

NOTICE OF INTENT
for
**TEXAS POLLUTANT DISCHARGE ELIMINATION
SYSTEMS GENERAL PERMIT NO. TXR040000**
and
STORMWATER MANAGEMENT PLAN

CITY OF HARKER HEIGHTS, TEXAS



February 2025



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TABLE OF CONTENTS

	<u>Page Number</u>
Minimum Control Measure 1:	1
Public Education, Outreach	1
Programs and BMPs in place from previous SWMP(s)	1
BMP #1-1: Designated Stormwater Coordinator (SWC)	2
BMP #1-2: Stormwater Information to the City’s Website	2
BMP #1-3: Stormwater Committee	3
BMP #1-4: Develop Brochures and Distribute to the Public	3
BMP #1-5: Distribute Fact Sheet on Pet Waste	4
BMP #1-6: Hold Annual Household Hazardous Waste Day	4
BMP #1-7: Install and Maintain Signs at Key Stormwater Outfalls	5
BMP #1-8: Youth Group to Stencil Catch Basins and Flumes	5
New BMPs to be Implemented	5
BMP #1-9: Social Media Campaigns and Posts	5
Minimum Control Measure 2:	7
Public Involvement/Participation	7
Programs and BMPs in place from previous SWMP(s)	7
BMP #2-1: Comply with State Public Notification Guidelines	7
BMP#2-2: Public Meeting for Input on the SWMP Program Implementation	8
New BMPs to be Implemented	8
BMP #2-3: Volunteer Water Quality Monitoring	8
BMP# 2-4: Educational Outreach	8
Minimum Control Measure 3:	9
Illicit Discharge Detection and Elimination	9
Programs and BMPs in place from previous SWMP(s)	9

BMP #3-1: Map Outfalls and Receiving Waters..... 10
**BMP #3-2: Review and Develop Stormwater
Related Ordinances..... 10**
BMP #3-3: Program for Dry Weather Screening of Outfalls 11
**BMP #3-4: Review and Improve the Procedural System
for Detecting and Eliminating Illicit Discharges 12**
BMP #3-5: Training for City Employees 12
**BMP #3-6: System for Public to Report and Comment
On Illicit Stormwater Sightings and Issues..... 13**
BMP #3-7: Maintain Location-Based Stormwater Related Data ... 13
**BMP #3-8: Sampling, Testing, and Data Collection
Plan to Aid in Identifying/Eliminating Contaminant Sources..... 14**

Minimum Control Measure 4: 16

Construction Site Stormwater Runoff Control..... 16

Programs and BMPs in place from previous SWMP(s)..... 17

**BMP #4-1: Review Chapter 155 (Section 200, Building Permits)
and Chapter 156: Erosion and Sedimentation Ordinance
and Make Changes as Appropriate to Comply with Permit 17**
**BMP #4-2: Verify Procedures in Place Related
to Construction Projects..... 17**

New BMPs to be Implemented 19

BMP# 4-3: Construction Site Inspections..... 19

Minimum Control Measure 5: 20

**Post-Construction Stormwater Management
in New Development and Redevelopment..... 20**

Programs and BMPs in place from previous SWMP(s)..... 21

**BMP #5-1: Comprehensive Description of Post-Construction
Stormwater Management Program 21**
BMP #5-2: Developer Guidance Document..... 21
**BMP #5-3: Develop Materials Promoting the Reduction
of Stormwater Runoff and Pollutants..... 21**

Minimum Control Measure 6: 23

**Pollution Prevention/Good Housekeeping
For Municipal Operations..... 23**

Programs and BMPs in place from previous SWMP(s)..... 24

BMP #6-1: City Staff Training on Stormwater Management 24

BMP #6-2: City Facility O&M Program and Inventory 25

BMP #6-3: Targeted Wastewater Facilities Review 25

BMP #6-4: Seek Public Input on City Facilities and O&M..... 26

New BMPs to be Implemented 27

BMP #6-5: Pollution Prevention Measures 27

BMP #6-6: Assessment of City Owned Operations 27

BMP #6-7: BMP Hired Contractors..... 28

BMP #6-8: Identify Pollutants of Concern..... 28

BMP #6-9: Structural Control Maintenance..... 28

BMP Table 31

APPENDICES

Appendix A - Maps

- MS4 Boundary
- Receiving Waters (Aerial)
- Receiving Waters (Streets)
- Topography
- Floodplains - S Nolan Creek
- Floodplains - Trimmier Creek
- Floodplains - East
- Wetlands
- South Nolan Creek Wetlands
- Trimmier Creek Wetlands
- Wetlands - East

Appendix B - Notice of Intent

Appendix C - General Permit

MCMs require full implementation at the end of the 5 year GP.

Minimum Control Measure 1:

Public Education, Outreach

Federal rules at 40 CFR § 122.34(b)(1) require that small MS4 operators develop a public education program to distribute educational materials to the community or conduct equivalent outreach activities to inform the public about the impacts of MS4 operators' activities on stormwater. The General Permit (GP) allows the MS4 operator to determine the most appropriate sections of the population at which to direct the program; however, the MS4 operator must consider the specific groups that are listed in the GP, or provide justification in the Stormwater Management Plan (SWMP) if the MS4 operator determines that a listed group should not be included in the program.

The stormwater education and outreach must inform the public about the impacts that pollution from stormwater runoff can have on water quality, hazards associated with illegal discharges and improper disposal of waste and ways the public can minimize its impact on stormwater quality by taking steps to reduce pollutants. Traditional print media and mail-outs can be combined with local TV, social media, training, and outreach events to provide the community with multiple avenues to gain understanding and ownership of the watersheds they live in. It is anticipated that an educated public will understand the importance of stormwater management and as a result will more likely support the SWMP and comply with it.

The MS4 operator must comply at a minimum with any state and local public notice requirements when implementing a public involvement/ participation program.

Minimum Control Measures (MCM)1 must consider the following groups for inclusion in the outreach and justification must be provided for any listed group that is not included in the program: residents; visitors and tourists; schools, education organizations public service employees; businesses (including home based and mobile); institutions (churches, hospitals, and service organizations) commercial and industrial facilities; developers, and construction site personnel.

Three main action items are important for the successful implementation of a Public Education, Outreach and Involvement Plan include forming partnerships, using educational materials and strategies and reaching diverse audiences in the community.

Programs and BMPs in place from previous SWMP(s)

The City of Harker Heights has implemented the following Best Management Practices (BMPs) to address MCM1:

BMP #1-1 Designated Stormwater Coordinator (SWC)
This BMP applies to all Control Measures.

Description: The City of Harker Heights City Manager has designated the Assistant City Manager as the citywide SWC to facilitate the SWMP implemented by the City Council. The SWC works with all City departments to coordinate implementation of applicable BMPs, coordinate permit compliance and reporting, and oversee all remaining aspects of the SWMP. The SWC shall participate in an annual review of the SWMP in conjunction with preparation of the annual report. Results and date(s) of the review shall be documented in the annual report. The SWC will be responsible for the implementation of all BMPs unless noted in the SWMP.

Measurable goal: Maintain an officially designated Stormwater Coordinator (SWC) who supports City efforts to facilitate the SWMP implemented by the City Council.

Schedule: The designated SWC is confirmed each year through the permit term. SWC shall submit annual report by March 31 of the following year and revise or amend the SWMP Plan if necessary. Reports are submitted electronically to TCEQ.

Responsible person/department: Assistant City Manager

BMP #1-2: Stormwater Information to the City's Website
<https://harkerheights.gov/index.php/stormwater>

Description: The City of Harker Heights has developed a stormwater quality page on its website. The goal of this site is to inform residents and business owners about stormwater quality issues and includes contact information for the Stormwater Hotline to report pollution. The website has a full copy of the NOI, this 2025 SWMP and also displays brochures developed as well as other information related to protecting and improving stormwater quality.

The stormwater page includes links to other sites such as the EPA, TCEQ, information about household hazardous waste collection days, information on street sweeping and other City initiatives, and information about the hazards of illicit discharges and improper disposal of waste into the stormwater system.

Schedule: Year 1 of permit term: Post a full copy of this SWMP prepared in accordance with the new GP issued August 15, 2024. Add electronic map of the Outfall and Receiving Waters as described in MCM2. Add a description and links to the Watershed Protection Plan prepared for Nolan Creek/South Nolan Creek and TCEQ's webpage describing the project.

Years 2-5: Update website each year of the permit period and provide emergency update as needed. Post a copy of the annual reports and update webpage for “Stormwater Best Management Practices to be implemented in the City of Harker Heights during the upcoming year”.

BMP #1-3: Stormwater Committee

Description: Maintain a stormwater committee. The SWC will chair the committee and members will include City representatives including Council Member(s) and at least one appointed member from each of the following departments Engineering, Water, Wastewater, Street and Drainage, Planning, and Code Enforcement/Permitting. The committee will hold meetings in accordance with the Open Meetings Act, including posting notices on the City website. Residents and other stakeholders will be invited to speak on stormwater quality issues.

The purpose of the stormwater committee is to ensure compliance with the selected BMPs, track BMP implementation and documentation, identify new public outreach opportunities and BMPs, update department heads with ongoing stormwater issues, and to solicit input from the public and stakeholders.

Schedule: Confirm the committee standing each year of the permit term. Track meeting attendance, agendas, and topics of discussion, potential stormwater issues, initiatives, and decisions. Meet at least once each year of the permit term and more often if necessary to disseminate information.

BMP #1-4: Develop Brochures and Distribute to the Public

Description: The City will continue to develop brochures to educate the public on a variety of subjects such as explanation of a stormwater system, water conservation, household hazardous waste, wetlands and endangered species protection, on-site sewer systems, fertilizer use, litter, trash containment, balloon releases, yard waste, composting, illicit discharges, and improper disposal of contaminants.

Measurable Goal: Review and update previous brochures to ensure consistency with current guidelines and standards and distribute a brochure on stormwater management for each year of the permit period. Maintain a list of available brochures and a record of distribution.

Schedule: The brochure will be mailed with the City utility bills once each year during the permit term. The brochures will be available at City Hall, the Harker Heights Public Library, the Chamber of Commerce, social media pages and at specific related events of target audiences.

As each brochure is developed, it will be posted to the City's website and will be available throughout the remainder of the permit term so that new and prior brochures will be available on the website at the end of the permit term. The City will continue to expand its public education literature.

Establish a list of available brochures in year 1 of the permit and maintain throughout the permit term. Record the means of distribution and the number of brochures distributed.

BMP #1-5: Distribute Fact Sheet on Pet Waste

Description: The City has developed a fact sheet on pet waste and will update and distribute the sheet each year of the permit period to pet owners at pet stores, veterinarian clinics, pet adoptions, vaccination drives, and pet-related events.

Measurable Goal: Review the existing pet fact sheet and update the sheet or develop others. Fact sheet will be reviewed, and/or edited during the permit years 1-5. Distribution efforts will be ongoing and include targeting animal adoptions and other selected pet events.

Schedule: Update and distribute the fact sheet to all pet stores and veterinarian offices, with all animal adoptions, and at pet-related events once per year each year of the permit period.

Responsible person/department: SWC and/or Animal Control Supervisor.

BMP-#1-6: Hold Annual Household Hazardous Waste Day

Description: The City of Harker Heights will continue to hold hazardous waste collection day(s) where residents can drop off hazardous waste for proper disposal.

Measurable Goal: Hold a hazardous waste collection day at least once each year of the permit term.

Schedule: A hazardous waste collection day will be held by the City and/or coordinated with the Central Texas Council of Governments (CTCOG) and/or other entities and made available to the residents of Harker Heights in each year of the permit term.

BMP #1-7: Install and Maintain Signs at Key Stormwater Outfalls

Description: The City of Harker Heights has identified major stormwater outfalls having public access and has posted signs to inform the public of the streams and/or reservoirs (Trimmier Creek, Nolan Creek and Stillhouse Hollow Lake) into which the outfalls drain. Additional public access areas adjacent to streams tributary to Trimmier Creek, Nolan Creek and Stillhouse Hollow Lake will be identified for posting signs to inform the public of the stream destinations.

Measurable Goal: Ongoing program, sign installation and maintenance began during the last permit period, outfall signs and labels were installed. Record number of signs installed and locations.

Schedule: Maintain the existing signs and install one new sign each year of the permit period.

BMP #1-8: Youth Group to Stencil Catch Basins and Flumes

Description: The SWC in conjunction with local Boy and Girl Scout troops, church groups, and other youth groups for assistance in stenciling catch basins and flumes. Stenciling shall include inventory number data on flumes and catch basins and the message "DON'T POLLUTE, FLOWS TO WATERWAYS." The SWC will prioritize the areas to be stenciled.

Measurable Goal: Ongoing program contact at least four youth groups. Stencil 25 catch basins and/or flumes per year throughout the permit term. Record locations installed.

Schedule: Make contacts in the spring and arrange stenciling during the summer and fall each year of the permit term. Where all known stormwater inlets have been marked, inspect, and maintain the markers for a minimum of 15% of all known stormwater inlets in either high-impact areas identified by the MS4 or impaired watersheds each year.

New BMPs to be Implemented

BMP #1-9: Social Media Campaigns and Posts

Description: The City will develop social media campaigns and post to City sites and other local community social media platforms on stormwater education subjects. The message shall address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. The messages shall be seasonally appropriate.

Measurable Goal: Make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year.

Schedule: Develop campaigns Year 1 of permit term. Post a minimum of four times each year on a minimum of one social media platform through the remainder of the permit term.

More BMPs and topics that could be incorporated and initiated throughout the permit term:

- Use of Media:
 - Create stormwater videos to broadcast on social media and public access channel, provide to school districts for in class education usage.
 - Media/advertising campaign/public service announcements in areas of high visibility: Billboard/poster; Bus shelter/bench; radio/television/movie theatre; and kiosks.
 - Refrigerator magnets, posters, bumper stickers, promotional giveaways.
 - Publish articles in local newspaper or newsletter.

