed in this SWMP.

This SWMP will be reviewed periodically by OTA administrative staff and amended, as needed, to provide greater efficiency or meet additional requirements that may be forthcoming in the future under OKR04 or other regulatory changes. The BMPs for the February 2025 version of the SWMP are summarized in Appendix D.

OTA Areas and Facilities Covered Under the General Permit

OTA has 50.4 miles of roadways that go through MS4 boundaries. For this SWMP, MS4 boundaries are based on the following:

- Urbanized areas as depicted on the *Census 2020 Urban Area Reference Maps, and*
- Corporate boundaries as shown on ODOT 's *Planning and Research Incorporated City Maps.*

OTA's roadways impact 13 MS4s as summarized in Appendix A.

In addition to the roadways impacted, the OTA has two Maintenance facilities located with MS4 boundaries. Those are the Kenosha Maintenance facility and the Miami salt barn. The Claremore and Coweta salt barns are not in urbanized areas or within corporate boundaries and have been removed from the SWMP.

Table 1: Maintenance Facilities in SMS4 Areas

Facility	MS4
Miami Salt Barn	Miami
Kenosha Maintenance Facility	Broken Arrow

Maps showing the locations of these MS4 areas are in Appendix B.

OTA Stormwater Conveyance Systems

OTA operates its stormwater drainage systems to minimize flooding and to prevent the presence of standing water on traveled areas within the right-of-way (ROW) via drainage systems within or adjacent to OTA's ROW. In some locations, runoff drains from offsite areas onto OTA ROW due to topography or drainage patterns. In this situation, OTA's drainage systems are designed to convey the stormwater contributed from OTA property and stormwater from offsite areas. In urban areas, some drainage systems connect directly to receiving waters, others could potentially discharge to municipal storm sewers. Turnpikes typically have off-shoulder drainage.

Drainage systems that serve OTA properties and facilities ultimately discharge stormwater to

receiving waters such as permanent and intermittent streams, lakes, wetlands, rivers, and floodplain drainage ditches. The sensitivity of receiving waters to potential stormwater discharge impacts will vary widely due to factors such as location, hydrology, the nature of the OTA facility and drainage system, discharges and pollutants from other sources, and the beneficial uses of the receiving waters.

Stormwater Receiving Streams and Water Quality

Appendix A lists the major receiving streams that occur on OTA's SMS4 areas. Eight of those receiving streams are currently on Oklahoma's 303(d) list as shown in Appendix F. To date there have been no applicable limits assigned to OTA because of completed TMDLs.

The main pollutant of concern in the discharges from highways is suspended solids. Salt can also be a pollutant during the winter months. In addition to the BMPs established by OTA's SWMP, OTA also uses the following maintenance and operational procedures to help control discharges of suspended solids:

- Maintain vegetation on right-of-way
- Road maintenance and sweeping

OTA is not responsible for pollutants that are discharged outside of OTA property but flow into waters on OTA's ROW.

The Oklahoma Highway Patrol is generally responsible for coordinating cleanups of spills that occur on the Turnpikes. The actual cleanup for these events is typically handled by emergency response personnel in the cities and or counties where the incident occurs. This is covered in more detail in OTA's Spill Prevention and Clean-up Policy developed for BMP #11.

303(d)

OTA roadways cross 303(d) listed streams at eight locations [based on the 2022 303(d) list] as shown in Table 2 below:

Table 2: 303(d) Listed Streams Crossed by OTA Roadways			
Turnpike	**Outfall**	**Stream**	**Impairments**
Creek	Creek 6	Adams Creek	Benthic MA, E_coli
Creek	Creek 3	Arkansas River	Enterococc, Lead, Turbidity
Turner	Turner 1	Nickel Creek	DO, E_coli
Will Rogers	Will Rogers 3	Cat Creek	DO, Enterocc, E_coli, Fish_Bio, Sulfate
Creek	Creek 2	Haikey Creek	Benthic_MA, Diazinon, DO, E_coli, Fish_Bio
Creek	Creek 4	Polecat Creek	Benthic_MA, Enterococc
Creek	N/A*	Twin Hills Creek	Benthic_MA
Creek	N/A*	Unnamed Tributary to Twin Hills Creek	Fish_Bio

*No suitable outfall location could be determined.

Looking at the above table, the main parameter of concern for stormwater discharges from Turnpike roadways would be turbidity. Turbidity could be discharged with stormwater due to construction activities. However, turbidity would be effectively controlled by the BMPs that control suspended solids (BMPs 2, 4, 9, 17, 18, 19, and 20). No action other than following those BMPs would be needed to protect the 303(d) listed streams.

Aquatic Resources of Concern

A portion of the Muskogee Turnpike discharges to the Verdigris River Corridor near the confluence of the Verdigris Rivers and the Arkansas River north of the city of Muskogee. This is identified in Exhibit 1 of OKR04 as an Aquatic Resource of Concern. Given that the main pollutant of concern is suspended solids and given that the adoption of the BMPs noted in the SWMP should reduce pollutants being discharged with stormwater in MS4 areas, the OTA concludes there is no reason to believe the discharge and discharge related activities are likely to adversely affect any listed species or result in the adverse modification or destruction of critical habitat. Therefore, in accordance with Part II.E.2.c.iv, of OKR04, OTA is invoking criterion D to maintain eligibility of this discharge.

Permit Enforcement and Oversight

OTA's on-site representatives/Construction Managers and contractors will be the primary lead in construction site inspections, local record keeping, and oversight of Phase II compliance. On selected projects, OTA Engineering Division will audit construction sites (Table 7). OTA will rely on DEQ for assistance in enforcement on recalcitrant parties involved with OTA construction projects.

In addition, OTA plans to work closely with the DEQ and/or the local SMS4 when off-site stormwater enforcement is necessary since OTA does not have the legal authority for enforcement that DEQ and the cities and/or counties covered under the SMS4 General Permit have. The OTA area covered under OKR04 is contained within the boundaries of already regulated SMS4s.

OTA has completed a preliminary outfall reconnaissance survey to determine the best locations for outfalls to add to the inventory. These locations are shown in Appendix E. The suitability of these outfall locations will be confirmed during subsequent inspections; therefore, the locations may be revised in subsequent revisions to this SWMP. There will be two categories of outfalls: 1) those located at OTA Maintenance facilities in MS4 areas, and 2) those located adjacent to turnpikes in MS4 areas where OTA drainage directly contacts a perennial stream. There are ten outfalls identified in Appendix E. Some outfalls shown in previous SWMPs have been removed. For example, the four outfalls in the Coweta MS4 are not currently located in either Coweta's urbanized area or corporate boundary, so those outfalls have been removed. All outfalls will be inspected during dry weather conditions to look for evidence of non-stormwater (illicit) discharges. If OTA can positively identify a non-stormwater discharging source immediately adjacent to their right-of-way, OTA will follow the Oklahoma Turnpike Authority Illicit Discharge Investigation Policy developed for BMP # 16.

III. MINIMUM CONTROL MEASURES

The current OKR04 permit require that following five Minimum Control Measures (MCMs) be addressed in implementing a successful Phase II Storm Water Management Program.

1. *Public Education and Involvement*
3. *Illicit Discharge Detection and Elimination*
4. *Construction Site Stormwater Runoff Control*
5. *Post Construction Management in New Development and Re-Development*
6. *Pollution Prevention and Good Housekeeping for MS4 Operations*

OTA is not required to implement MCM 2: Industrial Stormwater Runoff Control.

For each MCM, OTA has developed and selected Best Management Practices (BMPs), based upon the requirements of the DEQ OKR04 permit. The BMPs have measurable goals. Several of these BMPs have been revised based on lessons learned during the previous permit cycle. The changes are summarized in
Appendix F. OTA has developed implementation schedules for the revised BMPs as appropriate. Most BMPs are being carried forward from the previous permit cycle with minimal changes.

The OTA will submit an Annual Report to the DEQ that documents implementation and BMP effectiveness. The Annual Report will be submitted by April 30 of each year.

The following is information on the BMPs and other activities that will be implemented to address each of the MCMs. The beginning of each MCM section is a verbatim copy of the OKR04 General Permit text that drives development of the SWMP plan content and individual program elements and BMPs.

A. MCM 1: PUBLIC EDUCATION AND INVOLVEMENT:

OKR04 Requirement: Implement a program to distribute information and educational materials to the community and MS4 staff or conduct equivalent outreach activities to promote behavior changes to reduce pollutants in stormwater runoff and eliminate illicit discharges. The activities shall be tailored using a mix of locally appropriate strategies to target specific audiences and communities.

Non-traditional MS4s must address the community served by the MS4 – which in this case is the traveling public. OTA distributes educational materials to the traveling public via its website and through third-party public events. OTA provides opportunities for public participation through public events, such as community cleanups. OTA is constantly looking for better ways to communicate with the traveling public. This MCM has been significantly revised from the 2016 version.

A.1 Best Management Practices for Public Education and Involvement

OTA will use a number of public education Best Management Practices (BMPs) to inform individuals and groups about the steps they can take to reduce stormwater pollution and become involved in the stormwater program. Appendix D summarizes all the BMPs that will be used for this MCM including measurable goals and aschedule of implementation.

The activities and frequencies of implementation of these BMPs are summarized in Table 3 below:

TABLE 3: BMPs FOR PUBLIC EDUCATION PROGRAM

BMP Number	BMP Activity	Target Audience	Frequency
2	Training module for good housekeeping at Maintenance facilities	OTA Maintenance staff	Every two years
3	Training module for illicit discharges for OTA Staff	OTA Maintenance staff	Every two years
4	Education event for construction contractors	OTA construction contractors	Annually
5	Public education event	General public	Minimum one event per year
6	Sponsor or co-sponsor a public participation event	General public	Minimum one event per year

12	Prepare Annual Report for DEQ	Reviewing agencies, OTA staff, General Public	Annually
13	Stormwater section on OTA's website (includes OTA's SWMP)	OTA staff and the general public	Continuously available
14	Clean-up events and litter program	OTA staff and the general public	Daily/Annually

A.2 Education/Involvement for the General Public

The Oklahoma Turnpike Authority's strategy for reaching the general public involves a combination of outreach events and website postings. OTA also occasionally uses radio advertising to provide information to the general public.

Education topics will include but are not limited to:

- Carpooling as much as possible
- Picking up waste after your pet
- Controlling the amounts of fertilizers used
- Encouraging proper use and disposal of motor oil and engine fluids

OTA is a member of the Central Oklahoma Stormwater Alliance (COSWA), and through COSWA OTA co-sponsors their annual Home and Garden Show each winter. This is OTA's main public education activity. OTA also posts educational materials on its website which can include EPA brochures (e.g. Stormwater Smart materials), in-house produced brochures, or links to informational videos.

OTA co-sponsors at least one public involvement event each year. In recent years, we have co-sponsored the following:

- Rain Barrel Annual Sale Program (through COSWA)
- "Too Toxic to Trash" household waste cleanup event in Newcastle

OTA anticipates continuing these activities for the foreseeable future. In any case, at least one involvement activity will occur each year.

Two other opportunities for public involvement are:

- OTA's toll-free number for reporting of littering, and
- The Stormwater section on OTA's website which includes contact information for questions.

A.3 Education for OTA Staff for Illicit Discharges

For OTA's Maintenance staff, OTA's objective for in-house training for illicit discharges is to provide information to applicable employees to ensure they have the knowledge and skills necessary to respond to illicit discharges they discover. OTA's main audience is OTA's Maintenance staff, but some materials may from time-to-time be applicable for all OTA employees. Presentation is normally given online. Additional information related to illicit discharges may posted on OTA's website.

A.4 Education for OTA Contractors

Each fall OTA and ODOT co-sponsor the Contractor Construction Compliance Conference (C4). This conference provides educational training on soil erosion and sediment control practices that are commonly used during construction for contractors and agency representatives. This is OTA's primary means of meeting the contractor education requirement.

A.5 Education for OTA Employees for Pollution Prevention/Good Housekeeping

For OTA's Maintenance staff, OTA's objective for in-house training for pollution prevention and housekeeping is to provide information that will help in reducing the discharge of pollutants from OTA's roadways and Maintenance facilities. This training will mostly be provided to OTA Maintenance personnel to help them with operating Maintenance facilities in MS4 cities. This training will be either provided in-house or via outside training. The outside training can include Oklahoma City's bimonthly webinars or videos from EPA. Additional information related to illicit discharges may be posted on OTA's website.

Table 3 (above) and Appendix D list all BMPs that will be used to address this MCM. Each BMP Fact Sheet lists the activity description, schedule of implementation, and annual Measurable Goals for the BMP.

A.6 Management Responsibility

OTA has overall project management responsibility. OTA staff will coordinate all local activities and implementation of all program elements.

A.7 Measurable Goals

Measurable Goals have been established for each Public Education BMP. These are summarized in Appendix D and include implementation schedules and frequency of activities for each BMP.

B. MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION:

OKR04 Requirement: Implement and enforce a program to detect and eliminate illicit discharges, including illegal dumping and on-site sewage disposal systems, into your small MS4. Your program must include dry weather field screening (DWFS), identify non-stormwater flows, and new elements should be developed and implemented as necessary. The program will rely upon a number of methods of pollutant detection. There are two categories of pollutants that will be addressed in different ways.

The first category is pollutants from sources that have a chronic or frequently repeating discharge that can be traced through stream channels and the MS4 system using visual inspections. For the most part, turnpikes in urbanized areas and MS4s are located far enough from chronic sources that these chronic discharges are unlikely to appear in the OTA system.

The second category is pollutants introduced to the MS4 by individuals from a one-time episode at a discrete point of entry. These discharges are more likely to occur than the chronic discharges mentioned above. Examples of these one-time discharges include dumping of yard waste, motor oil, antifreeze or trash into a creek or used motor oil accidentally being released to a storm drain at a maintenance facility. Discharges of illicit pollutants by members of the public should be extremely rare due to the lack of public access to Turnpike rights-of-way. Discharges from OTA maintenance facilities should also be limited due the implementation of BMP 1 (OTA's chemical storage and disposal policy) and BMP 18 [Stormwater Pollution Prevention Plans (SWPPPs) for OTA Maintenance Facilities].

Because the occurrance of illicit discharges is likely to be rare, it is important to have a written policy developed so that OTA staff know what to do when they encounter one. A policy has been developed and when finalized will require specific actions to be taken in specific situations.

It is important to maintain an inspection program to check for illicit discharges. OTA's General Consultant will continue inspecting all bridges and culverts on the turnpike system. In addition, OTA Maintenance staff will inspect roadways and outfall for signs of illicit discharges. These outfalls are located along roadways in MS4 areas or in Maintenance yards (see Appendix E).

B.1 Best Management Practices for Illicit Discharge Detection and Elimination

OTA will use several Best Management Practices (BMPs) to implement an effective detection and elimination program for illicit discharges. Several of the BMPs from the Public Education Program will be useful for this MCM as well and are listed accordingly. Likewise, most of the Public Participation BMPs are used for this MCM.

Appendix D summarizes all the BMPs that will be used for this MCM including measurable goals and a schedule of implementation.

The activities and frequencies of implementation of these BMPs are summarized in Table 4 below:

TABLE 4: BMPs FOR ILLICIT DISCHARGE PROGRAM

BMP Number	BMP Activity	Target Audience	Frequency
1	Policy for Chemical Storage and Disposal	OTA Maintenance Staff	Update annually
3	Training module for illicit discharges for Maintenance staff	OTA Engineering and Maintenance Staff	Annually
8	Develop OTA MS4 maps	OTA Engineering and Maintenance Staff	Revise annually as needed
10	Toll-free telephone number	OTA staff and general public	Continuously available
11	Spill prevention/clean-up policy and procedure	OTA Maintenance Staff	Revise annually as needed
12	Prepare Annual Report for DEQ	Reviewing agencies, OTA staff, General Public	Annually
14	Clean-up events and litter programs	OTA staff and the general public	Monthly/Annually
15	Storm system conveyance inspections	OTA Maintenance staff and OTA General Consultant	Annually (OTA Maintenance)/50% (General Consultant)
16	Inspection to detect illicit discharges	OTA Maintenance staff and OTA General Consultant	20% of Outfalls (OTA Maintenance staff)/50% of convenance structures (General consultant)

B.2 Priority Areas of Illicit Discharges

While illicit discharges can occur in any of the 13 MS4s that OTA can impact, the priority area is where the Turner Turnpike goes through an industrialized area in Sapulpa's MS4. This area is monitored by Outfall Turner 1. Therefore, Outfall Turner 1 will be monitored annually, while the other outfalls will be monitored to meet the DEQ's 20% requirement.

B.3 Investigating Reports of Illicit Discharges

OTA has developed a written policy for investigating illicit discharges. This policy is shown in Appendix H. OTA's Maintenance staff have the primary responsibility for investigating illicit discharges. Reports of possible illicit discharges are to be investigated within 72 hours of receiving the report.

B.4 Dry Weather Field Screening (DWFS)

OTA's outfalls are listed in Appendix E. Per Table V-4 of OKR04. OTA will complete dry weather field screening (DWFS) inspections in accordance with the following schedule:

Table 5: Dry Weather Field Screening Schedule	
Outfalls to be Inspected	**Calendar Year of Inspection**
Turner 1 and Creek 1	2025
Turner 1, Creek 2 and Creek 3	2026
Turner 1, Creek 4 and Creek 5	2027
Turner 1, Creek 6 and Will Rogers 1	2028
Turner 1, Will Rogers 2 and Will Rogers 3	2029

The following policies will be followed:

- The OTA Outfall Inspection Form will be filled out for each DWFS inspection. That form includes a section to note whether it appears that an illicit discharge has occurred.
- If evidence of an illicit discharge has occurred at a Maintenance Facility, OTA staff will refer to OTA's Spill Prevention and Cleanup Policy for Small MS4 Areas. If the illicit discharge is determined to likely be a one-time event, no further action is needed beyond following the Spill Prevention and Cleanup Policy. If the illicit discharge is deemed to be repeatable, OTA Engineering and Maintenance staff will confer on updating BMPs or chemical use practices at that facility.
- If evidence of an illicit discharge has occurred on an outfall adjacent to an OTA roadway, a field investigation is needed to determine the source. If possible, OTA Maintenance will trace the source to the origin of the discharge. If the source is located on OTA property, OTA Maintenance will follow the Spill Prevention and Cleanup Policy. Evidence of illegal dumping will be reported to the Oklahoma Highway Patrol.
- If an illicit discharge has occurred and the source is from off OTA property, the appropriate locality or MS4 authority will be contacted.

Due to the rare occurrence of illicit discharges on OTA's road system, there has not been a need for OTA to keep field test kits on hand. When illicit discharges have occurred, appropriate personnel were notified and testing of the discharge hasn't been needed. If recurring illicit discharges occur in the future where a particular type of testing would be needed, OTA will acquire the necessary test kits and the SWMP will be updated accordingly.

B.5 Outfalls in MS4 Areas

OTA has completed maps of MS4 areas with identified outfalls. These outfalls represent locations where discharges from OTA's right-of-way enter directly into a body of water (perennial stream or pond). Also included are locations where stormwater is conveyed off Maintenance yards within or adjacent to SMS4 areas. The locations for these outfalls were initially determined by OTA Engineering and Maintenance staff and will be confirmed by subsequent inspections. When finalized, these locations will be permanently marked in the field by Maintenance staff to help in relocating them. Once marked in the field, the locations will be confirmed using GPS. The current locations of these outfalls as determined by Google Earth are shown in Appendix E.

The maps in Appendix A show the current identified locations of those outfalls. These maps will be periodically reviewed by OTA Engineering and Maintenance staff for possible updates.

B.6 Occasional and Incidental Non-Stormwater Discharges

Allowable non-stormwater discharges are listed in Part II.B.2 of OKR04. A reduced portion of that list non-stormwater discharges that might possibly be applicable to OTA is shown below. The Oklahoma Turnpike Authority does not believe either of these to be substantial contributors of pollutants to the Turnpike System at any locations:

a. Water line flushing;

b. Landscape irrigation;

c. Diverted stream flows;

d. Rising ground waters;

e. Residential building wash water without detergents;

f. Uncontaminated pumped ground water;

g. Uncontaminated ground water infiltration;

h. Discharges from potable water sources;

i. Foundation drains;

j. Air conditioning condensate;

k. Irrigation water;

l. Springs;

m. Water from crawl space pumps;

n. Footing drains;

o. Lawn watering;

p. Street wash water;

This list will be revised if other possible incidental discharges are identified.

The primary employees that evaluate the functioning and maintenance of the OTA drainage systems are OTA maintenance personnel and OTA's General Consultant. These employees through the course of their work activities are the most likely to identify unusual flows and polluted discharges. OTA will utilize information obtained by highway maintenance staff and/or through inventories conducted by the General Consultant to identify illicit discharges.

B.7 Management Responsibility

OTA has overall project management responsibility. OTA staff will coordinate all activities and the implementation of all program elements.

B. 8 Measurable Goals

Measurable Goals will be established for each BMP. These are summarized in Appendix D. BMP effectiveness will be demonstrated by keeping records of contacts from individuals and stakeholders.

C. MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL:

OKR04 Requirement: Implement and enforce a program to reduce pollutants in any stormwater runoff to your MS4 from construction activities. At a minimum, the program requirements shall be consistent with the OKR10 General Permit for Stormwater Discharges from Construction Activities. OTA currently has a comprehensive inspection program to address the pollution of stormwater runoff from active construction sites. OTA will continue to develop policies and specifications regarding the discharge of pollutants and sediment from construction sites and require the deployment of adequate erosion control measures.

OTA primarily uses Chapter 220 of the Oklahoma Department of Transportation's Standard Specifications (2019) as the basis for its stormwater runoff control. In addition to the inspections required by the ODOT Standard Specifications, OTA is also instituting in-house audits of Capital Plan construction sites in SMS4 areas. The in-house audits will be conducted by OTA's Engineering Division.

For Access projects, there is a dedicated third-party environmental field compliance team that will ensure that OTA will meet or exceed all environmental regulations.

C.1 Best Management Practices for Construction Site Runoff Control

OTA will use a number of Best Management Practices (BMPs) to implement an effective erosion and pollutant control program for active construction sites. Appendix B summarizes all BMPs that will be used for this MCM. Appendix D provides a one-page description of each BMP, along with Measurable Goals and schedule of implementation.

The activities and frequencies of implementation of these BMPs are summarized in Table 6 below:

TABLE 6: BMPs FOR CONSTRUCTION SITE RUNOFF PROGRAM

BMP Number	BMP Activity	Target Audience	Frequency
4	Education event for construction contractors	OTA construction contractors	Annually
9	Highway design pollution prevention practices	OTA staff, contractors, and consultants	100% of Turnpike Projects

12	Prepare Annual Report for DEQ	Reviewing agencies, OTA staff, General Public	Annually
17	Inspection program for erosion and sediment control	Contractors, OTA CM representatives, OTA Engineering and Maintenance Staff	Minimum weekly during construction activities
19	Policies and practices for erosion and sediment control	OTA staff, contractors, and consultants	100% of Turnpike projects
20	Site plan review for erosion and sediment control	Engineering consultants, contractors, and OTA Engineering Staff	100% of Turnpike projects

C.2 Education for OTA Contractors

Each fall OTA and ODOT cosponsor the Contractor Construction Compliance Conference (C4). Other education opportunities may be offered from time-to-time when available, but the C4 Conference is OTA's primary means of meeting this BMP requirement.

C.3 Erosion/Sediment Control

OTA adopts the following measures to control construction site runoff:

- Develop policies, procedures, and specifications to require erosion and sediment controls, as well as sanctions to ensure compliance;
- Require construction site operators to control waste such as discarded building materials, sanitary waste, and chemicals;
- Implement procedures for site plan review that incorporate consideration of potential water quality impacts;
- Implement a construction site inspection program.

The Oklahoma Department of Transportation *Standard Specifications for Highway Construction* (current edition is 2019) sets forth requirements designed to "minimize or eliminate air pollution and pollution of rivers, streams, impoundments, and private properties from the discharge of dust and/or stormwater associated with construction activity. Most of the responsibility for meeting OPDES permitting requirements at construction sites rests with the contractors doing the construction. Section 220 of *Standard Specifications* includes specific requirements the contractor must meet to help minimize the pollution of waterways during

construction.

As can be seen in the BMPs cited above for this MCM, OTA staff also have a role to play in preventing stormwater pollution from construction sites. The OTA provides daily oversight of the contractor's activities through the use of a construction manager (CM). The CM can direct the contractors to make changes if any deficiencies are noted with the onsite pollution protection activities. If additional assistance is needed to address stormwater pollution issues, OTA Maintenance can be consulted. OTA Engineering staff review the SWPPPs for all construction projects and can be consulted when problems occur.

C.4 Site Plan Review

When reviewing plans for construction projects, OTA will consider potential impacts on water quality as part of the site planning process. The site plan review process will include consideration of water quality issues for these activities. OTA will:

- Implement administrative procedures for site plan review to ensure appropriate controls are established for the environmental setting of each project; and
- Ensure proper permitting and update SWPPP documentation

C.5 Construction Site Inspections

ODOT's *Standard Specification for Highway Construction* requires regular inspections of construction activities. Stormwater control inspections will be performed by contractors with oversight from OTA's CMs or their designees and should be integrated into their regular construction inspection activities.

- Each inspection will be documented using a SWPPP Inspection and Maintenance Report form approved by OTA or their representative. A separate stormwater inspection form will be created to document inspection results of each site visit:
- A stormwater inspection will be conducted at least weekly during the active construction period, or after every half inch of rain or its equivalent, by OTA's representative;
- The stormwater inspection form will document the adequacy of the erosion and sediment control measures being used and note any remedial action needed. A copy of the form will be given to the contractor for their records and action;
- The frequency of stormwater inspections will be greater in high priority areas, and these may require more frequent inspections than once weekly;

- OTA's Construction Division oversees enforcement of stormwater requirements. OTA's Construction Division will attempt to address non-compliance through written or verbal communication to the contractor. If non-compliance persists, penalties such as suspending work or withholding payment can be assessed. In extreme cases OTA will refer non-compliance of OKR10 to DEQ enforcement.