Minimum Control Measure 2:

Public Involvement/Participation

All permittees shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP. The City must create opportunities, or support activities that are coordinated by community groups, for residents and others to become involved with the SWMP. The activities/BMPs must demonstrate an impact on stormwater runoff by improving water quality. To be considered support given to the coordinating groups the City shall at minimum conduct at least one of the following or similar:

- (1) Plan, or assist with planning, the event or activity;
- (2) Contribute supplies, materials, tools, or equipment;
- (3) Provide assistance from MS4 staff during the activity;
- (4) Provide assistance with recruiting volunteers for events;
- (5) Make a space available for projects, meetings, or events;
- (6) Advertisement for the events;
- (7) Supply disposal services;
- (8) Arrange land or stream access;
- (9) Provide financial support; or
- (10) Provide donations of goods and services such as food.

The City of Harker Heights may partner with other MS4 operators to maximize the program and cost effectiveness of the required public involvement/participation activities. The City of Harker Heights has selected the following BMPs to address MCM2 in its Stormwater Management Plan:

Programs and BMPs in place from previous SWMP(s)

BMP #2-1: Comply with State Public Notification Guidelines

Description: The City will comply with the public participation requirements of Part II.E.12 of GP No. TXR040000.

Measurable Goal: Submit a copy of the notice and publisher's affidavit to the TCEQ Chief Clerk.

Schedule: Within 60 days of written notice from the office of the Chief Clerk.

Responsible person/department: SWC and/or City Secretary.

BMP#2-2: Public Meeting for Input on the SWMP Program Implementation

Description: City staff and contacts via the City's stormwater website page should be made available to answer questions and collect public comments. Conduct public meetings for input on the program implementation such as a city council meetings, board meeting, or stakeholder meetings shall be hosted for a minimum of one meeting annually.

Measurable Goal: The public has the opportunity for comment at Planning and Zoning Commission and City Council meetings. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.

Schedule: Once each year of the permit term.

Responsible person/department: SWC and/or City Secretary.

New BMPs to be Implemented

BMP-# 2-3 Volunteer Water Quality Monitoring

Description: Host or support water quality monitoring such as Texas Stream Team to conduct water quality monitoring activities.

Measurable Goal: To be considered an event, the monitoring must be conducted at a minimum once each year.

Schedule: Host or support a minimum one event annually each year of the permit term.

BMP-# 2-4 Educational Outreach

Description: Host or support an educational display/booth at a school, public event, or similar event to provide information or displays that work to improve public understanding of issues related to water quality. Topics should be tailored to specific communities and children.

Measurable Goal: The booth or display must be staffed during the time which the event is open to the public.

Schedule: Provide or support one booth or display at minimum annually each year of the permit term.

Minimum Control Measure 3:

Illicit Discharge Detection and Elimination

To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges and illegal dumping into the MS4. Elements must include:

- 1) Detection: Techniques used for detecting illicit discharges;
- 2) Investigation: Methodologies for investigating detected illicit discharges; and
- 3) Elimination: Appropriate actions and, to the extent allowable under state and local law, establish enforcement procedures for removing the source of an illicit discharge.

Non-stormwater flows listed in Part II.C and Part VI.B. do not need to be considered by the MS4 operator as illicit discharges requiring elimination unless the operator of the small MS4 or the executive director identifies the flows as a significant source of pollutant to the small MS4.

In lieu of considering non-stormwater sources on a case-by-case basis, the MS4 operator may develop a list of common and incidental non-stormwater discharges that are not referred to as illicit discharges requiring elimination. If this list is developed, the discharges must not be considered significant sources of pollutants either because of the nature of the discharge or the conditions established by the MS4 operator prior to accepting the discharge to the small MS4. In addition, all local controls and conditions established for these listed discharges must be described in the SWMP. Any changes to the SWMP must be included in the annual report described in Part IV.B.2 and must meet the requirements of Part II.D.3 of the GP.

Programs and BMPs in place from previous SWMP(s)

The City of Harker Heights has implemented the following BMPs to address MCM3 in its SWMP.

BMP-#3-1: Map Outfalls and Receiving Waters

Description: The City of Harker Heights has an electronic map of its storm sewer system. The system attributes include outfall locations, outfall types (pipe, flume, earth channel, etc.) and flow directions. Receiving waters are also identified.

Measurable Goal: Data for the existing map will be continually gathered and updated through the permit term. Determine priorities areas and add to the map as necessary.

Priority areas include industrial complexes and automotive services, impound lots, and junkyards with outside operations. Add any additional information needed by the SWC to implement the SWMP such as: environmentally sensitive areas, watersheds, and sub-basins, inlets, manholes, wastewater and OSSF systems, water wells, FEMA floodplains and oil and gas wells.

Schedule: Year 1 of permit term: Add wetlands, critical environmental features endangered aquatic species and priority areas (if applicable) to the electronic map. Add an electronic map or link an online mapper to City of Harker Heights' Stormwater webpage.

Once per each year of the permit term, update the electronic map to incorporate any newly discovered information and match developments and changes in the storm sewer system. Match timeline of discoveries and developments once per year of the permit term.

**BMP-#3-2: Review and Develop Stormwater Related Ordinances
This BMP applies to all Control Measures.**

Description: The SWC will provide review of the City's existing ordinances including but not limited to *Chapter 53: Sewer Regulations, Chapter 154: Subdivisions, Chapter 155: (Section 200, Building Permits)* and *Chapter 156: Erosion and Sedimentation*. Ensure that all waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable. All Contractors hired by the City to perform maintenance activities on City owned facilities must be contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures

The SWC will determine if it needs to modify these ordinances to improve stormwater runoff quality. If so, the SWC will develop more effective storm sewer ordinances to present to the City Council for passage.

Legal Authority:

To be considered adequate, this legal authority must, at a minimum, address the following:

- a. Authority to prohibit illicit discharges and illicit connections;
- b. Authority to respond to and contain other releases, e.g., control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4;
- c. Authority to require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;

- d. Authority to require installation, implementation, and maintenance of control measures;
- e. Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;
- f. Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;
- g. Authority to respond to non-compliance with BMPs required by the small MS4;
- h. Authority to assess penalties, including monetary, civil, or criminal penalties; and
- i. Authority to enter into interagency or interlocal agreements or other maintenance agreements, as necessary.

Measurable Goal: Provide a yearly update review of existing stormwater related ordinances for appropriateness and effectiveness. If modifications are needed, prepare storm sewer ordinances and present them to the City Council. Maintain a record of these ordinance modifications.

Schedule: Within two years from the permit effective date, the City shall review and revise, if needed, relevant ordinance(s) or other regulatory mechanism(s), or adopt a new ordinance(s) or other regulatory mechanism(s) that provides the permittee with adequate legal authority to control pollutant discharges into and from its MS4 in order to meet the requirements of the GP. Any revisions will be presented to the City Council.

Review all related ordinances at a minimum of once per year throughout the permit term..

BMP-#3-3: Program for Dry Weather Screening of Outfalls

Description: Harker Heights has developed and implemented a program to perform dry weather field screening of outfalls that discharge to the waters in Texas.

Measurable Goal: Perform dry weather field screening on 12 outfalls per year during the permit term. Record findings, source detection efforts and results, and source removal efforts and results.

Schedule: Dry weather screening will investigate 12 outfalls per year during the permit term.

BMP-#3-4: Review and Improve the Procedural System for Detecting and Eliminating Illicit Discharges

Description: Harker Heights will continue to use the information from the Dry Weather Screening Program to improve the illicit discharge detection programs. As screening is done, the site-specific detection/elimination program will be used to remove illicit sources and the procedures will be reviewed for potential enhancements. Issues of stormwater pollution should be resolved through education, enforcement (including issuance of Notices of Violation), and in collaboration with other City departments. Cases should be prioritized based on type of pollutant, quantity and proximity to surface waters. For illicit discharges or illegal dumping where a source has been determined, notify the responsible party of the problem within 24 hours. Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge. Conduct inspections in response to all complaints. Conduct follow-up inspections where necessary.

Measurable Goal: Detect and remove illicit connections as they are found. Develop procedures for tracing the source of an illicit discharge and removing the source. Follow-up investigations should be scheduled until the problem is resolved. Update policies and procedures from successes and failures or lessons learned as necessary. Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources. Respond to 100% of high priority discharges each year, such as sanitary sewer discharges within 24 hours.

Schedule: Review discharge detection system and update procedures annually during the permit term. Record findings, source detection efforts and results, and source removal efforts and results. Notify TCEQ immediately if 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.

**BMP-#3-5: Training for City Employees
This BMP also applies Control Measures 4-6.**

Description: A Stormwater Training Manual developed for City employees on eliminating illicit connections was developed as part of the previous SWMP. Public Works employees are trained to identify illicit connections during the course of their daily work. Procedures for responding to illicit discharges and spills and inspections in response to complaints as well as procedures for removing the source of the illicit discharge are also included. In addition, other

City employees are trained to identify and notify supervisors of any suspected illicit connections.

Measurable Goal: Periodic training updates will be provided to City employees to match changes to City procedures and stormwater discharge issues. New Department of Public Works field employees receive full training.

Schedule: Train existing employees each year of the permit term. Provide full training to new Public Works and field employees in their first year of employment. Update Training Manual once per year during permit term to incorporate changes in the field screening techniques and detection/elimination procedures.

BMP-#3-6: System for Public to Report and Comment on Illicit Stormwater Sightings and Issues

Description: Harker Heights has established specific contact information for reporting stormwater related issues to the Public Works Department. The information is listed on several of the City's website pages and educational outreach brochures which inform the public of the 24hr hotline and other direct contacts to notify the City concerning potential problems and opportunities. Current BMP:

Report pollution in the City's stormwater system
Report city operation failures in the storm water system

STORMWATER HOTLINE

Monday - Friday 8:00am -5:00pm: (254) 953-5649
Holidays, weekends and after 5:00pm weekdays: (254) 319-4996

Measurable Goal: The public reporting hotline must be publicized on the website 100% of the time during the permit term. Provide email addresses for contacting the SWC on the City's website and on educational outreach materials to inform the public of these communication channels for stormwater related issues. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. In addition, if the MS4 operator has a public website,

Schedule: Update the contact information as necessary on the City's stormwater outreach literature throughout the permit period. Publicize the hotline a minimum of two times annually in a method designed to reach the majority of the intended audience.

BMP-#3-7: Maintain Location-Based Stormwater Related Data

Description: The stormwater database file includes addresses within the City of Harker Heights' MS4 boundaries and assists the City in identifying,

investigating, and resolving stormwater related issues in the city's drainage basins.

Measurable Goal: Maintain and update records regarding dry creek screenings, public complaints, testing, illicit discharges, investigations, resolution actions, and outcomes related to stormwater issues in the city drainage areas.

Continue to collect and develop inventories of septic tank systems (historic, currently used and now tied in) and other potential bacterial nutrient and contaminant sources within the city's drainage areas. Gather data regarding the location, age of septic system and other data that can be used to spatially analyze and manage the stormwater issues in the city.

Schedule: Acquire and organize the data and update it for location-based use once each year of the permit period. Incorporate the information into procedures for preventing and correcting illicit stormwater discharges in the city drainage basins throughout the permit period.

BMP-#3-8: Sampling, Testing, and Data Collection Plan to Aid in Identifying/Eliminating Contaminant Sources

Description: An unnamed tributary to Trimmier Creek (1216D) and Nolan Creek/South Nolan Creek (1218) stream segments are currently on the 2024 303d list of impaired waters for bacteria with a category of 5c and 5r. Category 5 includes impaired waters for which TMDLs or other management strategies are planned. Nolan Creek has a Watershed Protection Plan prepared and approved by TCEQ.

The City of Harker Heights must:

- 1) Ascertain to what extent, if any, the City MS4 area contributes to the stream segment impairments;
- 2) Identify potential significant sources of bacteria and develop and implement focused BMPs for those sources. Implement the BMPs listed in Part III.A.5 and Table 1 for the identified sources.
- 3) Establish benchmark data for certain parameters in select MS4 locations;
- 4) Gather information on the sampling and testing methodologies used for the 303d list;
- 5) Obtain and record existing and ongoing TCEQ testing data for stream segment locations upstream, within, and downstream of the Harker Heights MS4 area;

- 6) Develop additional sampling/testing data for other SWC selected locations within the MS4 area;
- 7) Analyze the information to assess the extent that sources within the Harker Heights MS4 area may be contributing to the identified contaminant levels in the impaired segments;
- 8) Locate and evaluate potential related contaminant sources in the Harker Heights MS4 area;
- 9) Eliminate or correct all identified illicit discharges within the Harker Heights MS4 area contributing toward the impaired stream segment contaminant levels; and
- 10) Check annually whether an impaired water body within its permitted area has been added to the latest 303(d) list or that the Stream Segment has not been reclassified as a Category 4 impaired water for which TMDLs have already been adopted. If categorized as a 4, revise plan to include additional BMPs as described in Part III.A.5.

Measurable Goal: Continue Sampling and Testing Plan at selected locations, assess the information for possible additional sampling and testing, and analyze the data for potential source types and locations. Other procedures are in place to verify any illicit discharge source and eliminate the problem.

Schedule: Review sampling plan and site locations in year 1. Continue quarterly program. Select additional sites for identical sampling and testing in years 1 and 2 of the permit term. Use the data and existing procedures and inspect, detect and correct any identified illicit discharges during each year of the permit term. The annual report must include information on compliance with the discharges directly to impaired water bodies including results of any sampling conducted by the permittee.

Minimum Control Measure 4:

Construction Site Stormwater Runoff Control

To the extent allowable under state and local law, the MS4 operator must develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the small MS4. This includes pollutants from construction activities that result in a land disturbance of greater than or equal to one acre or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more of land. The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites where the construction site operator has obtained a waiver from permit requirements under NPDES or TPDES construction permitting requirements based on a slight potential for erosion.