C.6 Plan to Ensure Policy Compliance

OTA will continue the practice of requiring all construction sites to install and maintain erosion and sediment controls as required by the *ODOT Standard Specifications (2019)* and the BMPs noted above. OTA's utilization of the CM along with input from OTA Maintenance and Construction Division staff as needed should ensure compliance with OTA's erosion and sediment control policy at construction sites.

C.7 Procedures for Public Input

OTA's stormwater web page provides an outlet for the public to provide comments on OTA's stormwater program.

C.8 Audit of Construction Sites

In addition to the routine inspections noted in C.6 and C.7, OTA Engineering Division will conduct in-house audits of Capital Plan projects within SMS4 boundaries. OTA will complete at least one audit visit per project. The purpose of these inspections is to ensure that appropriate stormwater BMPs are in place and that the contractor's inspection reports are accurate. If problems are noted with the initial audit, additional visits can be scheduled. Corrective actions up to and including suspension of work can result from the in-house audits.

Table 7: Upcoming Capital Plan Projects in SMS4 Area Requiring In-house Audits

Project Number	Description	Year	MS4
SP-71B	Maintenance Facility	2026	Broken Arrow
WR-MC-147	Pvmt. Rehab.	2026	Miami
WR-MC-146	Pvmt. Rehab.	2027	Catoosa
SP-75	Ramp DBR/Grind	2029	Jenks

C.9 Management Responsibility

OTA has overall project management responsibility. OTA staff will coordinate all local activities and implementation of all program elements.

C.10 Measurable Goals

Measurable Goals will be established for each Construction Site Runoff Control BMP. These are summarized in Appendix D.

D. MCM 5: POST-CONSTRUCTION MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT:

OKR04 Requirement: Implement and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one (1) acre, including projects less than one (1) acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program must maintain pre-development runoff conditions and ensure that controls are in place that would prevent or minimize water quality impacts.

Post-construction stormwater management in new development and redevelopment focuses on implementation of controls and practices that will try to maintain good water quality conditions after an area has been developed and after construction activities have been completed. This is necessary because BMPs used during construction are not necessarily applicable or effective after construction is completed.

OTA will consider appropriate structural and/or non-structural BMPs during the design phase of construction projects. The BMPs should be appropriate for the local site conditions and should be selected to minimize water quality impacts. Opportunities for low impact development will also be pursued.

If post-construction BMPs are used, Engineering Division staff will inspect post-construction BMPs annually for the first two years to evaluate effectiveness. The findings from these inspections will be considered on other projects. Routine Maintenance activities such as mowing or herbicide application allow for continuous inspections of post construction areas. Problems will be reported to the appropriate Maintenance Superintendent.

D.1 Best Management Practices for Post Construction Runoff Control

OTA will use several Best Management Practices (BMPs) to implement effective practices for post construction runoff control from OTA construction sites. Appendix B summarizes all BMPs that will be used for this MCM.

Appendix D provides a one-page description of each BMP, along with Measurable Goals and schedule of implementation.

The activities and frequencies of implementation of these BMPs are summarized in Table 8 below:

TABLE 8: BMPs FOR POST CONSTRUCTION SITE RUNOFF PROGRAM

BMP Number	BMP Activity	Target Audience	Frequency
4	Education event for construction contractors	OTA construction contractors	Annually
9	Highway design pollution prevention practices	OTA staff, contractors, and consultants	100% of Turnpike Projects
10	Toll free telephone number	General public	Continuously
12	Prepare Annual Report for DEQ	Reviewing agencies, OTA staff, General Public	Annually
17	Inspection program for erosion and sediment control	Contractors, OTA CM representatives, OTA Engineering and Maintenance Staff	Minimum weekly during construction activities
16	SWPPPs for OTA Maintenance facilities	OTA Maintenance staff	Implement Continuously
19	Policies and practices for erosion and sediment control	OTA staff, contractors, and consultants	100% of Turnpike projects
20	Site plan review for erosion and sediment control	Engineering consultants, contractors, and OTA Engineering staff	100% of Turnpike projects

D.2 Maintain Pre-development Conditions

Most OTA projects involve roadway and bridge construction and rehabilitation. For the upcoming Capital Plan projects through 2029, there will be very little changes to the footprints impacted.

D.3 BMPs for Post Construction Run-off

The post-construction program will be developed to address conditions that apply to OTA right-of-way or facilities under the jurisdiction of OTA. Post-construction program includes:

- Selection of appropriate sites for post-construction BMPs based on potential to discharge to municipal storm systems in urban areas.
- Continuous observation by OTA Maintenance staff during routine activities such as mowing or herbicide application.
- Inspections by OTA Engineering staff to evaluate the effectiveness of selected post-construction measures.
- Implementation of BMPs to reduce stormwater runoff in Small MS4 areas.

Any public comments received concerning water quality issues will be considered during the planning of transportation improvements regarding floodplain management and impacts. As part of the administrative review of plans, OTA will encourage protection of sensitive water quality areas (e.g. wetlands, riparian areas, etc.) and encourage use of buffers along sensitive water bodies.

OTA will ensure the long-term operation and maintenance (O&M) of the BMPs for transportation facilities under OTA authority.

D.4 Non-Structural BMPs

Routine non-structural BMPs used by OTA include street sweeping, removing litter from the sides of OTA roadways, and labeling storm drains. Non-structural BMPs are considered for upcoming Capital Plan and Access projects, including looking for opportunities to preserve open spaces, protect natural systems, and incorporate existing landscape features in stormwater site plans. However, most of OTA's system is not part of OTA's MS4; and even in urban areas OTA has little direct connection to municipal storm sewer systems. Therefore, the opportunities to implement these during any permit cycle in SMS4 areas are limited.

> The measurable goal is to consider non-structural BMPs for any projects in SMS4 areas, and implementation will be on a case-by-case basis as follows:

- In the rare instance where an OTA project will impact a municipality's storm system, OTA will coordinate with the affected municipality during the planning stage of an

improvement to ensure OTA's participation will assist the municipality in accommodating growth to identified areas and protect sensitive water resources such local wetlands and riparian zones. OTA's control of development and growth in a municipality is limited. OTA's role is normally to provide highway infrastructure improvements and/or accommodation on highway right-of-way;

- OTA will encourage highway construction projects under the control of OTA to maintain open spaces, provide buffers along sensitive waterbodies and minimize impervious surfaces and disturbance of soils and vegetation as may be applicable and feasible;
- Encourage inspections by OTA staff to review all post construction BMPs to ensure they are working properly.

D.5 Structural BMPs

The measurable goal is to consider structural BMPs during the design phase for all projects in OTA's MS4 area; however as stated above, the opportunities to implement these BMPs will be more frequent in Access projects than in Capital Plan projects.

The following post-construction BMPs are routinely considered during the design phase of Access projects:

i. Vegetated/grassed ditches
ii. Vegetated/grassed slopes
iii. Riprap
iv. Concrete lined ditches

Similar BMPs are considered for Capital Plan projects when applicable and feasible. All structural BMPs are standard technology-based practices intended to reduce pollutant discharge from a highway facility. As with non-structural BMPs, OTA will coordinate with impacted municipalities as needed.

D.6 Long-term Maintenance of post construction BMPs

In accordance with BMP 17, OTA Engineering Division will inspect post construction BMPs for two years following construction. Long-term Maintenance of the BMPs will be the responsibility of OTA Maintenance Division.

D.7 Consider Low Impact Development (LID) Strategies

There are few candidates for LID implementation in upcoming Capital Plan projects. There may be opportunities to implement LID in upcoming Access projects and they will be considered when feasible.

D.8 Management Responsibility

OTA has overall project management responsibility. OTA will coordinate all activities and implementation of all program elements.

D.9 Measurable Goals

Measurable Goals will be established for structural and non-structural post construction BMPs. These are summarized in Appendix D.

E. MCM 6: POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MS4 OPERATIONS:

OKR04 Requirement: Implement and enforce an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from MS4 operations such as streets, roads, highways, parking lots, maintenance and storage yards, fueling areas, waste transfer stations, fleet or maintenance shops, salt/sand storage locations and snow disposal areas.

Pollution prevention/good housekeeping for OTA operations is a minimum control measure designed to emphasize the operation and maintenance (O&M) of MS4s and proper training of OTA employees. Performing transportation related activities in a careful and planned manner prevents or reduces pollutant runoff. OTA operations include new construction and land disturbances, building oversight, and stormwater system maintenance along highway right-of-way. No flood control projects are anticipated in the foreseeable future.

E.1 Best Management Practices for Good Housekeeping

OTA will use a number of Best Management Practices (BMPs) to implement effective strategies to address pollution prevention and good housekeeping. Appendix B summarizes all BMPs that will be used for this MCM. Appendix D provides a one-page description of each BMP, along with Measurable Goals and schedule of implementation.

The activities and frequencies of implementation of these BMPs are summarized in Table 9 below:

TABLE 9: BMPs FOR POLLUTION PREVENTION AND GOOD HOUSEKEEPING PROGRAM

BMP Number	BMP Activity	Target Audience	Frequency
1	Policy for Chemical Storage and Disposal	OTA Maintenance Staff	Update annually
2	Training module for Good Housekeeping at Maintenance facilities	OTA Maintenance Staff	Annually
3	Training module for illicit discharges for Maintenance staff	OTA Maintenance staff	Annually
7	Training module for pesticides	OTA Maintenance Staff	Annually
10	Toll free telephone number	OTA staff and general public	Continuously available

11	Spill prevention/clean-up policy and procedure	OTA Maintenance staff	Revise annually as needed
12	Prepare Annual Report for DEQ	Reviewing agencies, OTA staff, General Public	Annually
13	Stormwater section on OTA's website	General Public	Continuously available
14	Clean-up events and litter programs	OTA staff and the general public	Monthly/Annually
15	Storm system conveyance inspections	OTA Maintenance staff and OTA General Consultant	Annually (OTA Maintenance)/50% (General Consultant)
16	Inspection to detect illicit discharges	OTA Maintenance staff and OTA General Consultant	20% of Outfalls (OTA Maintenance staff)/50% of convenance structures (General consultant)
17	Inspection program for erosion and sediment control	Contractors, OTA CM representatives, OTA Engineering and Maintenance Staff	Minimum weekly during construction activities
18	SWPPPs for OTA Maintenance facilities	OTA Maintenance staff	Implement Continuously
19	Policies and practices for erosion and sediment control	OTA staff, contractors, and consultants	100% of turnpike projects
20	Site plan review for erosion and sediment control	Engineering consultants, contractors, and OTA Engineering staff	100% of Turnpike projects

E.2 Control/Reduce/Eliminate Discharge of pollutants from Maintenance activities

OTA has developed SWPPPs for the Maintenance facilities in SMS4 areas. The SWPPPs include inspection requirements to ensure that BMPs (structural and non-structural) are being maintained. The SWPPPs include a requirement that contractors hired to perform maintenance activities will comply with the SWPPP.

OTA does not wash vehicles or equipment at either the Miami or Kenosha Maintenance facilities.

E.3 Operation and Maintenance Program (OO&M)

Good housekeeping practices in the above BMPs will be followed by the Kenosha and Miami Maintenance facilities.

E.4 Construction Projects in Maintenance Facilities

All Capital Plan projects at OTA Maintenance facilities will follow the BMPs required in sections D.3, D.5, D.6, and D.7. The BMPs used for smaller construction projects at Maintenance facilities will be determined on a case-by-case basis, but in all cases will follow State and local MS4 requirements.

E.5 Employee Training for Good Housekeeping

OTA will provide a training program for OTA employees that addresses MS4 maintenance and reduction/prevention of stormwater pollution from OTA activities. The OTA training program will be developed for all OTA maintenance staff. OTA will use existing training materials from State and Federal sources (brochures, booklets, fact sheets, forms, questionnaires, etc.) and develop training modules for OTA crews. The OTA training program will supplement other training provided by the Oklahoma Department of Agriculture, Phase 1 cities, or the DEQ.

E.6 Policies for Pollutant Control

For the 2016 SWMP revision, OTA developed new polices related to control of stormwater pollution at OTA facilities. For the most part, these policies are being continued in this SWMP. These policies and the relevant MCMs they are related too are noted below:

TABLE 10: New Policies Implemented in the 2016 SWMP Revision and Applicable MCMs

Policy Title	Applicable MCMs
Policy for Chemical Use and Disposal in Small MS4 Areas	Illicit Discharge, Good Housekeeping
Spill Prevention and Cleanup Policy for Small MS4 Areas	Illicit Discharge, Good Housekeeping
Illicit Discharge Investigation Policy	Illicit Discharge, Good Housekeeping

Following these policies should ensure minimal pollution of stormwater from OTA activities. These policies will be evaluated and upgraded whenever a need to do so occurs. Note that the previous BMP for chemical storage included developing a fact sheet. Instead of developing a fact sheet, OTA will follow applicable chemical specific BMPs.

OTA will implement structural BMPs where appropriate to control contaminated runoff from OTA owned storage areas for vehicles, equipment, and materials exposed to rainfall. These will include berms around magnesium chloride tanks, barriers around sand piles, straw bales, silt fencing, grassy swales, sediment ponds and/or others as deemed appropriate. OTA will rely upon street sweeping and litter programs to reduce the amount of trash and chemical pollutants on the highway systems.

OTA crews will be instructed to report observed pollution problems and/or trash buildup on highway rights-of-way. OTA crews will remove debris and trash from highways as necessary. OTA stores sand and salt in areas that have sufficient berms or under cover to prevent excess runoff of salt into local streams. OTA disposes of removed materials in accordance with State statutes. The material to be disposed of includes dredge spoil, accumulated sediments, floatables, and other debris.

E.7 Management Responsibility

OTA has overall project management responsibility. OTA will coordinate all activities and implementation of all program elements.

E.8 Measurable Goals

Measurable Goals will be established for each Good Housekeeping BMP. These are summarized in Appendix D. BMP effectiveness will be demonstrated by compiling and evaluating information from OTA Maintenance staff. Data from the Good Housekeeping program will be used to verify successful implementation of the BMPs.

DEFINITIONS

BMPs - (Best Management Practices) - schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

CWA – Public Law 92-500, as amended, also called the Clean Water Act

Illicit Discharge- any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit (other than the municipal separate storm sewer) and discharges resulting from firefighting activities.

MEP – Maximum Extent Practicable

MS4 - Municipal Separate Storm Sewer System - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curb, gutters, ditches, man-made channels, or storm drains)

New Development – any development that results in the conversion of land that is currently prairie, agriculture, forest or wetland.

NPDES – National Pollutant Discharge Elimination System – National program for issuing, modifying, revoking and reissuing, terminating, imposing and enforcing pretreatment requirements under Sections 307,412, 318, and 405 of CWA.

Outfall -a point source at the point where a municipal separate storm sewer discharges to waters of the United States.

Redevelopment -alterations of a property on previously developed land that change the footprint of a site or building in such a way that results in the disturbance of equal to or greater than 1 acre of land.

TMDL (Total Maximum Daily Load) – the calculation of the maximum amount of a pollutant allowed to enter a waterbody so that the waterbody will meet and continue to meet water quality standards for that particular pollutant.

Waters of the State - means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, which are contained within, flow through, or border upon this State or any portion thereof

Waters of the United States –(a) All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide; (b) All interstate waters, including interstate "wetlands"; (c) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, "wetlands," sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters: (1) Which are or could be used by interstate or foreign travelers for recreational or other purposes; (2) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; (3) Which are used or could be used for industrial purposes by industries in interstate commerce; (d) All impoundments of waters otherwise identified as waters of the United States under this definition: (e) Tributaries of waters identified in paragraphs (a) through (d) of this definition; (f) the territorial sea; and (g) "Wetlands" adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definitions. Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.ll(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applied only to man-made bodies of water which neither were originally created in waters of the United Sates (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted croplands by any other federal agency, for the purpose of the Clean Water Act, the final authority regarding Clean Water act jurisdiction remains with EPA.

APPENDIX A: LIST OF OTA ROADWAYS AND MAINTENANCE FACILITIES WITHIN SMALL MS4 BOUNDARIES

OTA Roadways within MS4 Boundaries

Small MS-4	Turnpike	# of Miles	Receiving Streams
Miami (2 areas)	Will Rogers	1.6	Unnamed Tributaries to the Neosho River and Unnamed Tributaries to Little Elm Creek. The Neosho River is on the 303d list, the Unnamed Tributaries are not.
Claremore	Will Rogers	0.7	Cat Creek (303d), and Unnamed Tributaries to Cat Creek. Cat Creek is on the 2020 303d list, but not the 2022 303d list.
Rogers County (2 areas)	Will Rogers	3.0	Chambers Creek (303), and Unnamed Tributaries to Chambers Creek, Chambers Creek is on the 2020 303d list, but not the 2022 303d list.
Coweta	Muskogee	0.7	Unnamed Tributaries to Fife Creek and Unnamed Tributaries to Gar Creek
Catoosa	Will Rogers	0.9	Unnamed Tributaries to Spunky Creek, and Unnamed Tributaries to the Verdigris River. Spunky Creek is on the 3035 list, but the Unnamed Tributaries are not.
Broken Arrow (2 areas)	Creek and Muskogee	15.8	Haikey Creek, Unnamed Tributaries to Haikey Creek, Broken Arrow Creek, Unnamed tributaries to Broken Arrow Creek, Unnamed Tributaries to the Arkansas River, Adams Creek (303d), and Unnamed Tributaries to Adams Creek. Haikey Creek is on the 303d list, the Unnamed Tributaries are not
Jenks	Creek	4.3	Arkansas River (303d), Polecat Creek, and Unnamed Tributaries to Polecat Creek. A portion of Polecat Creek is on the 303d list, but the Unnamed Tributaries and the portion of Polecat Creek that the Turnpike crosses are not.
Sapulpa	Turner and Creek	13.1	Nickel Creek (303d), Unnamed Tributaries to Nickel Creek, Unnamed Tributaries to Polecat Creek, and Unnamed Tributaries to Mooser Creek. Mooser Creek is on the 303d list, but the Unnamed Tributaries are not

Small MS-4	Turnpike	# of Miles	Receiving Streams
Muskogee	Muskogee	1.6	Arkansas River, Unnamed tributaries to the Arkansas River, Unnamed Tributaries to the Verdigris River
Fort Sill	H.E. Bailey	1.8	Unnamed tributaries to East Cache Creek (303d) and unnamed tributaries to Beef Creek (East Cache Creek is on the 303d list, but the unnamed tributaries are not
Wagoner County	Creek	2.3	Unnamed tributaries to Adams Creek (303d) (Adams Creek is on the 303d list, but the unnamed tributaries are not).
Harrah	Kickapoo	2.5	Unnamed tributaries to Harrah Creek
McAlester	Indian Nation	2.1	Unnamed tributaries to Peaceable Creek and Deer Creek.
Total Miles for OTA:		**50.4**	

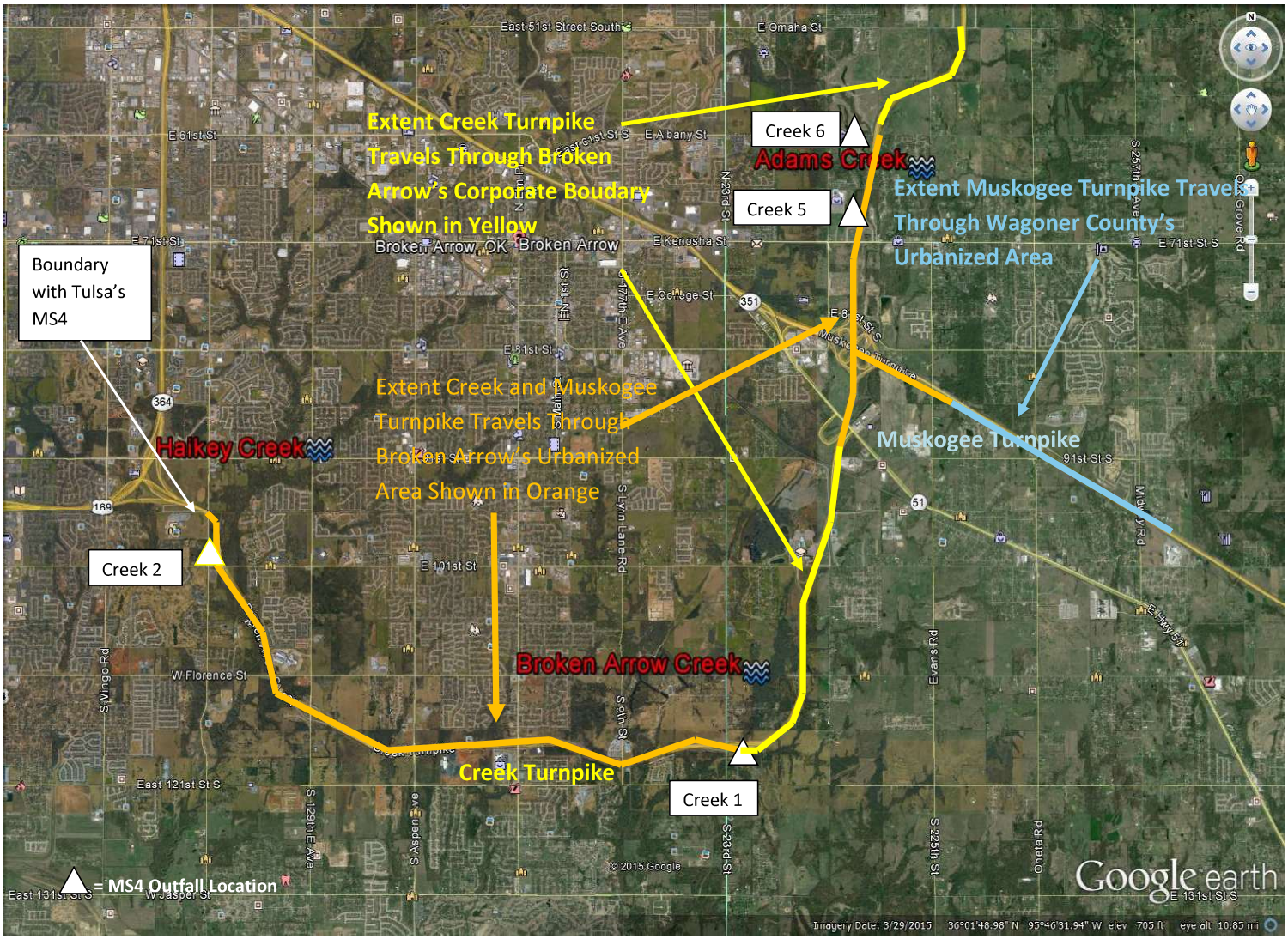
OTA Maintenance Facilities within MS4 Boundaries

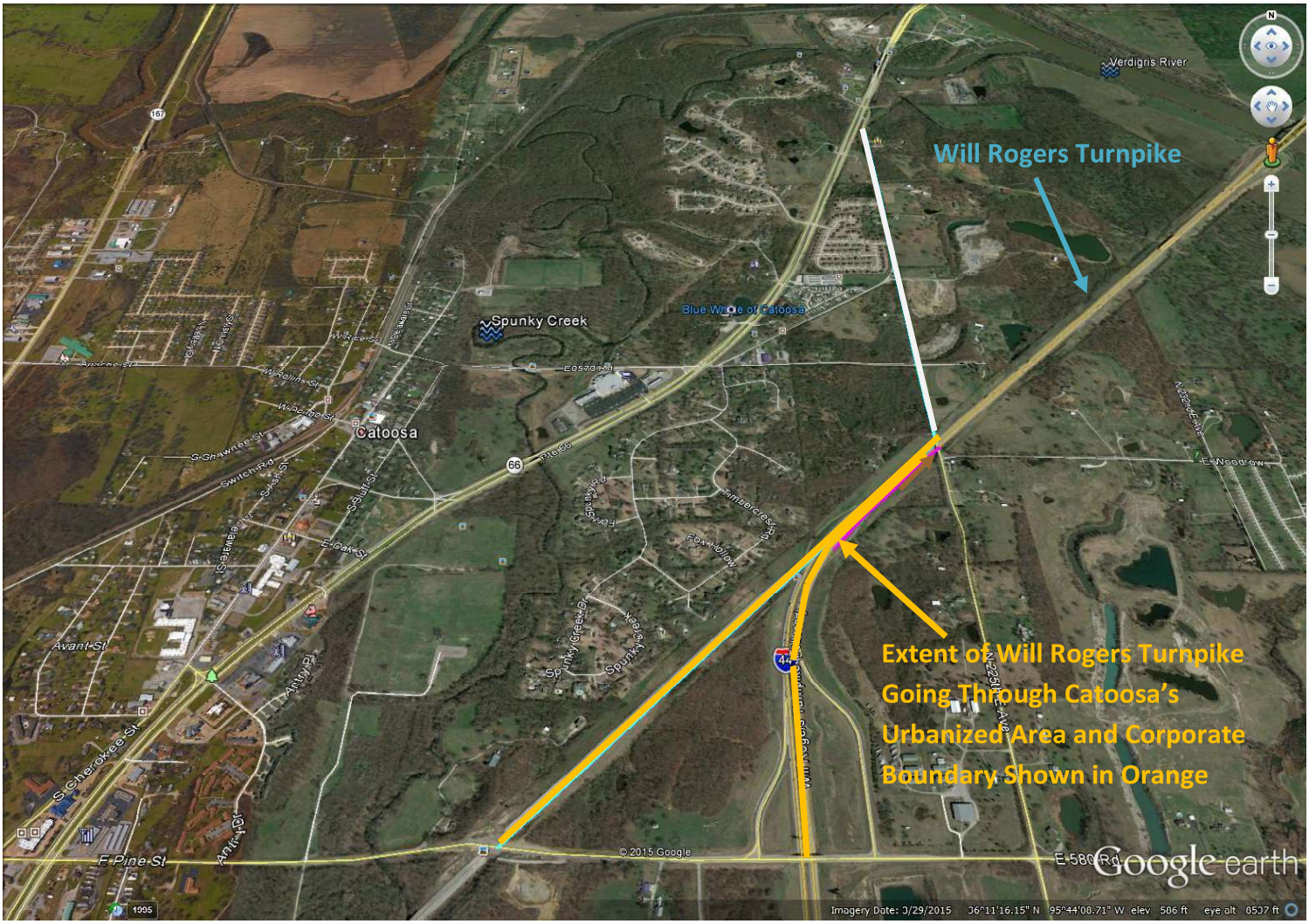
Maintenance Facility	Turnpike	MS4 City	Receiving Streams
Kenosha Maint. Facility	Creek	Broken Arrow	Unnamed Tributaries to Adams Creek
Miami Salt Barn	Will Rogers	Miami	Unnamed Tributaries to Little Elm Creek and Tar Creek