- a) The program must include developing and implementing at a minimum an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.
- b) The program must require a construction site operator at a minimum to:
 1. Implement erosion and sediment control BMPs for dewatering, soil stabilization measures and to control pollutants from equipment and vehicle washing and other wash waters;
 2. Minimize stormwater exposure to building materials, building products, construction, waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, stockpiled fill materials, demolition waste materials, and other materials;
 3. Minimize discharge of pollutants from spills and leaks and or, prohibit illicit discharges such as washout wastewater, fuels, oils, soaps, solvents, and dewatering activities;
 4. Ensure that the construction site has developed a stormwater pollution presentation plan in accordance with the TPDES Construction GP TxR150000; and
 5. Implement procedures for inspecting large and small construction projects.

Ordinances, programs, and procedures are in place to provide for construction site stormwater runoff control. The public has the opportunity for comment at Planning and Zoning Commission and City Council meetings. These controls and management of construction site stormwater runoff will continue until modifications are made to comply with the general permits.

The City of Harker Heights has implemented the following BMPs to address MCM3 in its Stormwater Management Plan:

Programs and BMPs in place from previous SWMP(s)

BMP-#4-1: Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance and Make Changes as Appropriate to Comply with Permit

Description: All new projects disturbing one or more acres of land within the Harker Heights city limits are required to obtain a site preparation permit in accordance with the Erosion and Sedimentation Control Ordinance. This ordinance will be reviewed and modified as appropriate to comply with the requirements of the General Permits. Review the programs, procedures, and training regarding construction sites and stormwater for compliance with the 2023 Construction GP TXR150000. BMP requirements and recordkeeping for dewatering activities associated with construction sites changed significantly during the 2023 Construction GP renewal.

Measurable Goal: Review Chapter 155 (Section 200, Building Permits) and Chapter 156: Erosion and Sedimentation Ordinance, and prepare modifications or revisions to meet all requirements of both the TXR150000 for construction activities and TXR040000 for Phase II (Small) MS4s small in Texas General Permits.

Schedule: Review Building Permits and Erosion and Sedimentation Ordinance and present any revisions to the City Council for passage in year 3 and year 5 of the permit term.

BMP-#4-2: Verify Procedures in Place Related to Construction Projects

Description: Verify procedures are in place to direct:

- 1) Construction site plan reviews to consider potential water quality impacts;
- 2) Construction site inspections and enforcement of control measures to the extent allowable under state and local law;

- 3) Receipt and consideration of information submitted by the public; and
- 4) Training of designated Department of Public Works staff and field staff whose primary job duties are related to implementing the construction stormwater program regarding the ordinances, programs, and procedures related to construction site stormwater runoff control and requirements for dewatering activities.

Measurable Goal: Review construction site plans, inspect construction sites, and enforce control measures; receive and consider information submitted by the public related to construction sites. Train designated Public Works Department staff to develop and implement ordinances, programs and procedures training materials. Provide a file for each construction site review.

Review and update procedures for the receipt and consideration of information submitted by the public to address changes and make improvements to the established procedures where applicable. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.

Schedule: Review the existing ordinances, programs, procedures, and training regarding construction sites and stormwater for compliance with the 2023 Construction GP TXR150000 during years 1 and 2 of the permit term. Review City Standard Details and SWP3 General Notes as related to the new construction GP. The current Construction GP will expire on March 5, 2028. Prior to the new GP to be issued in 2028, review the existing ordinances, programs, procedures, and training regarding construction sites and stormwater for compliance.

Update procedures based on information submitted by the public at least one time annually.

During years 3 and 4 of the permit term make modifications to the Harker Heights programs and procedures regarding construction sites and stormwater management in coordination with related ordinance revisions to comply with the GP. During years 3 through 5 of the permit term, update the MS4 staff training manual and provide annual training to the designated staff.

Responsible person/department: SWC and/or Chief Building Official

New BMPs to be Implemented

BMP# 4-3: Construction Site Inspections

Description: The City will conduct construction site inspections for compliance.

Measurable Goal: Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures. Conduct follow-up inspections where necessary. Hold routine staff meetings to collaborate on non-compliance and unusual site issues.

City stormwater inspection staff are encouraged to pursue a Certified Professional in Erosion and Sediment Control (CPESC), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), Certified Professional in Stormwater Inspection (CPSWI) certification, Certified Inspector of Sediment and Erosion Control (CISEC), Qualified Erosion and Sediment Control Inspector (QESI) or alternate certification as approved by the SWC .

Schedule: Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

More BMPs that could be incorporated and initiated throughout the permit term: Standard Details for construction activities include use of manhole covers with stormwater related message such as "Dump No Waste, Drains to River", or updated manhole covers used for new construction conducted by the City and replacement of worn or unusable covers. Manhole covers with a stormwater related message will serve to educate the public and reduce illicit discharges.

Minimum Control Measures 5:

Post-Construction Stormwater Management in New Development and Redevelopment

The MS4 operator has developed a program that addresses stormwater runoff from new development and redevelopment projects that disturb a minimum of one acre of land. This includes projects less than one acre that are part of a larger common development or sale that result in disturbing one or more acres that discharge into the small MS4. The program ensures that controls are in place to prevent or minimize water quality impacts. The permittee shall:

- 1) Establish, implement, and enforce a requirement that owners or operators of new development and redeveloped sites design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality.
- 2) Continue to develop ordinances or other mechanisms for regulating discharges from new development and redevelopment projects that disturb one acre or more, including projects that disturb less than one acre that are part of a larger common plan of development or sale to the extent allowable under state and local law.
- 3) Review and maintain or modify the program to require owners or operators of new development and redeveloped sites to design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protect water quality and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site.
- 4) Document and maintain records of enforcement actions; Records should be available to TCEQ for review within 24 hours of request.
- 5) Ensure that the program addresses and provides for the documentation of long-term operation and maintenance of post-construction stormwater control measures both City and privately owned stormwater controls. Require the site owner/ operators to maintain documentation, such as a tracking log, onsite of the maintenance performed and made available for review by the City and/or TCEQ within 24 hours of the request.

The City of Harker Heights has selected the following BMPs to address MCM5 in its Stormwater Management Plan.

Programs and BMPs in place from previous SWMP(s)

BMP-#5-1: Comprehensive Description of Post-Construction Stormwater Management Program

Description: The SWC has developed a comprehensive description of the Post-Construction Stormwater Management Program including purposes and goals of the program; parties involved and their responsibilities and requirements; pertinent ordinances, rules, and requirements; documentation of the construction, long-term operation and maintenance of the program for the BMP utilized; and means of enforcement and records of enforcement actions.

Measurable Goal: Update the comprehensive description of the Post-Construction Stormwater Management Program.

Schedule: Information will be compiled and a description of the program will be developed during years 1 and 2 of the permit term. Ongoing updates to the program description will be maintained as modifications occur during years 3, 4, and 5 of the permit term.

BMP-#5-2: Developer Guidance Document

Description: A Guidance Document for developers has been prepared to clarify the pre-construction, construction, and post-construction requirements and processes of the City and the activities, responsibilities, and deliverables required of developers.

Measurable Goal: Maintain and distribute Developer Guidance Document including flow chart clarifying the aspects of the entire ongoing development process in Harker Heights, ordinance and requirement guide or references, and related City contact information.

Schedule: Review and update information in the guidance document in each year of the permit term.

BMP-#5-3: Develop Materials Promoting the Reduction of Stormwater Runoff and Pollutants

Description: Develop and disseminate information on topics that should contribute to increased soil moisture retention such as landscape design, xeriscaping, reusing yard wastes, and composting. Promote developer, operator, and resident land use and management practices that result in reduced stormwater runoff and pollutants. Other topics might include

pollutants, their sources, and practices to reduce their occurrence in stormwater runoff.

Measurable Goal: Develop informational brochures/packages and videos for distribution to target groups and promote a reduction in stormwater and pollutants reaching drainageways. Topics should include landscape design, xeriscaping, yard waste reuse, composting, sources and control of pollutants.

Schedule: Develop an information brochure/package/video on a separate topic target for each year of the permit term. As the media is developed, record distribution of the materials and feature on the City website throughout the permit term.

More BMPs that could be incorporated and initiated throughout the permit term: Develop a structural control inspection program such as all private structural stormwater controls such as water quality/detention ponds and post construction BMPs must submit a PE certified inspection report to the City every 3 years to the City of Harker Heights.

Minimum Control Measures 6:

Pollution Prevention/Good Housekeeping for Municipal Operations

Pollution prevention and good housekeeping practices for municipal operations can significantly benefit stormwater quality for municipal operations. These practices also provide an example for others to follow.

Requirements for the MCM6 include:

- 1) An inventory and Operation and Maintenance (O&M) program, including an employee training component with the goal of preventing or reducing pollutant runoff from municipal operations.

The O&M housekeeping measures and BMPs (which may include new or existing structural or non-structural controls) must be identified and either continued or implemented with the goal of preventing or reducing pollutant runoff from municipal operations. Examples of municipal operations and municipally owned areas include but are not limited to:

- Park and open space maintenance;
- Street, road, or highway maintenance;
- Fleet and building maintenance;
- Stormwater system maintenance;
- New construction and land disturbances;
- Municipal parking lots;
- Vehicle and equipment maintenance and storage facilities and yards;
- Waste transfer stations;
- Salt/sand storage locations;
- Composting facilities;
- Fuel storage facilities;
- Hazardous waste disposal facilities;
- Hazardous waste handling and transfer facilities;
- Incinerators;
- Landfills;
- Materials and Pesticide storage facilities and yards;
- Buildings, including schools, libraries, police stations, fire stations, and office buildings;
- Parking lots, golf courses, swimming pools;
- Recycling facilities, solid waste handling and transfer facilities;
- Street repair and maintenance sites; and
- Structural stormwater controls.

- 2) Inform/train staff involved in municipal good housekeeping duties. A training program must be developed and modified to match the O&M program for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The program must include materials directed at preventing and reducing stormwater pollution from municipal operations. Materials may be developed or obtained from the EPA, states, or other organizations and sources.
- 3) Waste removed from the small MS4 and waste that is collected because of maintenance of stormwater structural controls must be properly removed and disposed. The City must address procedures for properly removing and disposing these wastes.
- 4) MS4 pollution prevention efforts must evaluate O&M activities for the potential to discharge pollutants in stormwater from road and parking lot maintenance, bridge maintenance, cold weather operations, and right-of-way maintenance by:
 - a. identifying the potential pollutants of concern that could be discharged from the O&M activities;
 - b. developing and implementing pollution prevention measures that will reduce discharge of pollutants from O&M activities, and
 - c. inspecting the pollution prevention measures at MS4 facilities.

The City of Harker Heights has selected the following BMPs to address MCM6 in its Stormwater Management Plan:

Programs and BMPs in place from previous SWMP(s)

BMP-#6-1: City Staff Training on Stormwater Management

Description: Use of information developed on stormwater management will support further development of stormwater training materials, and a trained City field staff will promote better MS4 O&M practices and recognition of potential stormwater issues related to facilities' operations and BMP performance. City Public Works management are encouraged to pursue a Certified Professional in Municipal Stormwater Management (CPMSM), Certified Professional in Stormwater Quality (CPSWQ), Certified Professional in Water Pollution Control (CPWPC), Certified Professional in Stormwater Inspection (CPSWI) certification or alternate certification as approved by the SWC.

Measurable Goal: Provide annual training plan and program for the Public Works Department field employees and utilize the developed stormwater

training materials to enhance the ongoing growth of field staff stormwater knowledge.

Schedule: Review and optimize the existing stormwater related training plan for field staff in year 1 of the permit period. Training materials will be available to employees and training on current information and/or updates will be provided annually throughout the permit term.

BMP-#6-2: City Facility O&M Program and Inventory

Description: The City Facility O&M Program will be optimized to seek improvements in O&M procedures. An inventory of MS4 facilities and stormwater controls at City operations sites has been developed with related information selected by the SWC to include location; maintenance activities, schedules, and records; wastes handled and their disposal; potential of wastes to contact stormwater; long-term inspection procedures; and performance reports of controls.

Measurable Goal: If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and be consistent with maintaining the effectiveness of the BMP and pollution prevention. Utilize field staff to inspect/survey City facilities and O&M activities to contribute information to inventory.

Schedule: Review information categories to be inventoried in year 1 of the permit term. Existing records and knowledge in addition to reports from field staff inspections and surveys will supply inventory data throughout the permit term. Analysis of the data may result in O&M adjustments and potential need for additional stormwater controls, or to address changes and additions to the facilities and controls throughout the permit term. Update the Facility O&M Program annually in years 2, 3, 4, and 5 of the permit term.

BMP-#6-3: Targeted Wastewater Facilities Review

Description: The receiving stream segments of the MS4 are shown by the current 303(d) list to be impaired by bacteria. Wastewater is a potential source of bacterial contaminants. The SWC will devise a plan to review and inspect the City's wastewater facilities for potential leaks, malfunctions, or need for additional reliability components. Potential problems will be assessed for corrective actions.

An industrial SWP3 was prepared for the City's Wastewater Treatment Plant and a Notice of Intent was filed with TCEQ. Stormwater Permit TXR05GF35 was issued in August of 2023. Development, implementation, and maintenance of the SWP3 will provide the City of Harker Heights with the tools to reduce

pollutants contained in storm water discharges and comply with the requirements of the TPDES Multi Sector GP No. TXR050000.

Measurable Goal: Devise a plan to survey the entire wastewater system systematically using field inspections and public reports to identify potential sources of wastewater/bacteria exposure to stormwater and record the findings. Perform a follow-up of the reports with a plan for any needed corrective action.

Follow the BMPs, sampling schedules and requirements as described in the Wastewater Treatment Plant SWP3 plan.

Schedule: Complete a new wastewater facilities survey plan in year 1 of the permit. Field personnel will survey and report on the wastewater facilities throughout the permit term. Public reporting input will be sought throughout the permit term. Opportunities for removing stormwater wastewater discharges will be assessed for corrective action as they are identified throughout the permit term.