APPENDIX B

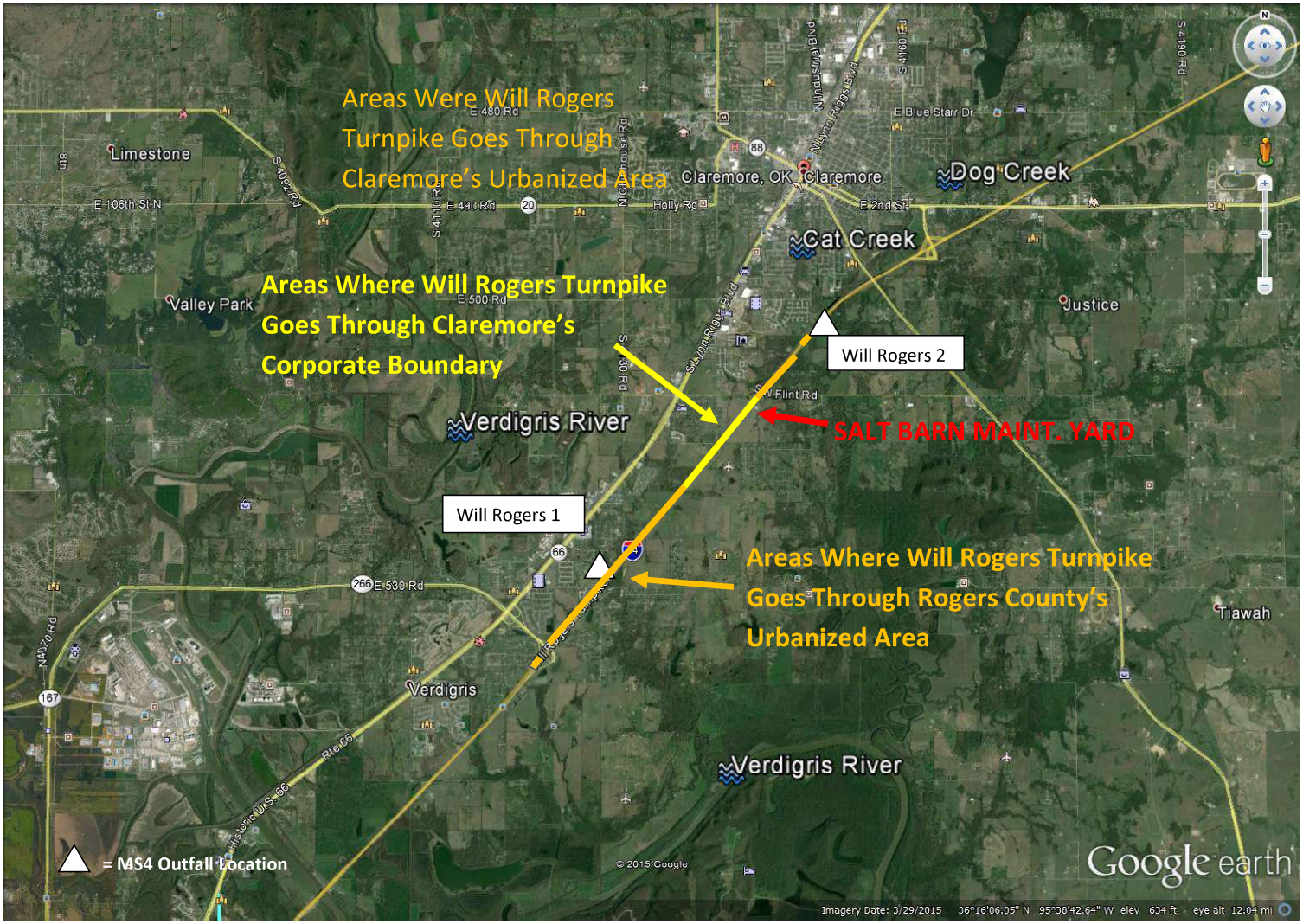
MAPS of OTA MS4 BOUNDARIES

Broken Arrow and Wagoner County MS4

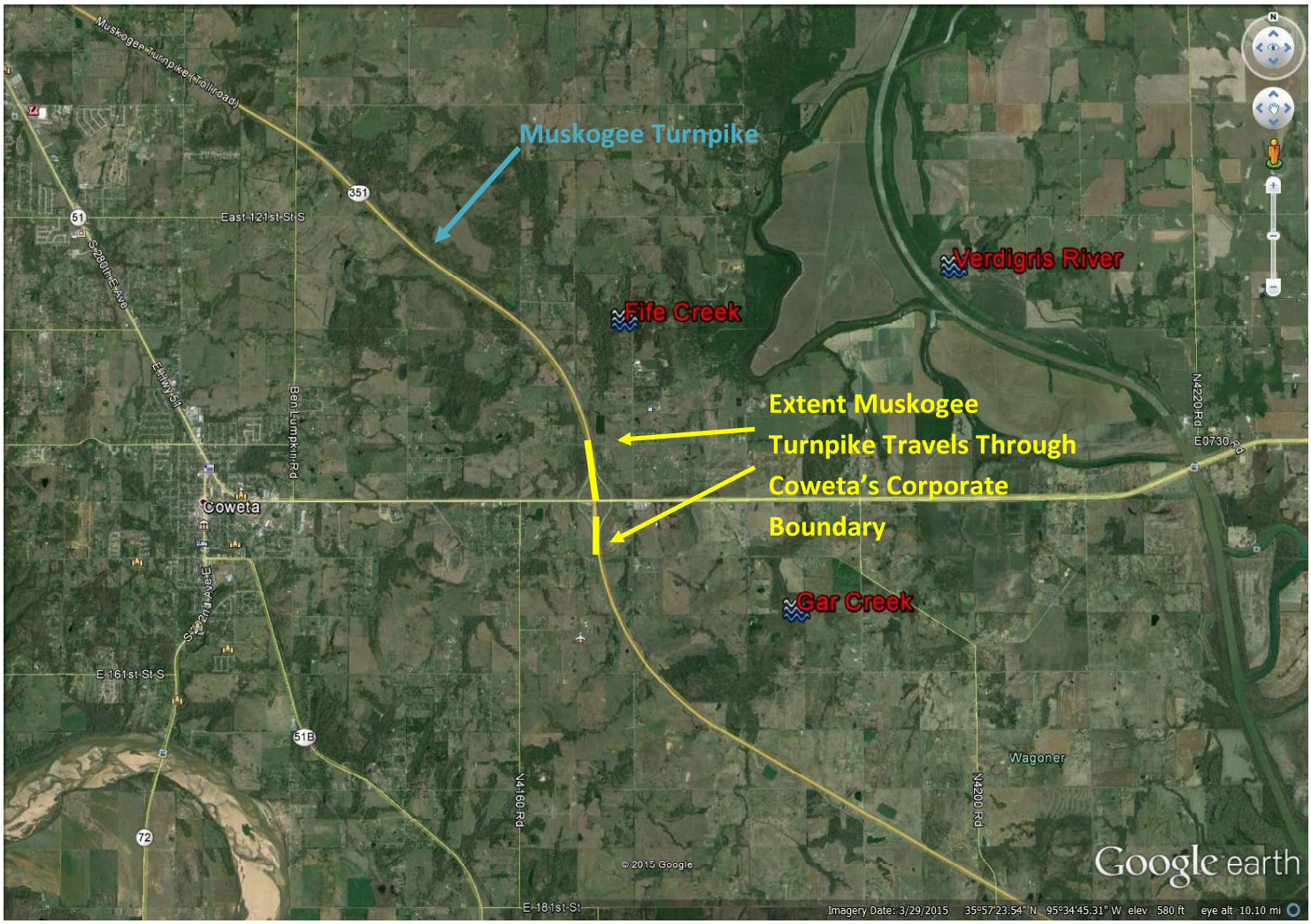



Will Rogers Turnpike
Extent of Will Rogers Turnpike Going Through Catoosa's Urbanized Area and Corporate Boundary Shown in Orange
Verdigris River
Spunky Creek
Catoosa
E Pine St
Avant St
S Cherokee St
© 2015 Google
Google earth

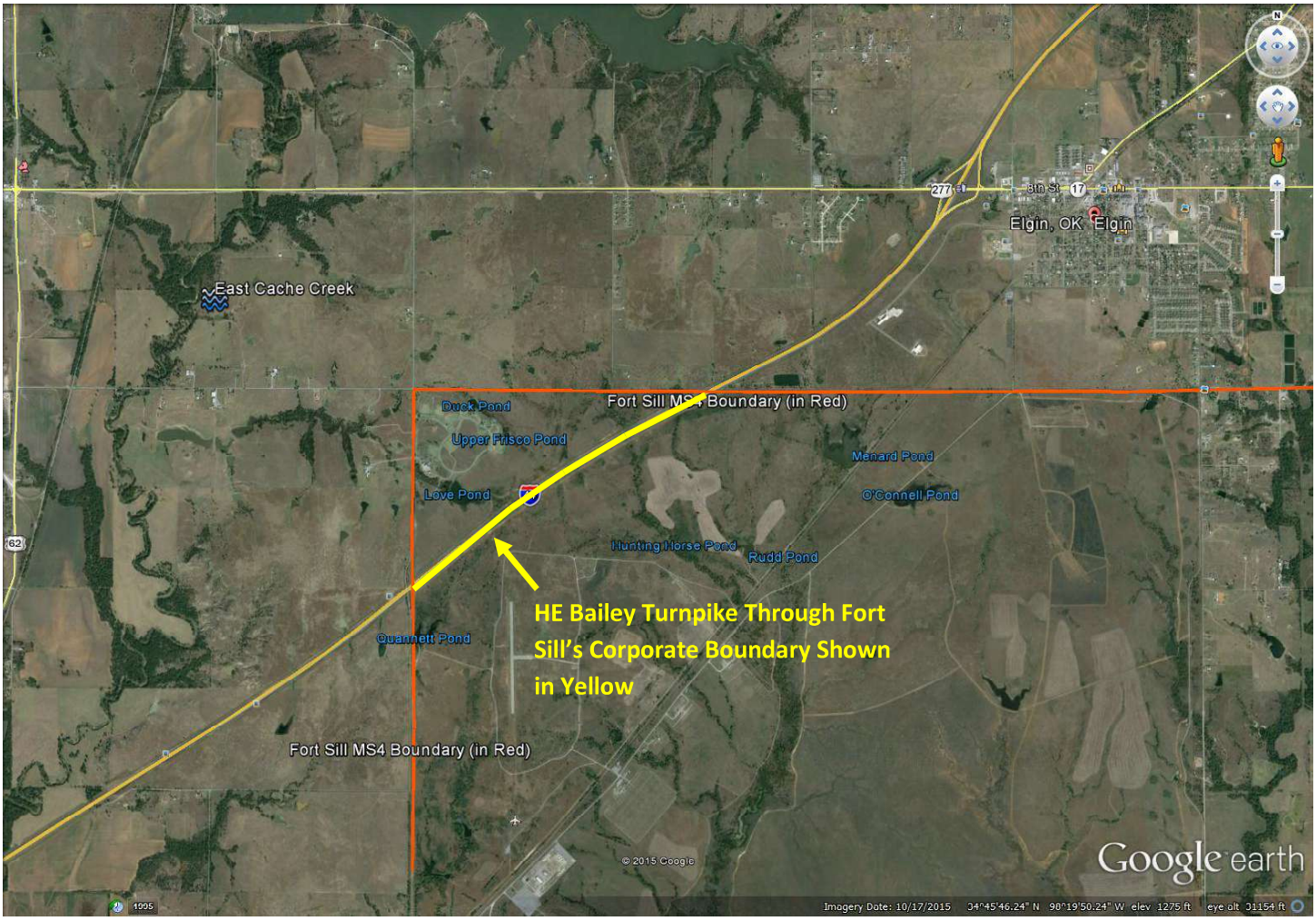
City of Claremore's and Rogers County's MS4 Areas



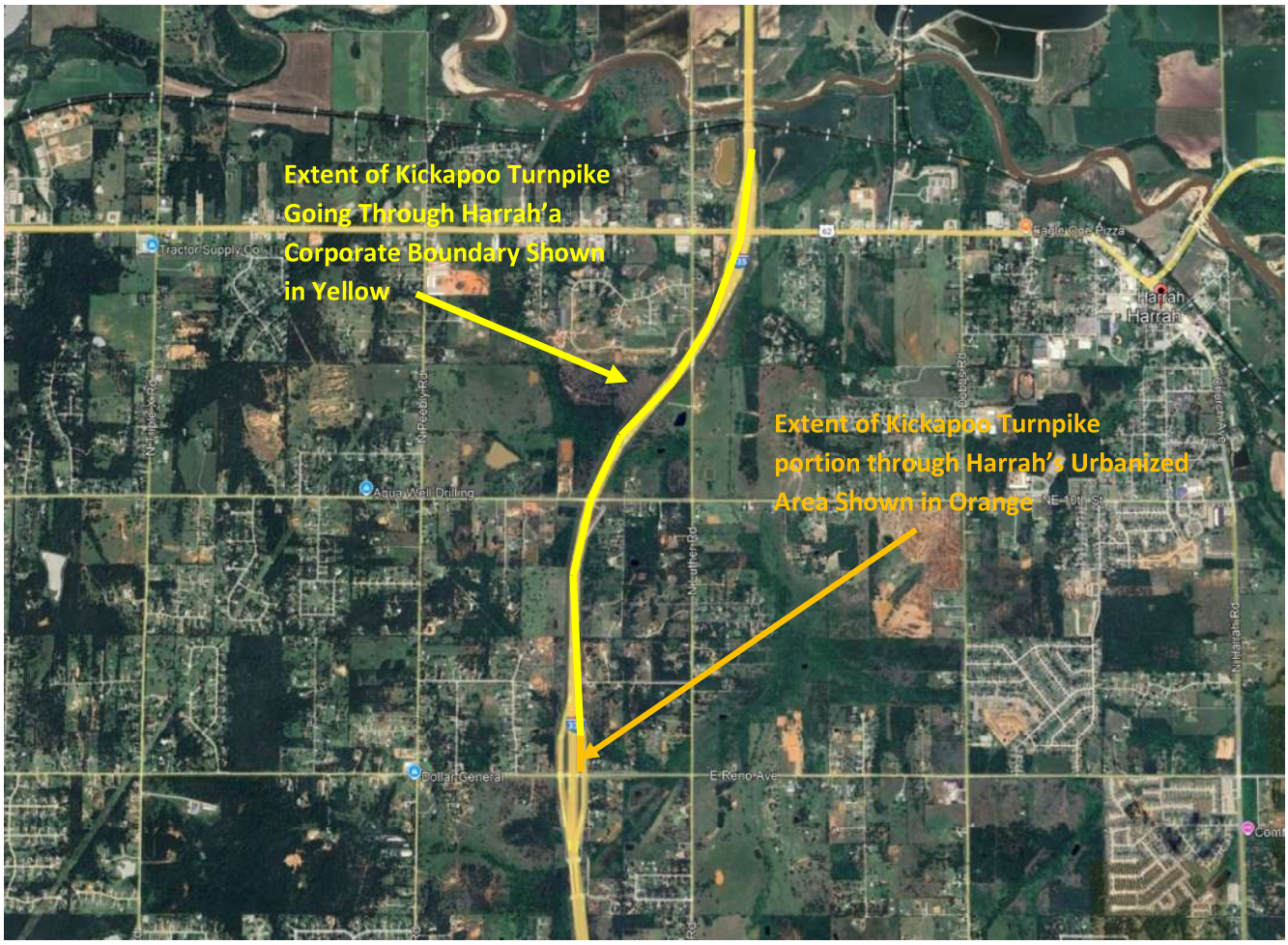
Coweta MS4


Muskogee Turnpike
Verdigris River
Fife Creek
Extent Muskogee Turnpike Travels Through Coweta's Corporate Boundary
Gar Creek
Coweta
Wagoner
East 121st St S
E 161st St S
E 181st St
Ben Lumpkin Rd
N4220 Rd
N4160 Rd
N4200 Rd
E0730 Rd
S 280th E Ave
E Hwy 51
51
351
51B
72
© 2015 Google
Google earth
Imagery Date: 3/29/2015 35°57'23.54" N 95°34'45.31" W elev 580 ft eye alt 10.10 mi

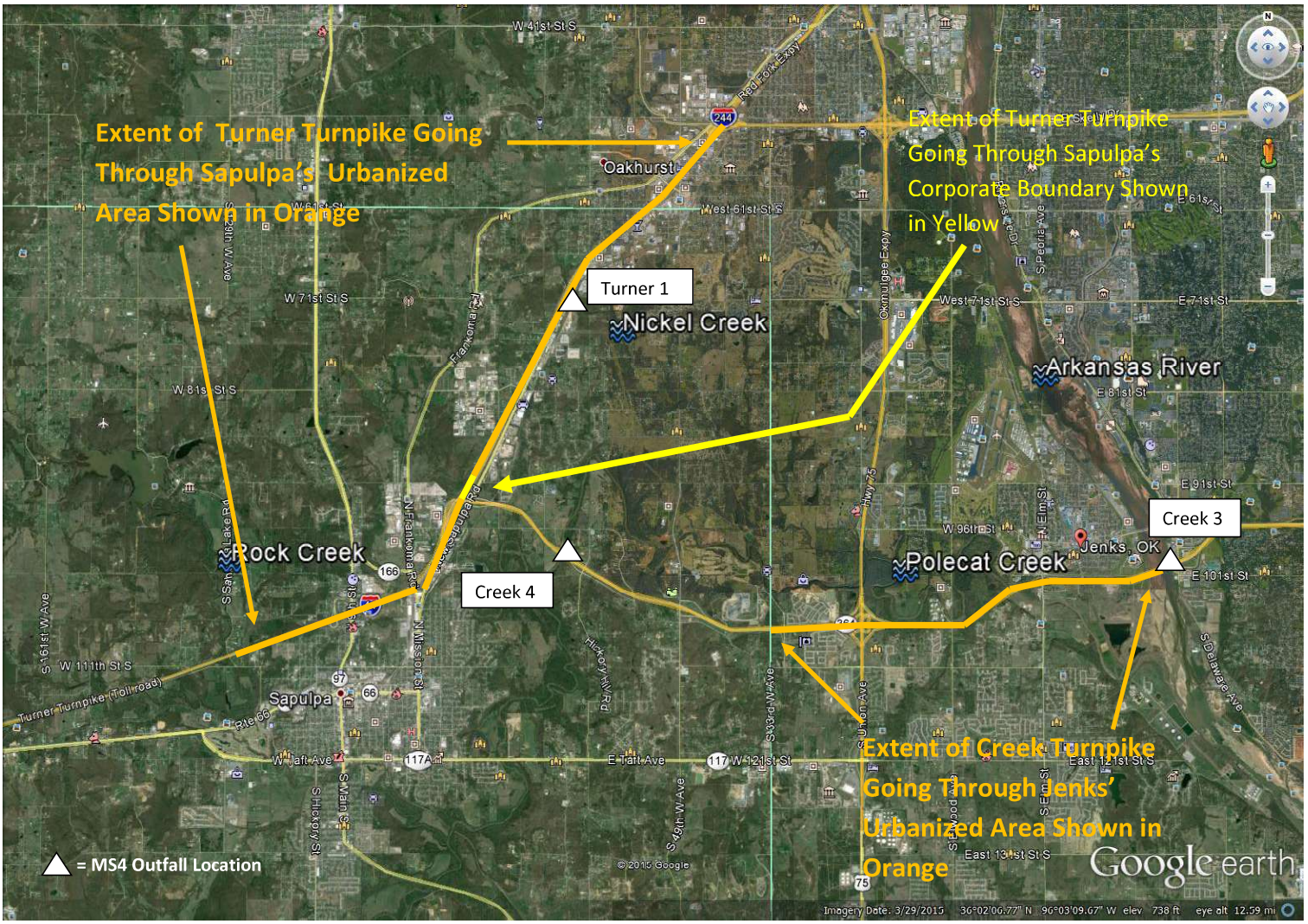
FORT SILL MS4



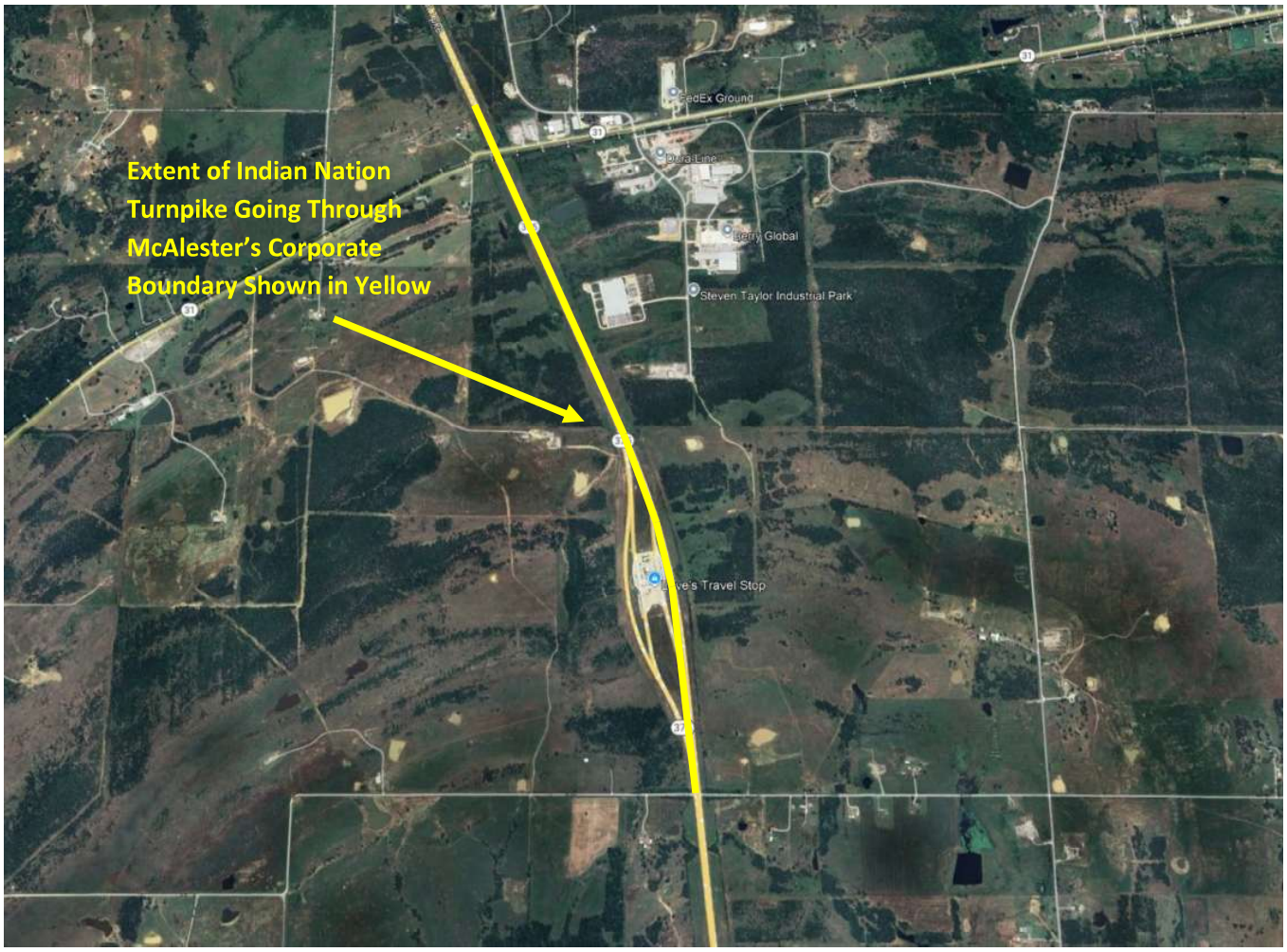
Harrah MS4


Extent of Kickapoo Turnpike Going Through Harrah'a Corporate Boundary Shown in Yellow
Extent of Kickapoo Turnpike portion through Harrah's Urbanized Area Shown in Orange
Tractor Supply Co
Eagle Cap Pizza
Harrah
Harrah
N Peebly Rd
Aqua Well Drilling
NE 10th St
Southern Rd
Dollar General
E Reno Ave
N Harrah Rd