Comply with the stormwater sampling, inspections, trainings, annual reviews, and other requirements for the treatment facility site as described in the SWP3 plan.

BMP-#6-4: Seek Public Input on City Facilities and O&M

Description: The public may observe City facilities and O&M practices. The City is interested in the public's responsibility for their own facilities and O&M practices relating to pollution prevention and stormwater quality and impacts as well. The City has an opportunity to educate and energize the public to reduce stormwater pollution in their daily lives, and it leads by example. This "following example" tactic may be facilitated by the City of Harker Heights to incorporate into educational outreach materials and website notifications a request that the public watch for and report any City facilities operations failures and any City O&M activities that may lead to increased stormwater impacts.

Benefits of this reporting include reduced stormwater impacts from improved City and public facilities and O&M, in addition to better communication channels between the public and the City.

Measurable Goal: Facilitate adoption of features in outreach materials and on the City website that seek out increased public awareness of City facilities and O&M practices and reporting of any potential failures, malfunctions, and opportunities for improvements.

Schedule: Incorporate the request for public awareness and reporting on City facilities and O&M practices in outreach materials, social media and on the City's website. Update public input outreach once each year of the permit term.

New BMPs to be Implemented

BMP-#6-5 Pollution Prevention Measures

Description: Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the MS4 owned operations.

Measurable Goals and Schedule: Implement at least two of the following pollution prevention measures:

- Replace at least 50% of the MS4's materials and chemicals with more environmentally friendly materials or methods by the end of the permit term;
- Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used for each application annually;
- Use suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants during 80% of regular bridge maintenance each year; and
- Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.

BMP-#6-6: Assessment of City Owned Operations

Description: Evaluate O&M activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater including but not limited to:

- Road and parking lot maintenance, including pothole repair, pavement marking, sealing, and re-paving;
- Bridge maintenance, including re-chipping, grinding, and saw cutting;
- Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and

- Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.

Measurable Goal: Assess 100 percent of City Owner Operations.

Schedule: Once per year during the permit term.

BMP-#6-7 BMP Hired Contractors

Description: MS4 hired contractors to perform maintenance activities are required to comply with MS4 O&M program operating procedures and MS4 contractor oversight procedures must be developed and implemented.

Measurable Goals: Ensure that all contractors hired by the MS4 on permittee-owned facilities are contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures. Implement oversight procedures of contractor activities in all contracts to ensure that contractors are using appropriate control measures and SOPs each year.

Schedule: Review annually. Oversight procedures must be maintained on-site and made available for review by TCEQ within 24 hours of request.

BMP # 6-8 Identify Pollutants of Concern

Description: Identify pollutants of concern that could be discharged from all of the O&M activities and maintain a list of all of the pollutants identified, including but not limited to: metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash.

Measurable Goal: Identify MS4 pollutants and compile a complete list.

Schedule: Review and update the pollutants of concern list at least one time annually to address changes or additions to the operation and maintenance activities where applicable.

BMP 6-9 -Structural Control Maintenance

Description: The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted. Maintenance must follow a plan and schedule developed by the City to be consistent with maintaining the effectiveness of the BMP.

Measurable Goal: Perform inspections on all of the structural controls and maintenance as necessary.

Schedule: Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures.

City of Harker Heights Texas



Stormwater Management Plan and Program Summary

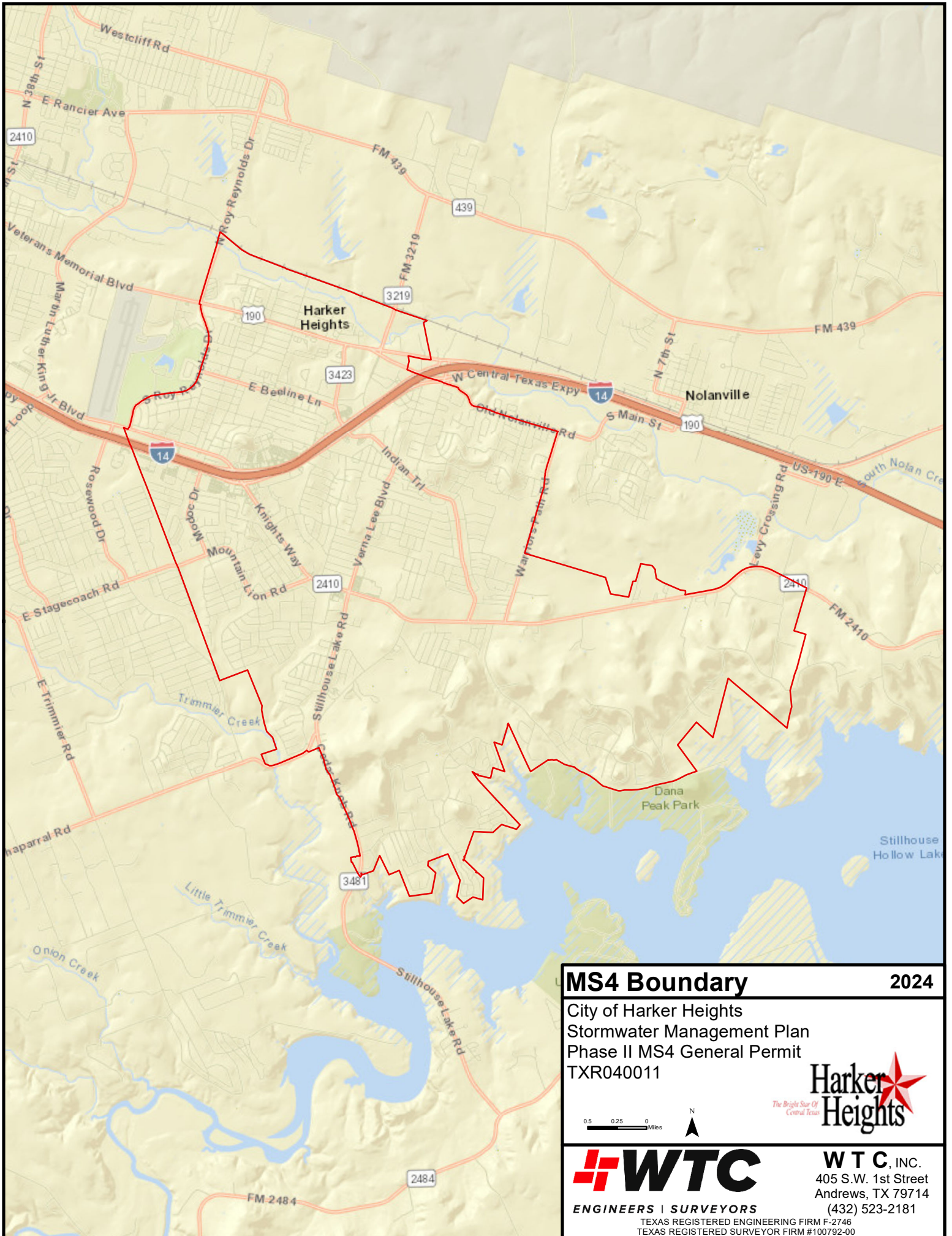
BMP #	Description	Measurable Goals	Schedule
Public Education, Outreach			
1-1 (All)	Designated Stormwater Coordinator (SWC)	Maintain an officially designated SWC who supports City efforts to facilitate the SWMP implemented by the City Council.	The designated SWC is confirmed each year through the permit term. SWC to submit annual report by March 31 of the following permit year.
1-2	Stormwater Website	Maintain a webpage with current and accurate information and working links.	All links shall be checked, and the page shall be updated as necessary at a minimum of once annually. Must be maintained for the full year, each year.
1-3	Stormwater Committee Meeting	Confirm the committee standing each year of the permit term. Track meeting attendance, agendas, and topics of discussion, potential stormwater issues, initiatives, and decisions.	Meet once per year (minimum)
1-4	Stormwater Brochures	Develop and distribute a new brochure on stormwater management.	Provide 1 new brochure per year. Keep Distribution Record
1-5	Pet Waste Fact Sheet	Update and distribute the fact sheet to all pet stores and veterinarian offices, with all animal adoptions, and at pet-related events.	Provide fact sheet once per year. Keep distribution record
1-6	Household Hazardous Materials Day	Hold a hazardous waste collection day	1 per year minimum
1-7	Outfall Signs	Install new and maintain existing outfall signs	Install 1 new sign per Year. Maintain the existing signs.
1-8	Storm Drain Stenciling	Mark storm drains and inlets. Where all known stormwater inlets have been marked, inspect, and maintain the markers for a minimum of 15% of all known stormwater inlets in high-impact areas or impaired watersheds.	Placard, stencil, or paint 25 per year and/or a minimum of 10% of all known stormwater inlets in either high-impact areas or impairment watersheds.
1-9	Social Media Campaigns and Posts	Post a minimum of four times each year on a minimum of one social media platform. The message shall address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. The messages shall be seasonally appropriate.	Must make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year, each year.
Public Involvement/Participation			
2-1	Public Notification Compliance	Comply with the public participation requirements of Part II.E.12 of GP No. TXR040000	Submit a copy of the notice and publisher's affidavit to the TCEQ within 60 days of written notice from the office of the Chief Clerk.
2-2	Public Meeting for Input on the SWMP Program Implementation	Conduct public meetings for input on the program implementation such as a city council meetings, board meeting, or stakeholder meetings.	Hosted for a minimum of one meeting annually.
2-3	Volunteer Water Quality Monitoring	To be considered an event, the monitoring must be conducted at a minimum once each year.	Host or support at a minimum one event annually.
2-4	Educational Outreach	The booth or display must be staffed during the time which the event is open to the public.	Provide or support one booth or display at minimum annually.
Illicit Discharge Detection and Elimination			
3-1	Outfalls and Receiving Waters Map	Update the electronic map to incorporate any newly discovered information and match developments and changes in the storm sewer system.	Update once per year (minimum)
3-2 (All)	Stormwater Ordinance(s) Updates	The SWC will provide review of the City's existing ordinances. Modify to improve stormwater runoff quality, present to the City Council for passage.	Review once per year
3-3	Dry Weather Screenings	Record findings, source detection efforts and results, and source removal efforts and results.	12 per year
3-4	Review and Improve the Procedural System for Detecting and Eliminating Illicit Discharges	Issues of stormwater pollution should be resolved through education, enforcement. Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources.	Review discharge detection system and update procedures annually during the permit period.
3-5 (MCMs 4-6)	City Staff Training	Periodic training updates will be provided to City employees to match changes to procedures and stormwater issues. New Department of Public Works field employees receive full training.	Update Stormwater Training Plan and train all staff once per year (minimum)
3-6	System for Public to Report and Comment on Illicit Stormwater Sightings and Issues	The public reporting hotline must be publicized on the website 100% of the time during the permit term.	Update the contact information as necessary throughout the permit period. Publicize the hotline a minimum of two times annually in a method designed to reach the majority of the intended audience.
3-7	Location-based Stormwater Data	Maintain and update records regarding stormwater issues in the city drainage areas. Acquire and organize the data and incorporate the information into procedures for preventing and correcting illicit stormwater discharges.	Update once per year (minimum).
3-8	Sampling and Testing Plan	Sampling at selected locations, assess the information for possible additional sampling and testing, and analyze the data for potential source types and locations.	Review sampling plan and site locations in year 1. Select additional sites for identical sampling and testing in years 1 and 2 of the permit term. The annual report must include information on compliance with the discharges directly to impaired water bodies including results of any sampling conducted by the permittee.

Stormwater Management Plan and Program Summary



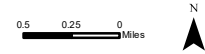
BMP #	Description	Measurable Goals	Schedule
Construction Site Stormwater Runoff Control			
4-1	Review Building Permits, Erosion and Sedimentation Ordinance and Construction GP	All new projects disturbing one or more acres of land within the Harker Heights city limits are required to obtain a site preparation permit in accordance with the Erosion and Sedimentation Control Ordinance and 2023 Construction GP TXR150000.	Review ordinances and present any revisions to the City Council for passage in year 3 and year 5 of the permit term
4-2	Verify Procedures in Place Related to Construction Projects	Review construction site plans, inspect construction sites, and enforce control measures; receive and consider information submitted by the public related to construction sites. Train designated Public Works Department staff to develop and implement ordinances, programs and procedures training materials. Provide a file for each construction site review. Review and update procedures for the receipt and consideration of information submitted by the public to address changes and make improvements to the established procedures where applicable. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.	Review the existing ordinances, programs, procedures, and training regarding construction sites annually. Update procedures based on information submitted by the public at least one time annually.
4-3	Construction Site Inspections	Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures.	Review and update inspection procedures at least one time annually to address changes and make improvements.
Post-Construction Stormwater Management			
5-1	Post-Construction Stormwater Management Program	Maintain and update the a comprehensive Post-Construction Stormwater Management Program.	Information will be compiled and a description of the program will be developed during years 1 and 2 of the permit term. Ongoing updates to the program description will be maintained as modifications occur during years 3, 4, and 5 of the permit term.
5-2	Developer Guidance Document	Maintain and distribute Developer Guidance Document	Review and update information once per year
5-3	Reduction of Stormwater Runoff and Pollutants	Develop informational brochures/packages and videos for distribution to target groups and promote a reduction in stormwater and pollutants reaching drainageways.	Develop an information brochure/package/video on a separate topic target for each year of the permit term. Record distribution of the materials and feature on the City website throughout the permit term.
Pollution Prevention/Good Housekeeping			
6-1	City Staff Training on Stormwater Management	Provide annual training plan and program for the Public Works Department field employees and utilize the developed stormwater training materials to enhance the ongoing growth of field staff stormwater knowledge.	Review and optimize the existing stormwater related training plan for field staff in year 1 of the permit period. Training materials will be available to employees and training on current information and/or updates will be provided annually throughout the permit term
6-2	City Owned Facilities and Control Inventory	Develop and maintain an inventory of the MS4 owned facilities, stormwater controls, and related features present at City operations sites as selected by the SWC.	Review and update the inventory at least one time annually to address changes or additions to the facilities and controls where applicable.
6-3	Targeted Wastewater Facilities Review	Devise a plan to survey the entire wastewater system systematically using field inspections and public reports to identify potential sources of wastewater/bacteria exposure to stormwater and record the findings. Perform a follow-up of the reports with a plan for any needed corrective action.	Complete a new wastewater facilities survey plan in year 1 of the permit. Field personnel will survey and report on the wastewater facilities throughout the permit term. Public reporting input will be sought throughout the permit term. Opportunities for removing stormwater wastewater discharges will be assessed for corrective action as they are identified throughout the permit term.
6-4	Seek Public Input on City Facilities and O&M	Facilitate adoption of features in outreach materials and on the City website that seek out increased public awareness of City facilities and O&M practices and reporting of any potential failures, malfunctions, and opportunities for improvements.	Incorporate the request for public awareness and reporting on City facilities and O&M practices in outreach materials, social media and on the City's website. Update public input outreach once each year of the permit term.
6-5	Pollution Prevention Measures	Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations.	Information will be compiled and a description of the program will be developed during year 1 of the permit term. Ongoing updates to the program description will be maintained as modifications annually.
6-6	Assessment of permittee-owned operations	Evaluate 100% of O&M activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater	Once per year.
6-7	BMP Hired Contractors	Ensure that all contractors hired by the MS4 on permittee-owned facilities are contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures. Implement oversight procedures of contractor activities in all contracts to ensure that contractors are using appropriate control measures and SOPs each year.	Review annually. Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.
6-8	Identify Pollutants of Concern	Identify MS4 pollutants and compile a complete list.	Review and update the pollutants of concern list at least one time annually to address changes or additions to the operation and maintenance activities where applicable.
6-9	Structural Control Maintenance	Perform inspections on all of the structural controls and maintenance as necessary .	Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures.