Jenks and Sapulpa MS4 Areas



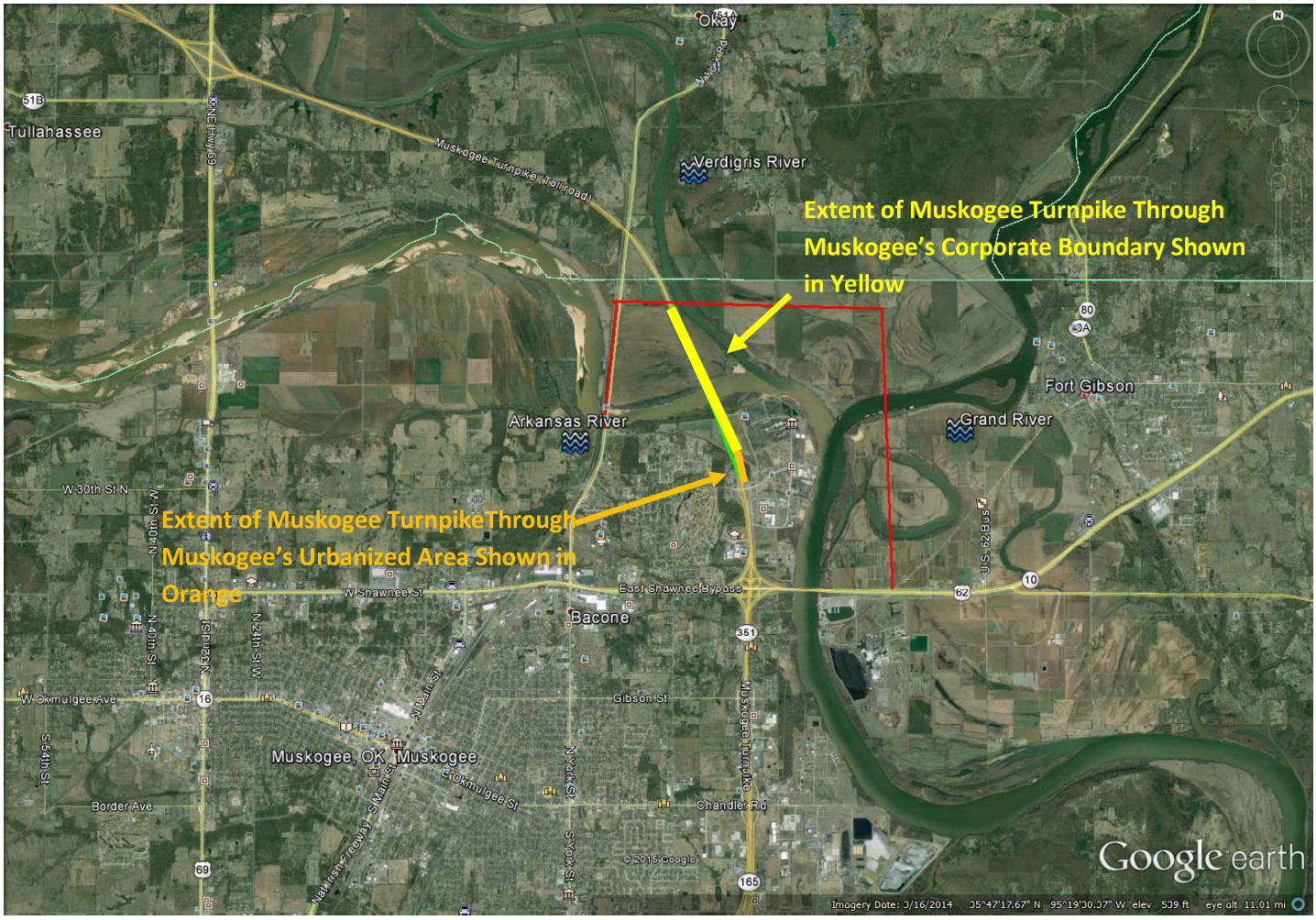
McAlester MS4



Miami MS4


Will Rogers Turnpike Through Miami's Coprporate Boundary (0.5 miles) in Yellow
Will Rogers Turnpike Through Miami's Urbanized Area (1.08 miles) in Orange
Will Rogers 3
Will Rogers Turnpike (Toll Road)
State Highway 10A
Industrial Pkwy
N Main St
Miami, OK Miami
3rd Ave SW
3rd Ave SE
NE Hwy 69
S Main St
East Street SW
E 110 Rd
E 100 Rd
Tar Creek (Impaired)
Neosho River (Impaired)
E 120 Rd
20th Ave SW
S 570 Rd
S 610 Rd
= MS4 Outfall Location
Dotyville
© 2015 Google
Google earth
Imagery Date: 3/29/2015 36°51'57.59" N 94°50'45.33" W elev 774 ft eye alt 33681 ft

Muskogee MS4



APPENDIX C

SUMMARY TABLE RELATING BMPs to

MINIMUM CONTROL MEASURES

MCMs → / BMPs ↓	Public Education and Involvement	Illicit Discharge	Construction	Post Construction Management	Good Housekeeping
Policy for Chemical Storage and Disposal		X			X
Training Module for Good Housekeeping at Maintenance Facilities					X
Training Module for Illicit Discharges for Maintenance Staff		X			X
Education Event for Construction Contractors			X	X	
Public Education Event	X				
Public Participation Event	X				
Training Module for Pesticides					X
Develop OTA MS4 System Maps		X			
Highway Design Pollution Prevention Practices			X	X	

	Public Education	Illicit Discharge	Construction	Post Construction	Good Housekeep
Toll Free Telephone Number		X		X	X
Spill Prevention/Clean-up Policy and Procedures		X			X
Prepare Annual Reports for DEQ	X	X	X	X	X
Stormwater Section on OTA's Website	X				X
Clean-up Events and Litter Programs	X	X		X	X
Storm System Conveyance Inspections		X		X	X
Inspections to Detect Illicit Discharges		X			X
Inspection Program for Erosion and Sediment and Control			X	X	X
SWPPP for OTA Maintenance Facilities				X	X
Policies and Practices for Erosion and Sediment Control			X	X	X
Site Plan Review for Erosion and Sediment Control			X	X	

APPENDIX D: SUMMARY TABLES FOR EACH BMP

BMP Number:	**1**				
BMP Title:	**Policy for Chemical Storage and Disposal**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X			**X**
BMP Description:	Develop written policy that addresses proper use, storage, and disposal of on-site chemicals at OTA facilities and roadways in MS4 areas.				
Suitable For:	All OTA maintenance staff.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering, Safety, and Maintenance Staff at OTA Headquarters				
Implementation Status and Date	The current policy will be updated by February 1, 2025. SDS sheets for magnesium chloride and herbicides will be kept at Maintenance Facilities.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
2/1/2025	Update policy	Complete by 2/1/2025
Each calendar year	Revise policy as needed	Annually

BMP Number:	**2**				
BMP Title:	**Training Module for Good Housekeeping at Maintenance Facilities**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
					X
BMP Description:	Develop a training program targeted toward OTA maintenance staff in good housekeeping and pollution prevention at OTA Maintenance yards. Training would include modules for sand, salt, and chemical storage as well as pollutant prevention strategies.				
Suitable For:	All OTA maintenance staff.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering and Maintenance Staff at OTA Headquarters				
Implementation Status and Date	This BMP is revised from the previous "Training Module for Maintenance Activities" BMP. The revised BMP is focused on good housekeeping. The BMP includes updating Maintenance facility SWPPPs as needed.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Odd calendar years starting in 2025	In-house training (as needed) or external training source	Every other year

BMP Number:	**3**				
BMP Title:	**Training Module for Illicit Discharges for Maintenance Staff**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X			**X**
BMP Description:	Develop a training program targeted toward OTA maintenance staff about illicit discharge response and investigation.				
Suitable For:	All OTA maintenance staff.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering and Maintenance Staff at OTA Headquarters				
Implementation Status and Date	This is a new BMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Even calendar years starting in 2025	In-house training (as needed) or external training source	Every other year

BMP Number:	**4**				
BMP Title:	**Education Event for Construction Contractors**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
			X	**X**	
BMP Description:	Develop a training program on storm water requirements and pollution prevention practices such as erosion and sediment control, non-structural BMPs, maintenance of BMPs,d and site plan development.				
Suitable For:	OTA construction contractors				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering Staff at OTA Headquarters				
Implementation Status and Date	This BMP is revised from the previous "Training Module for Stormwater Regulations."				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	In person conference each year. Currently this is met by the C4 Conference	Annually

BMP Number:	**5**				
BMP Title:	**Public Education Event**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X				
BMP Description:	Host or sponsor a minimum on one in-person public education event each year.				
Suitable For:	The general public.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering Staff at OTA Headquarters				
Implementation Status and Date	This is a new BMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Home and Garden Show or alternative	Annually

BMP Number:	**6**				
BMP Title:	**Public Participation Event**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X				
BMP Description:	Host or sponsor a minimum on one in-person public participation event each year.				
Suitable For:	The general public.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering Staff at OTA Headquarters				
Implementation Status and Date	This is a new BMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Municipal waste disposal or COSWA sponsored event	Annually

BMP Number:	**7**				
BMP Title:	**Training Module for Pesticides**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
					X
BMP Description:	Train OTA staff in the proper handling and application of pesticides.				
Suitable For:	All OTA maintenance staff.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Maintenance Staff				
Implementation Status and Date	This BMP is continued from the previous SWMP. OTA Maintenance staff are certified annually by the Oklahoma Department of Agriculture.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	100% of herbicide handlers and appliers are certified by the Oklahoma Department of Agriculture	Annually

BMP Number:	**8**				
BMP Title:	**Develop OTA System Maps**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X			
BMP Description:	Within the urbanized area, map OTA MS4 outfalls and roadway extents.				
Suitable For:	All OTA maintenance staff.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering Staff				
Implementation Status and Date	This BMP is continued from the previous SWMP. The extent of OTA roadways that travel through MS4 areas have been mapped and are shown in Appendix B. Outfall locations are included.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Update system maps as needed	Annually

BMP Number:	**9**				
BMP Title:	**Highway Design Pollution Prevention Practices**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
			X	**X**	
BMP Description:	Construction plans should include appropriate construction and post-construction BMPs for projects in SMS4 areas involving 1 acre or more.				
Suitable For:	OTA staff, contractors, and consultants.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering and Maintenance Staff				
Implementation Status and Date	This BMP is revised to reference the ODOT Standard Specifications rather than the OTA Standard Specifications. During the design phase OTA will consider structural and non-structural BMPs to reduce runoff, reduce pollutants carried by runoff, or capture and treat runoff for OTA projects in MS4 areas.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Continuously	Continue implementation of ODOT Standard Specifications for Construction	100% of turnpike construction projects
Continuously	During the design phase, look for opportunities to implement post-construction BMPs to minimize stormwater runoff from OTA project areas after construction is completed	Consider for all projects in SMS4 areas

BMP Number:	**10**				
BMP Title:	**Toll Free Telephone Number**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X			**X**	**X**
BMP Description:	Implement a toll-free number the public can utilize to report littering.				
Suitable For:	OTA staff and general public.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering, IT, and Customer Service				
Implementation Status and Date	This BMP is continued from the previous SWMP but is slightly revised to focus on littering. The stormwater reporting will be part of the website BMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Continuously	Maintain OTA litter phone number and track number of calls	Continuously

BMP Number:	**11**				
BMP Title:	**Spill Prevention/Clean-up Policy and Procedure**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X			**X**
BMP Description:	Develop a spill prevention/clean-up policy for OTA Maintenance staff.				
Suitable For:	OTA Maintenance staff				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering, Safety, and Maintenance Staff				
Implementation Status and Date	The current policy will be updated by February 1, 2025.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
2/1/2025	Update policy	Complete by 2/1/2025
Each calendar year	Revise policy as needed	Annually

BMP Number:	**12**				
BMP Title:	**Prepare Annual Reports for DEQ**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X	**X**	**X**	**X**	**X**
BMP Description:	Submission of annual report to DEQ summarizing OTA's progress in meeting goals set for the five MCMs.				
Suitable For:	Reviewing agencies, OTA staff, and the general public				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering				
Implementation Status and Date	This BMP continued from the previous SWMP.				