Appendix A
Maps



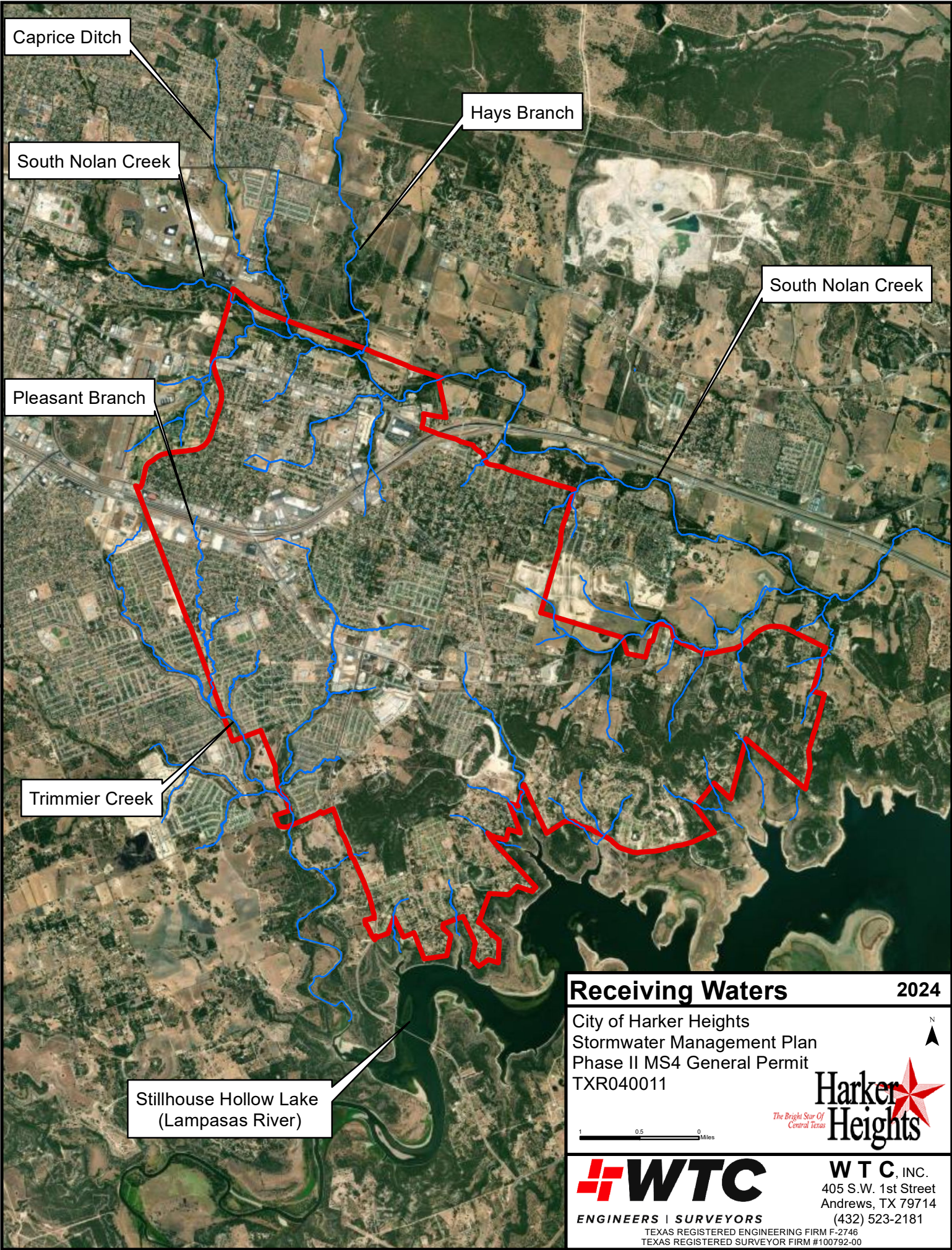
MS4 Boundary 2024

City of Harker Heights
 Stormwater Management Plan
 Phase II MS4 General Permit
 TXR040011



WTC
 ENGINEERS | SURVEYORS
 TEXAS REGISTERED ENGINEERING FIRM F-2746
 TEXAS REGISTERED SURVEYOR FIRM #100792-00

WTC, INC.
 405 S.W. 1st Street
 Andrews, TX 79714
 (432) 523-2181



Caprice Ditch

Hays Branch

South Nolan Creek

South Nolan Creek

Pleasant Branch

Trimmier Creek

Stillhouse Hollow Lake
(Lampasas River)

Receiving Waters

2024

City of Harker Heights
Stormwater Management Plan
Phase II MS4 General Permit
TXR040011

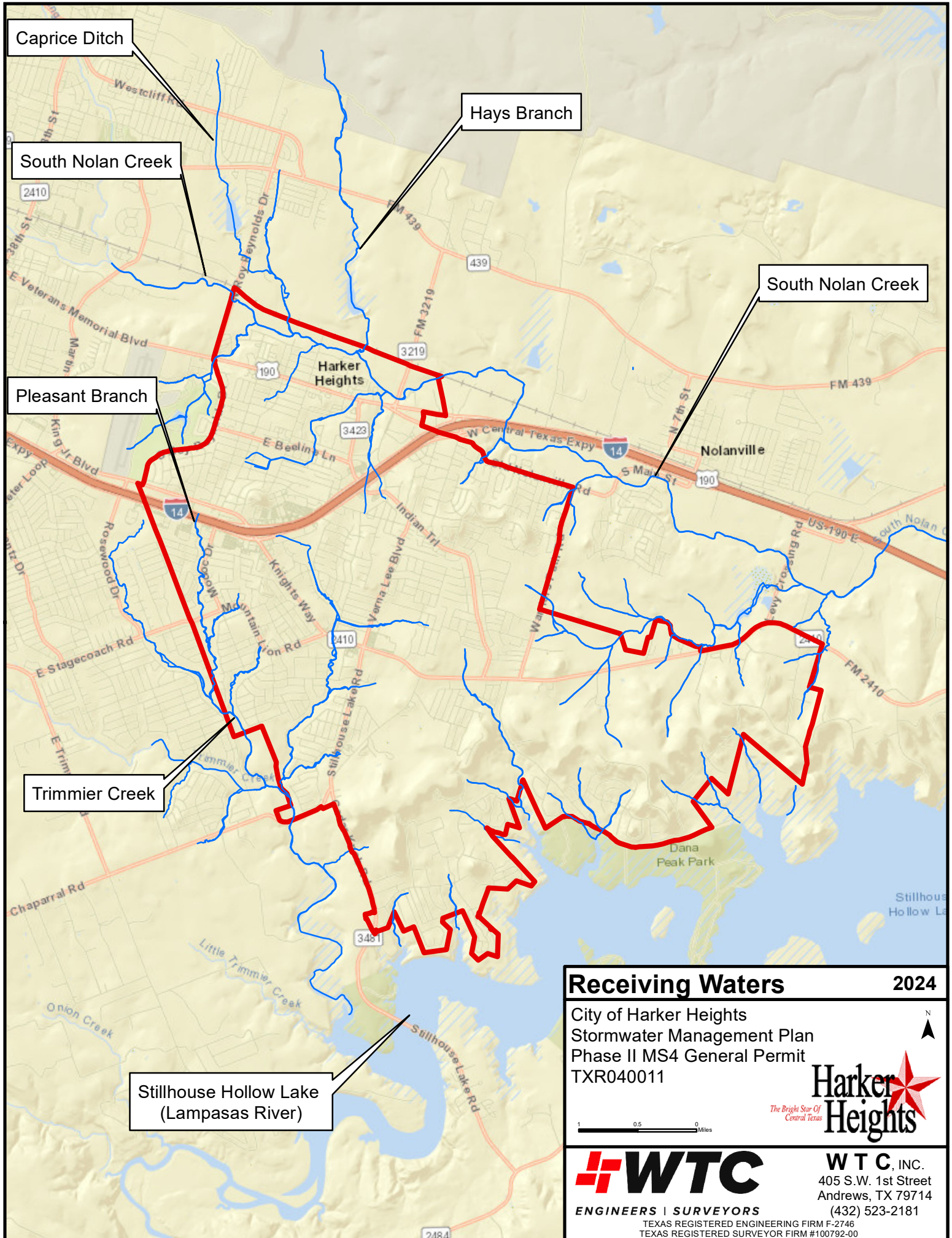


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Caprice Ditch

Hays Branch

South Nolan Creek

South Nolan Creek

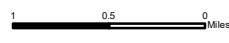
Pleasant Branch

Trimmier Creek

Stillhouse Hollow Lake
(Lampasas River)

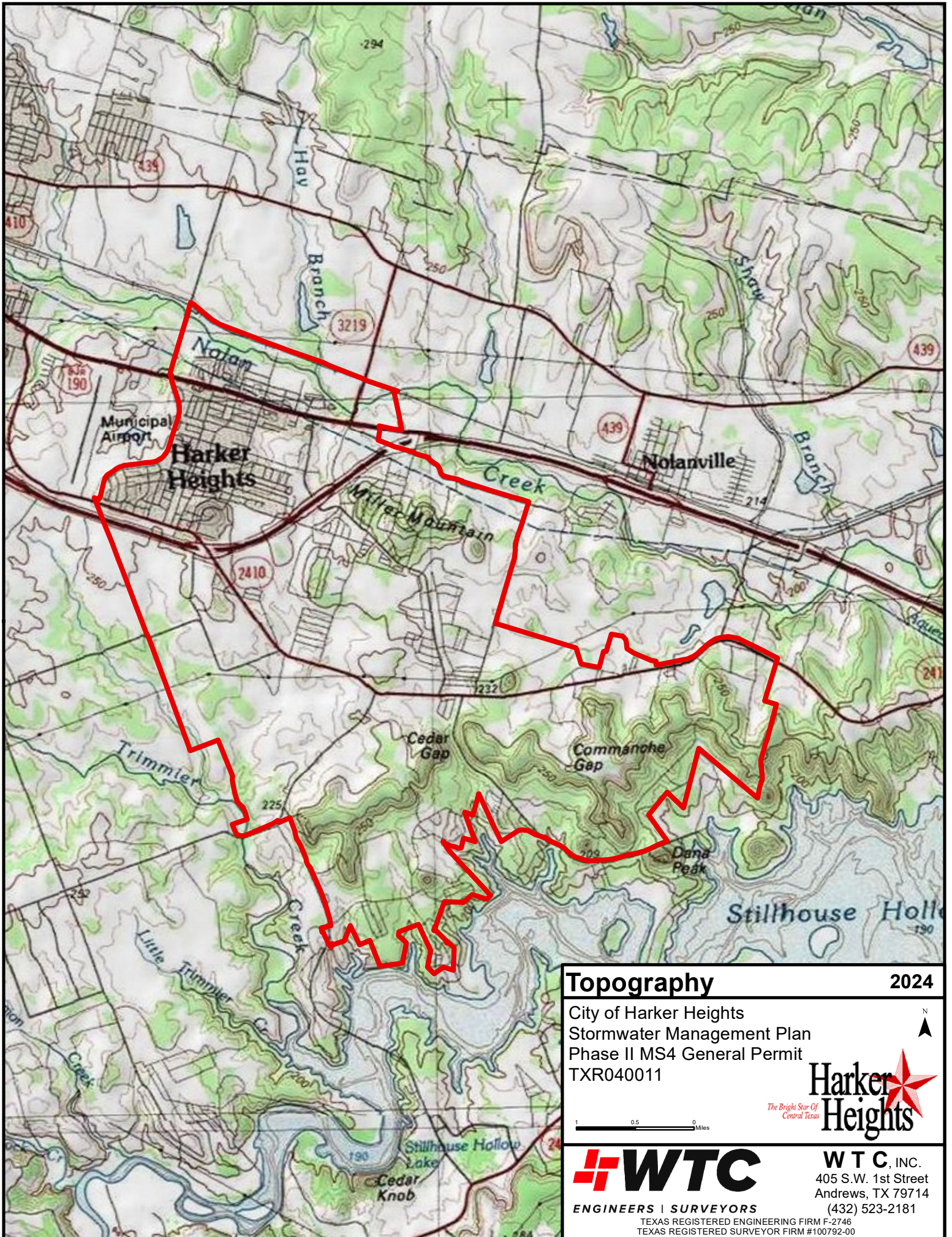
Receiving Waters 2024

City of Harker Heights
Stormwater Management Plan
Phase II MS4 General Permit
TXR040011



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Topography 2024

City of Harker Heights
 Stormwater Management Plan
 Phase II MS4 General Permit
 TXR040011

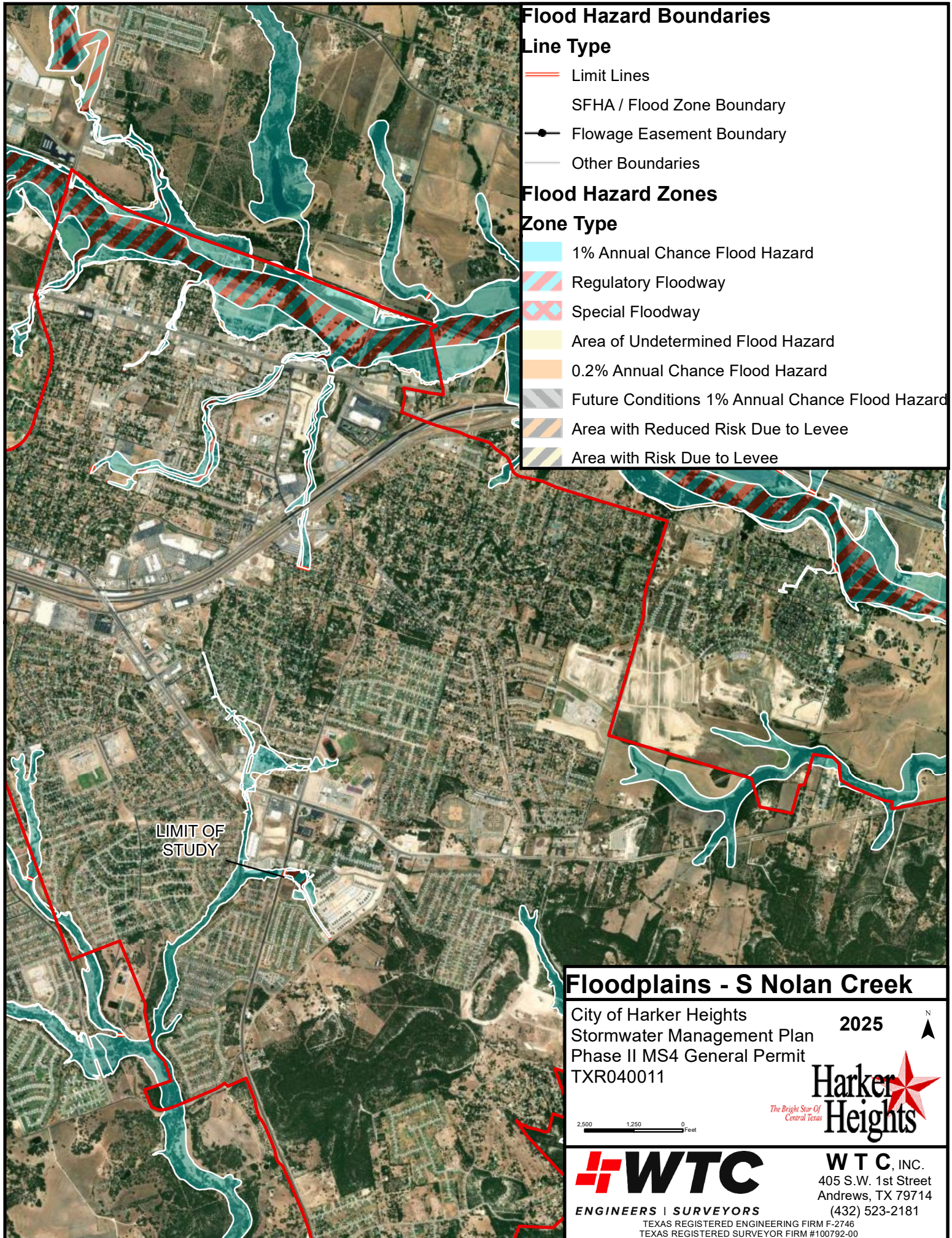


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




Flood Hazard Boundaries

Line Type

-  Limit Lines
-  SFHA / Flood Zone Boundary
-  Flowage Easement Boundary
-  Other Boundaries

Flood Hazard Zones


Zone Type

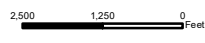
-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee

LIMIT OF STUDY

Floodplains - S Nolan Creek

City of Harker Heights 2025
 Stormwater Management Plan 
 Phase II MS4 General Permit

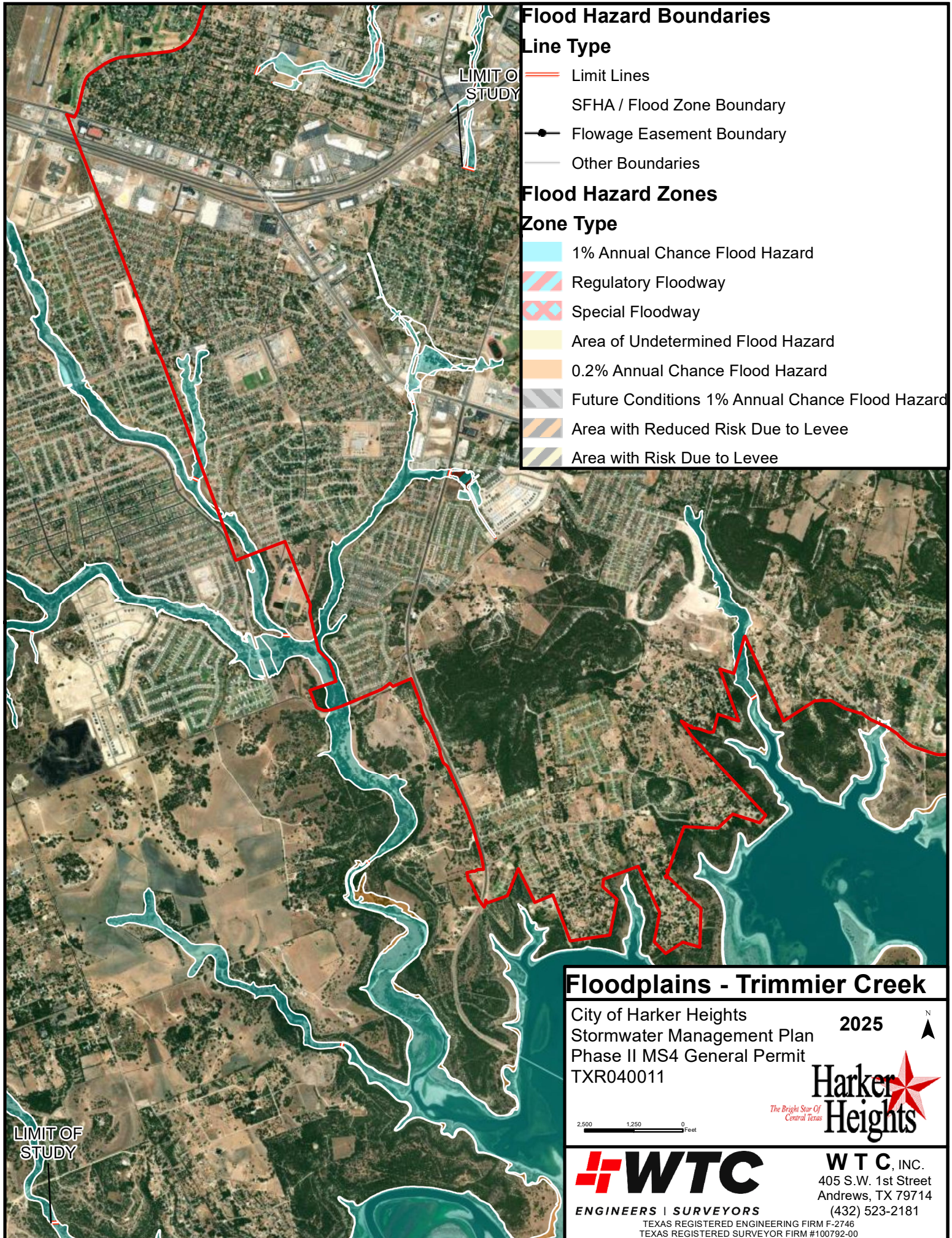
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







Flood Hazard Boundaries

Line Type

-  Limit Lines
-  SFHA / Flood Zone Boundary
-  Flowage Easement Boundary
-  Other Boundaries

Flood Hazard Zones

Zone Type

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
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-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee

Floodplains - Trimmier Creek

City of Harker Heights
 Stormwater Management Plan
 Phase II MS4 General Permit
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2025



2,500 1,250 0 Feet



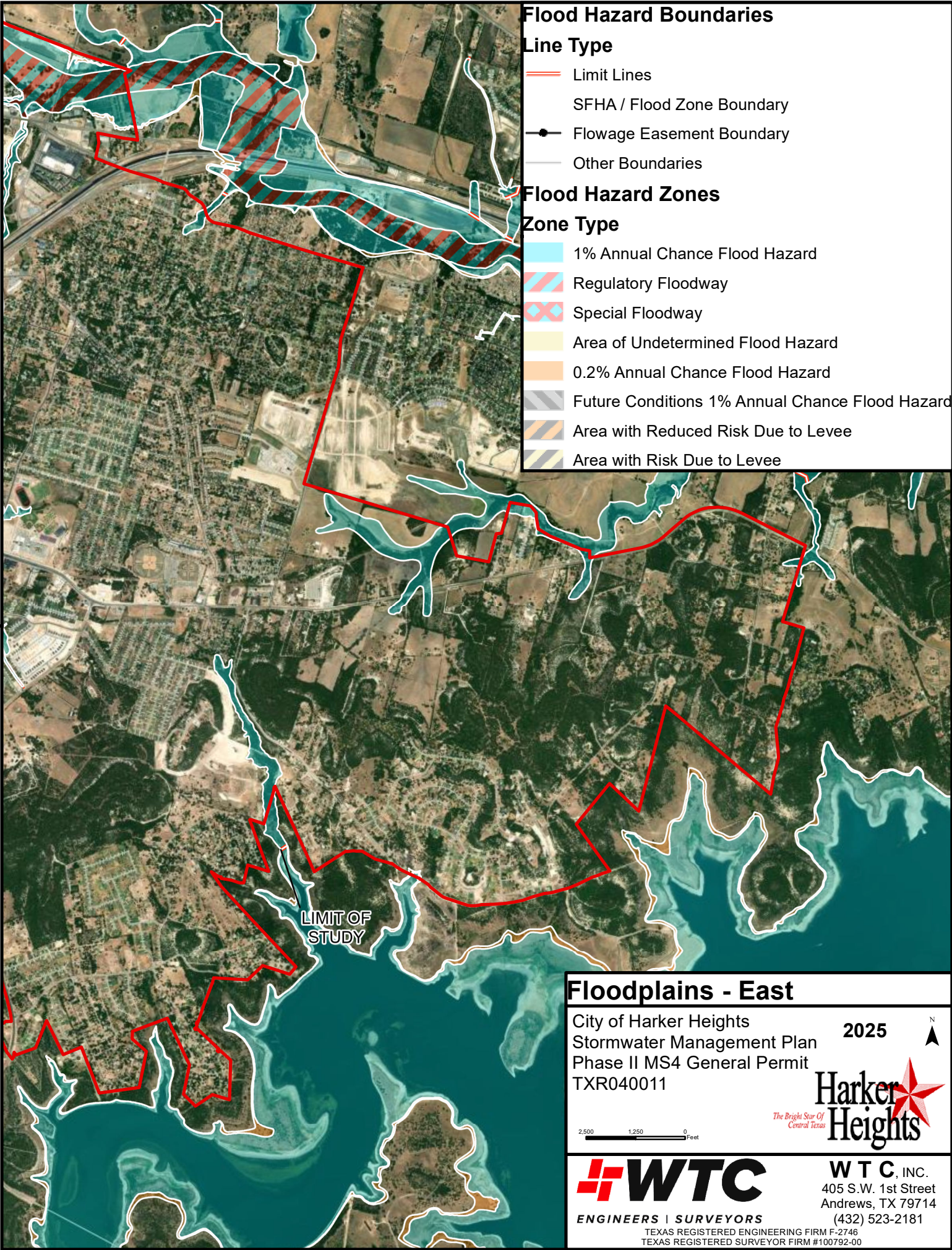
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LIMIT OF STUDY

LIMIT OF STUDY











Flood Hazard Boundaries

Line Type

-  Limit Lines
-  SFHA / Flood Zone Boundary
-  Flowage Easement Boundary
-  Other Boundaries