Target Dates/Milestones	**Suggested Measurable Goal**	**Frequency**
April 30 each calendar year	Submit annual report	Annually

BMP Number:	**13**				
BMP Title:	**Stormwater Section on OTA's Website**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X				**X**
BMP Description:	Develop a stormwater section on OTA's website that can be used to 1) post up-to-date information on OTA's stormwater permits, 2) provide contact information so that the public can submit comments, and 3) post brochures and other educational information.				
Suitable For:	OTA staff and the general public				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering and IT staff				
Implementation Status and Date	This BMP is continued from the previous SWMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Maintain website and track number of hits	Continuously
Each calendar year	Revise and update website	Annually

BMP Number:	**14**				
BMP Title:	**Clean-up Events and Litter Program**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
	X	**X**		**X**	**X**
BMP Description:	Implement daily and annual clean-up events for OTA roadways. Clean-ups are done by OTA employees, not members of the public. Send notices to people reported littering from the cars.				
Suitable For:	OTA staff and the general public				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering and Maintenance staff				
Implementation Status and Date	This BMP is continued from the previous SWMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Turnpike roadside trash pickup	Daily
Each calendar year	Participate in Great American Cleanup	Annually
Each calendar year	Notices are sent to people reported to be littering from cars	100% of instances where sufficient contact information is provided

BMP Number:	**15**				
BMP Title:	**Storm System Conveyance Inspections**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X		**X**	**X**
BMP Description:	Make sure culverts and other conveyances are in good order. Maintenance personnel in SMS4 areas to inspect conveyances at Maintenance facilities carrying stormwater offsite as part of their SWPPP.				
Suitable For:	OTA Maintenance staff				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Maintenance staff, OTA General Consultant				
Implementation Status and Date	This BMP is continued from the previous SWMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Inspect all OTA system stormwater culverts	50% each year
Each calendar year	Inspect Outfalls at Maintenance facilities as part of each facility's SWPPP	Annually

BMP Number:	**16**				
BMP Title:	**Inspections to Detect Illicit Discharges**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
		X			**X**
BMP Description:	Develop an inspection program to detect illicit discharges on OTA property. This program will have three parts: 1) OTA will inspect select outfalls in SMS4 areas. Locations where outfall are in heavily industrialized areas have the highest priority. 2) OTA will search for illicit discharges during routing culvert inspections. 3) OTA will inspect Maintenance yards in SMS4 areas as part of BMP 15.				
Suitable For:	OTA Maintenance staff				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Maintenance staff, OTA General Consultant				
Implementation Status and Date	The current policy for illicit discharges will be updated by 2/1/25. Outfalls will be inspected per the schedule shown on page 13 of the SWMP. Routine culvert inspections that were in effect were in effect throughout the previous permit term will be continued in the new permit.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
2/1/2025	Locate Outfalls for monitoring in SMS4 areas	Complete by 2/1/2025
2/1/2025	Develop policy for investigation of illicit discharges in SMS4 areas	Complete by 2/1/2025

Each calendar year	Investigate reports of illicit discharges	Within 72 hours of receiving report
Each calendar year	Inspect Outfalls for evidence of illicit discharge	20% each year plus priority outfalls
Each calendar year	Inspect all OTA system stormwater culverts	50% each year

BMP Number:	**17**				
BMP Title:	**Inspection Program for Erosion and Sediment Control**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
			X	**X**	**X**
BMP Description:	Develop an inspection program to evaluate the effectiveness of erosion and sediment control practices for construction and post construction BMPs in SMS4 areas.				
Suitable For:	OTA staff, contractors, and consultants.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering, OTA Maintenance, On-site Representatives, Consultants, and Contractors				
Implementation Status and Date	This BMP is being continued from the previous SWMP. Inspections are now covered by ODOT Standard Specifications rather than OTA Standard Specifications. Post Construction inspections if applicable per BMP 9.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
All construction projects	OTA Contractor conducts inspections per OTA Standard Specifications	Minimum weekly for 100% of Projects
All construction projects	OTA On-site Representative construction inspections	Minimum weekly for 100% of Projects

Capital plan projects in SMS4 areas	OTA Engineering in house audits of construction sties	Minimum once per project – see schedule on page 20 of the SWMP
All projects with post-construction BMPs	OTA Engineering onsite inspection	First two years following construction
Each calendar year	Inspect completed Turnpike projects for erosion problems	Continuously through ongoing Maintenance activities

BMP Number:	**18**				
BMP Title:	**SWPPPs for OTA Maintenance Facilities**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
				X	**X**
BMP Description:	Develop a stormwater pollution prevention plan for OTA Maintenance facilities within or adjacent to SMS4 areas.				
Suitable For:	OTA Maintenance staff				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering and Maintenance Staff				
Implementation Status and Date	This BMP is being revised to remove the LID goal which will be covered under the Site Plan Review BMP.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
2/1/2025	Develop SWPPP for the Kenosha Maintenance facility and update the SWSPPP for the Miami Maintenance facility	Complete by 2/1/2025
Each calendar year	Implement SWPPP for OTA Maintenance facilities	Continuously
Each calendar year	Review and revise SWPPP	Annually

BMP Number:	**19**				
BMP Title:	**Policies and Practices for Erosion and Sediment Control**				
Minimum Control Measure Addressed:	Public Education and Involvement	Illicit Discharge	Construction	Post Construction	Housekeeping
			X	**X**	**X**
BMP Description:	Develop policy and procedures for erosion and sediment control for construction projects involving 1 acre or more. This BMP entails the actual erosion control practices as opposed to inspections required by BMP 14.				
Suitable For:	OTA staff, contractors, and consultants.				
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357		Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	OTA Engineering, OTA Maintenance, On-site Representatives, Consultants, and Contractors				
Implementation Status and Date	This BMP combines the Erosion and Sediment Control and Policies and Practices for Erosion and Sediment Control BMPs that were used in OTA's previous SWMP. The Oklahoma Department of Transportation Standard Specifications for roadway construction (2019) will be in effect.				

Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Continue implementation of ODOT Standard Specifications	100% of turnpike construction projects

BMP Number:	**20**					
BMP Title:	**Site Plan Review for Erosion and Sediment Control**					
Minimum Control Measure Addressed:	Public Education	Public Participation	Illicit Discharge	Construction	Post Construction	Housekeeping
				X	**X**	
BMP Description:	Develop a program and requirements for review and updates of site-specific erosion and sediment control plan.					
Suitable For:	OTA staff, consultants and contractors.					
Source for More Information	Edward Dihrberg 3500 N. Martin Luther King Oklahoma City, OK 73136-0357			Phone: 405-425-7449 Email: edihrberg@pikepass.com		
Staff Responsible for this BMP	Engineering Staff at OTA Headquarters					
Implementation Status and Date	This BMP is being continued from the previous SWMP.					

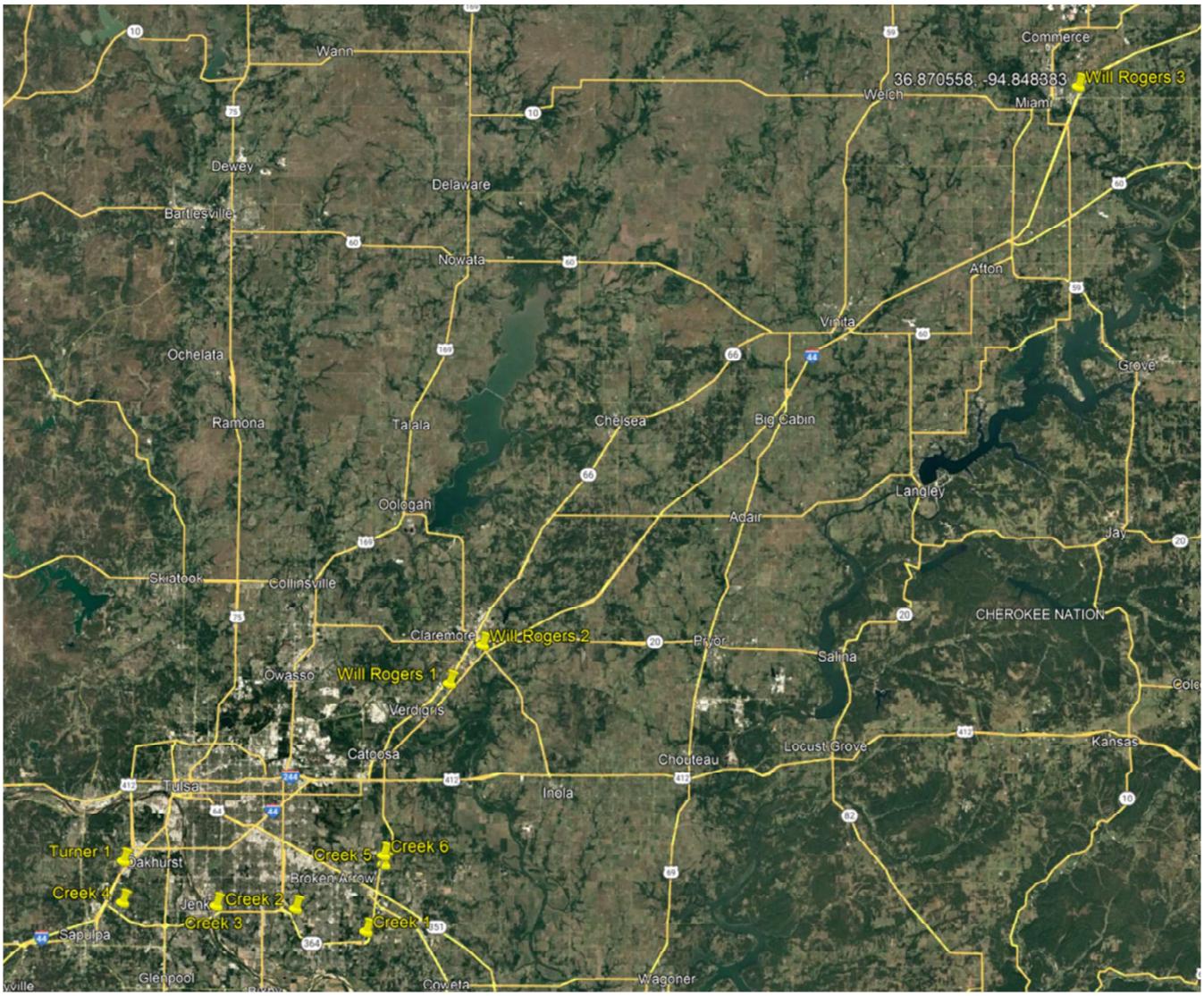
Target Dates/Milestones	Suggested Measurable Goal	Frequency
Each calendar year	Minimum of two plan reviews for projects disturbing 1 acre or more	All projects
Each calendar year	Look for opportunities to implement a low impact development project at an OTA Maintenance yard in or adjacent to an SMS4 area	All projects

APPENDIX E

TABLE OF OKLAHOMA TURNPIKE AUTHORITY OUTFALLS & STORM SYSTEM SEWER MAP

LOCATION OF OTA OUTFALLS MONITORED FOR ILLICIT DISCHARGES

Turnpike	Current Designation	Previous Designation	Latitude, Longitude	Description
Creek	Creek 1	CRK007	35.994111, -95.758022	Broken Arrow
Creek	Creek 2	CRK006	36.016767, -95.848489	Haikey
Creek	Creek 3	N/A	36.018603, -95.950289	Arkansas River
Creek	Creek 4	CRK001	36.020775, -96.070303	Polecat Creek
Creek	Creek 5	CRK009	36.063667, -95.735811	Kenosha Maintenance yard. Outfall at SE corner of property
Creek	Creek 6	CRK008	36.072794, -95.736328	Adams
Turner	Turner 1	TRN001	36.06360, -96.069617	Turnpike over Nickel Creek
Wil Rogers	Will Rogers 1	N/A	36.250861, -95.653600	Turnpike over Chambers Creek.
Wil Rogers	Will Rogers 2	WR002	36.290706, -95.611603	Turnpike over Cat Creek. Outfall is ROW drainage into Cat Creek.
Wil Rogers	Will Rogers 3	WR004	36.870558, -94.848383	Miami Maintenance yard. Outfall at NE corner of property.



Oklahoma Turnpike Authority

OTA Storm System Sewer Map

= **Outfall**

February 2025

APPENDIX F
BMP Revisions for the 2025 SWMP

Current BMP No.	Title	Previous BMP No.	Title
1	Policy for Chemical Storage, etc.	2	Policy for Chemical Storage, etc.
2	Training Module for Housekeeping, etc.	3	Training Module for Maint. Activities
3	Training Module for Illicit Discharges	N/A	
4	Education Event for Const. Contractors	4	Training Module for SW Regulations
5	Public Education Event	N/A	
6	Public Participation Event	N/A	
7	Training Module for Pesticides	5	Training Module for Pesticides
8	Develop OTA System Maps	6	Develop OTA System Maps
9	Highway Design Pollution Prevent., etc.	7	Highway Design Pollution Prevent., etc.
10	Toll Free Telephone Number	8	Toll Free Telephone Number
11	Spill Prevention/Clean up Policy, etc.	9	Spill Prevention Cleanup Policy, etc.
12	Prepare Annual Reports for DEQ	10	Prepare Annual Reports for DEQ
13	Stormwater Section on OTA's Website	1 and 11	Brochure for WQ Impact/Stormwater Section on OTA's Website
14	Clean up Events and Litter Program	12	Clean-up Events and Litter Program
15	Storm System Conveyance Inspections	13	Storm System Conveyance Inspections
16	Inspections to Detect Illicit Discharges	14	Inspections to Detect Illicit Discharges
17	Inspection Program for Erosion, etc.	15	Inspection Program for Erosion, etc.
18	SWPPPs for OTA Maint. Facilities	16	SWPPPs for OTA Maint. Facilities
19	Policies and Practices for Erosion, etc.	17	Policies and Practices for Erosion, etc.
20	Site Plan Review for Erosion etc.	18	Site Plan Review for Erosion, etc.