Flood Hazard Zones

Zone Type

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee

LIMIT OF STUDY

Floodplains - East

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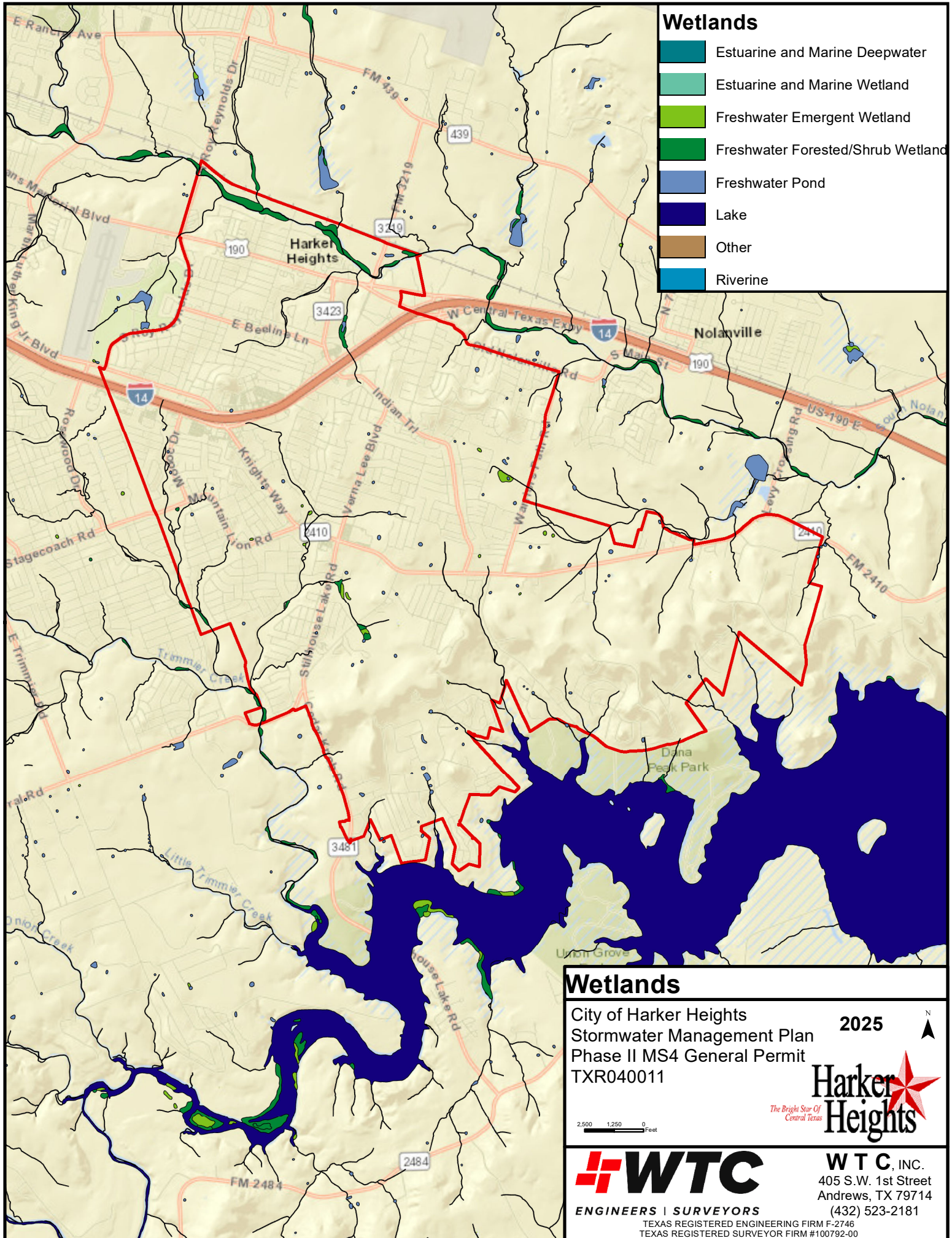
2025 



2,500 1,250 0 Feet



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Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Wetlands

City of Harker Heights
 Stormwater Management Plan
 Phase II MS4 General Permit
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2025

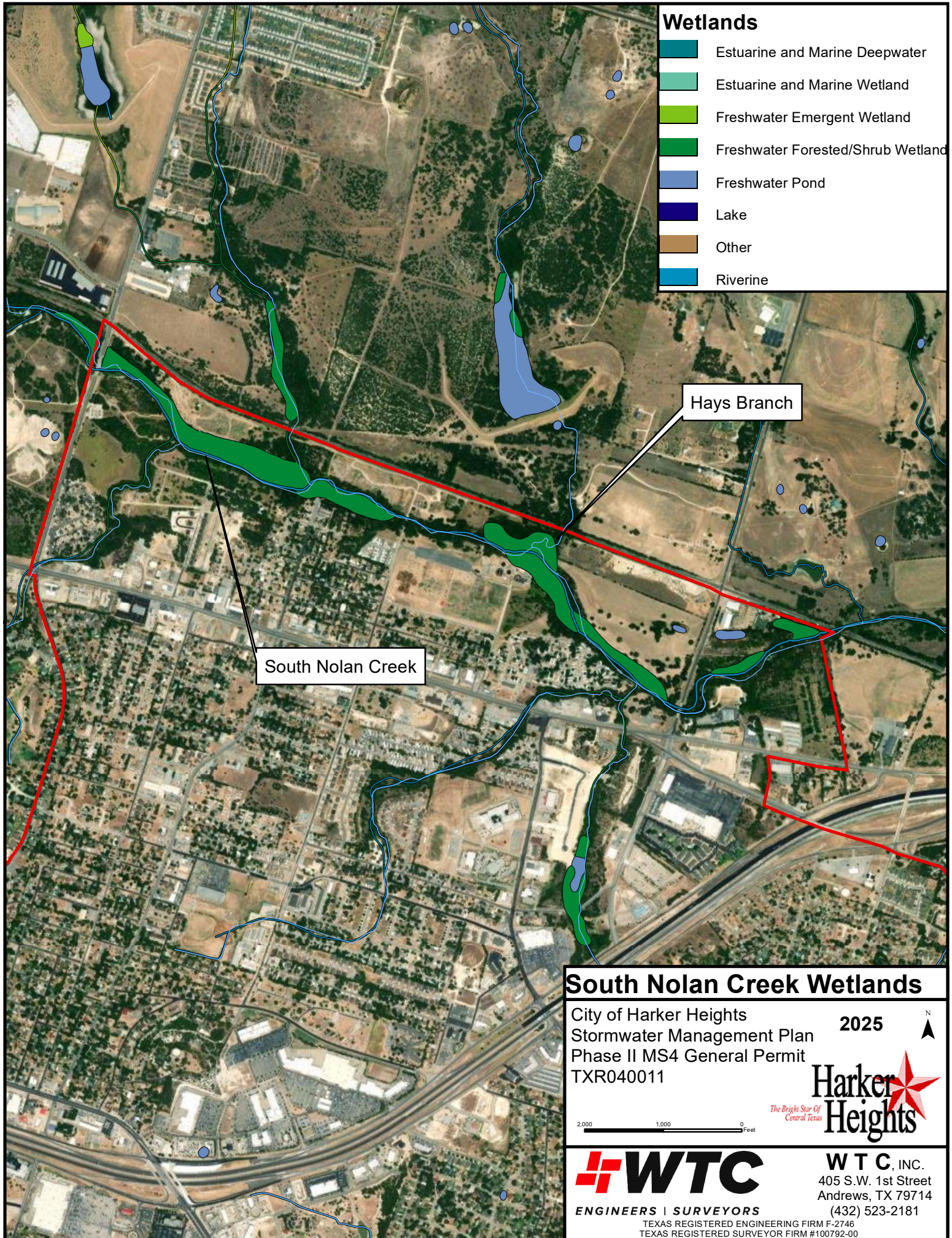


2,500 1,250 0 Feet



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Wetlands	
	Estuarine and Marine Deepwater
	Estuarine and Marine Wetland
	Freshwater Emergent Wetland
	Freshwater Forested/Shrub Wetland
	Freshwater Pond
	Lake
	Other
	Riverine

South Nolan Creek

Hays Branch

South Nolan Creek Wetlands

City of Harker Heights
 Stormwater Management Plan
 Phase II MS4 General Permit
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2025

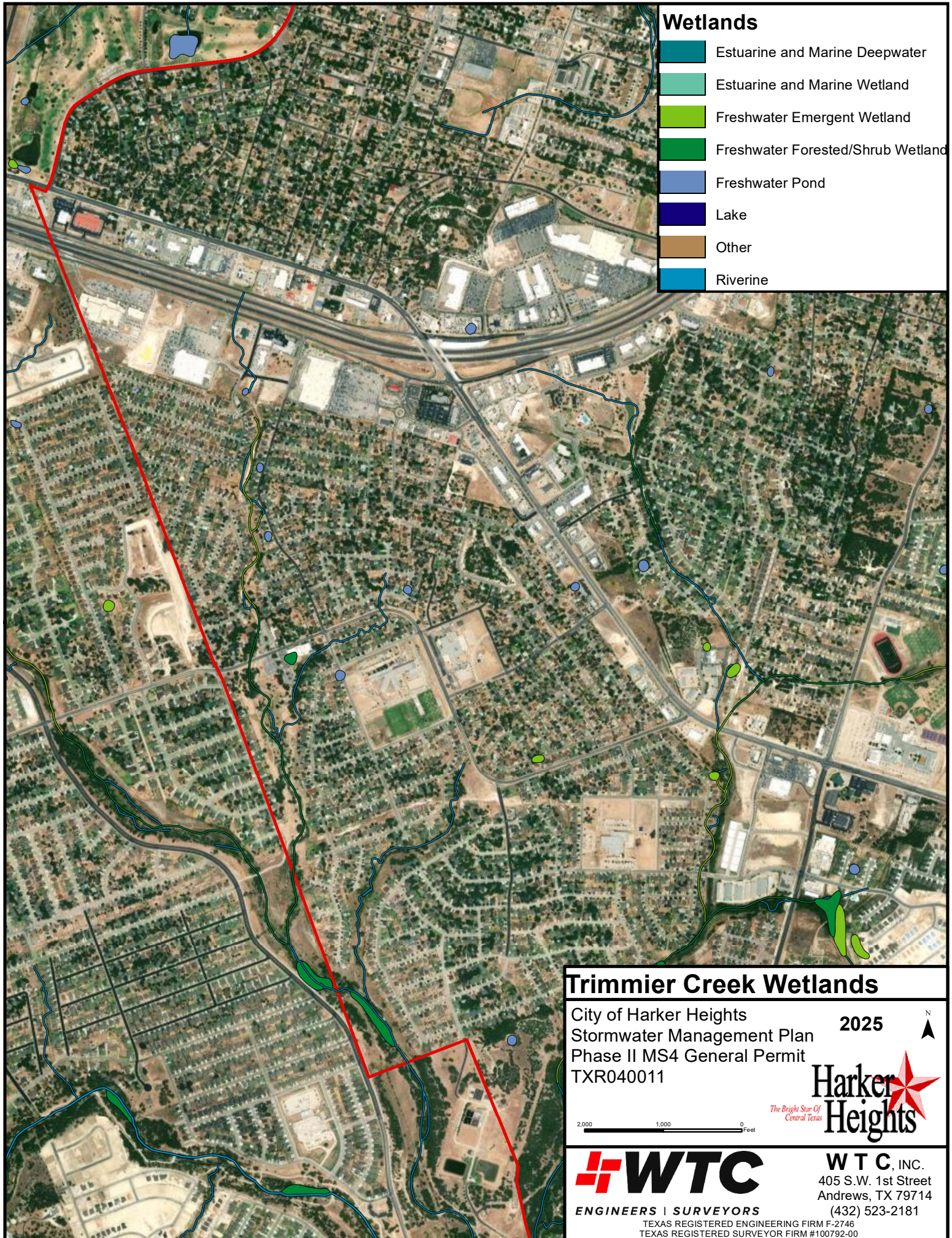


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Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Trimmier Creek Wetlands

City of Harker Heights 2025
 Stormwater Management Plan
 Phase II MS4 General Permit
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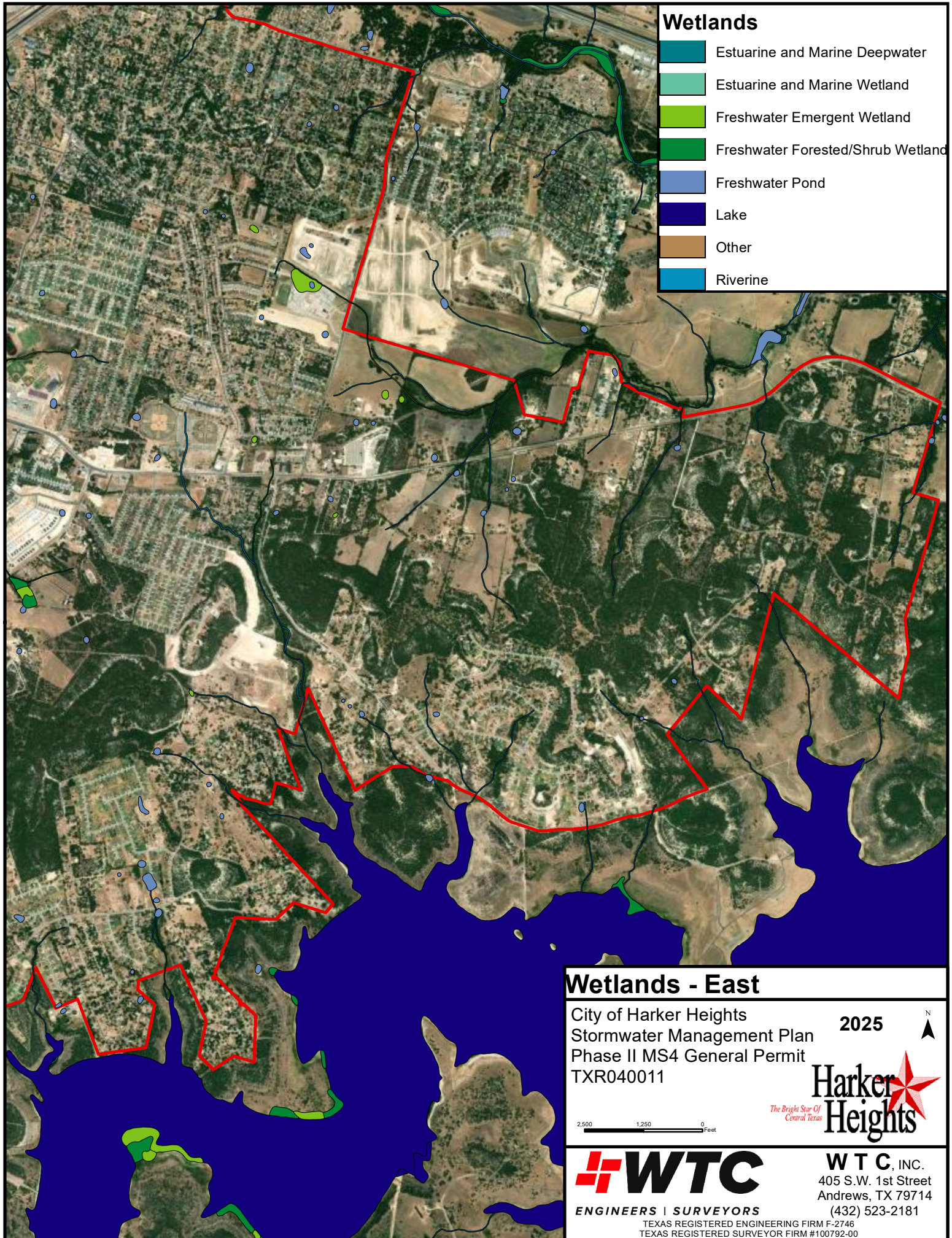
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Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
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- Freshwater Pond
- Lake
- Other
- Riverine

Wetlands - East

City of Harker Heights 2025
 Stormwater Management Plan
 Phase II MS4 General Permit
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 TEXAS REGISTERED SURVEYOR FIRM #100792-00

Appendix B
Notice of Intent

**INSERT
NOI & AUTHORIZATION PAPERWORK**

Appendix C
General Permit

General Permit Information

Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR150000 For Construction Sites

More information can be found on TCEQ's program page:
<https://www.tceq.texas.gov/permitting/stormwater/construction>

For a complete copy of the permit:
<https://www.tceq.texas.gov/downloads/permitting/stormwater/general/construction/2023-cgp-txr150000.pdf>

Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR050000 Stormwater Multi-Sector General Permit for Industrial Facilities

More information can be found on TCEQ's program page:
<https://www.tceq.texas.gov/permitting/stormwater/industrial/index>

For a complete copy of the permit:
<https://www.tceq.texas.gov/downloads/permitting/stormwater/general/multi-sector/txr050000-2021.pdf>

Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR040000 for Phase II (Small) MS4s

More information can be found on TCEQ's program page:
https://www.tceq.texas.gov/permitting/stormwater/ms4/WQ_ms4_small.html

Assistance Tools for Municipal Separate Storm Sewer Systems (MS4s):
<https://www.tceq.texas.gov/assistance/water/stormwater/sw-ms4.html>

Questions concerning the permit should be directed to the TCEQ Stormwater Team Leader Wastewater Permitting Section at (512) 239-4671 or swgp@tceq.texas.gov and wqap@tceq.texas.gov

Texas Commission on Environmental Quality



GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

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


This permit supersedes and replaces
TPDES General Permit No. TXR040000, issued January 24, 2019

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

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

EFFECTIVE DATE: August 15, 2024

ISSUED DATE: August 15 2024



For the Commission

**TCEQ GENERAL PERMIT NUMBER TXR040000
RELATING TO DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

Table of Contents

Part I. Definitions.....	6
Part II. Permit Applicability and Coverage	12
Section A. Small MS4s Eligible for Authorization under this General Permit.....	12
1. Small MS4s Located in an Urban Area with a Population of at Least 50,000 People	12
2. Designated Small MS4s	12
3. Regulated Portion of Small MS4	12
Section B. Categories of Regulated Small MS4s.....	13
Section C. Available Waivers from Coverage	13
1. Waiver Option 1:	14
2. Waiver Option 2:.....	15
Section D. Allowable Non-Stormwater Discharge.....	15
Section E. Limitations on Permit Coverage	16
1. Discharges Authorized by Another TPDES Permit	16
2. Discharges of Stormwater Mixed with Non-Stormwater	16
3. Compliance with Texas Surface Water Quality Standards	17
4. Discharges to the Edwards Aquifer Recharge Zone	17
5. Discharges to Specific Watersheds and Water Quality Areas	18
6. Protection of Streams and Watersheds by Home Rule Municipalities	18
7. Indian Country Lands.....	18
8. Endangered Species Act.....	18
Section F. Obtaining Authorization	18
1. Application for Coverage	18
2. Application Deadlines.....	19
3. Late Submission of the NOI.....	19
4. Contents of the NOI.....	20
5. SWMP General Requirements.....	21
6. Changes to the NOI Submitted and SWMP.....	21
7. Notice of Change (NOC)	22

2024 Small MS4 General Permit

8.	Change in Operational Control of a Small MS4.....	22
9.	Notice of Termination (NOT)	22
10.	Signatory Requirement for NOI, NOT, NOC, and Waiver Forms	23
11.	Electronic Reporting Waiver	23
12.	Fees	23
13.	Permit Expiration	23
14.	Suspension of Permit Coverage	24
	Section G. Permitting Options.....	24
1.	Authorization Under the General Permit	24
2.	Alternative Coverage Under an Individual TPDES Permit	25
	Part III. Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements...	25
	Section A. Discharges to Water Quality Impaired Water Bodies with an Approved TMDL.....	25
1.	Targeted Controls	26
2.	Measurable Goals.....	26
3.	Identification of Benchmarks	26
4.	Annual Report.....	27
5.	Impairment for Bacteria	27
6.	Monitoring or Assessment of Progress.....	29
7.	Observing No Progress Towards the Benchmark.....	30
	Section B. Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL.....	30
1.	Discharging a Pollutant of Concern.....	31
2.	Impairment for Bacteria	31
3.	Annual Report.....	31
	Part IV. Stormwater Management Program (SWMP).....	31
	Section A. SWMP Review	31
	Section B. SWMP Updates Required by TCEQ	31
	Section C. Developing a Stormwater Management Program (SWMP).....	32
1.	SWMP Development and Schedule	32
2.	Contents of the SWMP.....	32
3.	Legal Authority	33
4.	Resources	34
5.	Effluent Limitations.....	34

2024 Small MS4 General Permit

6. Enforcement Measures	34
7. General Requirements	34
Section D. Minimum Control Measures (MCMs).....	35
1. Public Education and Outreach	35
2. Public Involvement/Participation	40
3. Illicit Discharge Detection and Elimination (IDDE)	42
4. Construction Site Stormwater Runoff Control	49
5. Post Construction Stormwater Management in New Development and Redevelopment	53
6. Pollution Prevention and Good Housekeeping for Municipal Operations	55
7. Industrial Stormwater Sources.....	69
8. Authorization for Construction Activities where the Small MS4 is the Site Operator.....	70
Part V. Recordkeeping and Reporting	71
Section A. Recordkeeping.....	71
Section B. Reporting.....	71
1. General Reporting Requirements.....	71
2. Annual Report.....	72
Part VI. Standard Permit Conditions	73
Part VII. Authorization for Municipal Construction Activities – Applicable only if the Optional 8 th MCM is Selected	75
Section A. Eligible Construction Sites	75
Section B. Discharges Eligible for Authorization	75
1. Stormwater Associated with Construction Activity.....	75
2. Discharges of Stormwater Associated with Construction Support Activities	75
3. Non-Stormwater Discharges	76
4. Other Permitted Discharges	76
Section C. Limitations on Permit Coverage	76
Section D. Stormwater Pollution Prevention Plan (SWP3) Requirements	76
Section E. Contents of SWP3.....	77
1. Site Description.....	77
2. Structural and non-structural controls.....	78
3. Stabilization Practices.....	78
4. Structural Control Practices	79

2024 Small MS4 General Permit

5. Permanent Stormwater Controls.....	80
6. Other Controls	80
7. Effluent Limitations.....	80
8. Approved State and Local Plans	80
9. Maintenance	80
10. Inspections of Controls.....	81
11. Observation and Evaluation of Dewatering Controls.....	83
12. Pollution Prevention Measures.....	83
Section F. Stormwater Runoff from Concrete Batch Plant.....	84
1. Benchmark Sampling Requirements.....	84
2. BMPs and SWP3 Requirements for Concrete Batch Plants	85
3. Concrete Truck Wash Out Requirements.....	88
Section G. Effective Date of Coverage	89
Section H. Deadlines for SWP3 Preparation and Compliance	89
Section I. Plan Review and Making Plans Available	89
Section J. Keeping Plans Current	89
Section K. Delegation of Signatory Authority	89
Section L. Additional Retention of Records.....	89

Part I. Definitions

Arid Areas – Areas with an average annual rainfall of less than ten inches.

Benchmarks – A benchmark pollutant value is a guidance level indicator that helps determine the effectiveness of chosen best management practices (BMPs). This type of monitoring differs from “compliance monitoring” in that exceedances of the indicator or benchmark level are not permit violations, but rather indicators that can help identify problems at the Municipal Separate Storm Sewer System (MS4) with exposed or unidentified pollutant sources; or control measures that are either not working correctly, whose effectiveness need to be re-considered, or that need to be supplemented with additional BMP(s).

Best Management Practices (BMPs) – Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Catch Basins – Storm drain inlets and curb inlets to the storm drain system. Catch basins typically include a grate or curb inlet that may accumulate sediment, debris, and other pollutants.

Classified Segment – A water body that is listed and described in Appendix A or Appendix C of the Texas Surface Water Quality Standards, at 30 Texas Administrative Code (TAC) § 307.10.

Clean Water Act (CWA) – The Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972, Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, and Pub. L. 97-117, 33 U.S.C. 1251 et. seq.

Common Plan of Development or Sale – A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development or sale is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Construction Activity – Soil disturbance, including clearing, grading, excavating, and other construction related activities (e.g., stockpiling of fill material and demolition); and not including routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

Small Construction Activity is construction activity that results in land disturbance of equal to or greater than one acre and less than five acres of land. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one and less than five acres of land.

Large Construction Activity is construction activity that results in land disturbance of equal to or greater than five acres of land. Large construction activity also includes the disturbance of less than five acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five acres of land.

Construction Site Operator – The entity or entities associated with a small or large construction project that meet(s) either of the following two criteria:

- (a) The entity or entities that have operational control over construction plans and specifications (including approval of revisions) to the extent necessary to meet the requirements and conditions of this general permit; or
- (b) The entity or entities that have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a stormwater pollution prevention plan (SWP3) for the site or other permit conditions (for example they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Control Measure – Any BMP or other method used to prevent or reduce the discharge of pollutants to water in the state.

Conveyance – Curbs, gutters, man-made channels and ditches, drains, pipes, and other constructed features designed or used for flood control or to otherwise transport stormwater runoff.

Discharge – When used without a qualifier, refers to the discharge of stormwater runoff or certain non-stormwater discharges as allowed under the authorization of this general permit.

Edwards Aquifer – As defined in 30 TAC § 213.3 (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone – Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located on the TCEQ website or in the offices of the TCEQ.

Final Stabilization – A construction site where any of the following conditions are met:

- (a) All soil disturbing activities at the site have been completed and a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent (%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.
- (b) For individual lots in a residential construction site by either:
 - (1) The homebuilder completing final stabilization as specified in condition (a) above; or
 - (2) The homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.

- (c) For construction activities on land used for agricultural purposes (for example pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.
- (d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
 - (1) Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and
 - (2) The temporary erosion control measures are selected, designed, and installed to achieve 70 percent (%) vegetative coverage within three years.

General Permit – A permit issued to authorize the discharge of waste into or adjacent to water in the state for one or more categories of waste discharge within a geographical area of the state or the entire state as provided by Texas Water Code (TWC) § 26.040.

Groundwater Infiltration – For the purposes of this permit, groundwater that enters a municipal separate storm sewer system (including sewer service connections and foundation drains) through such means as defective pipes, pipe joints, connections, or manholes.

High Priority Facilities – High priority facilities are facilities with a high potential to generate stormwater pollutants. These facilities must include, at a minimum, the MS4 operator's maintenance yards, hazardous waste facilities, fuel storage locations, and other facilities where chemicals or other materials have a high potential to be discharged in stormwater. Among the factors that must be considered when giving a facility a high priority ranking are: the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must not be performed outside (for example, changing automotive fluids, vehicle washing), proximity to water bodies, proximity to sensitive aquifer recharge features, poor housekeeping practices, and discharge of pollutant(s) of concern to impaired water(s).

Hyperchlorinated Water – Water resulting from hyperchlorination of waterlines or vessels, with a chlorine concentration greater than 10 milligrams per liter (mg/L).

Illicit Connection – Any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge – Any discharge to an MS4 that is not entirely composed of stormwater, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency fire-fighting activities.

Impaired Water – A surface water body that is identified as impaired on the latest U.S. Environmental Protection Agency (EPA) approved Clean Water Act (CWA) § 303(d) List or waters with an EPA approved or established TMDL that are found on the latest EPA approved *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)* which lists the category 4 and 5 water bodies.

Implementation Plan (I-Plan) – A detailed plan of action that describes the measures or activities necessary to achieve the pollutant reductions identified in the total maximum daily load (TMDL).

Indian Country – Defined in 18 U.S.C. § 1151 as:

- (a) All land within the limits of any Indian reservation under the jurisdiction of the United States (U.S.) Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;
- (b) All dependent Indian communities within the borders of the U.S. whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a state; and
- (c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. This definition includes all land held in trust for an Indian tribe.

Indicator Pollutant – An easily measured pollutant, that may or may not impact water quality that indicates the presence of other stormwater pollutants.

Industrial Activity – Any of the ten categories of industrial activities included in the definition of “stormwater discharges associated with industrial activity” as defined in 40 Code of Federal Regulations (CFR) § 122.26(b)(14)(i)-(ix) and (xi).

Infeasible – For the purpose of this permit, infeasible means not technologically possible, or not economically practicable and achievable in light of best industry practices. The TCEQ notes that it does not intend for any small MS4 general permit requirement to conflict with state water right laws.

Maximum Extent Practicable (MEP) – The technology-based discharge standard for MS4s to reduce pollutants in stormwater discharges that was established by the CWA § 402(p). A discussion of MEP as it applies to small MS4s is found in 40 CFR § 122.34.

MS4 Operator – For the purpose of this permit, the public entity or the entity contracted by the public entity, responsible for management and operation of the small municipal separate storm sewer system that is subject to the terms of this general permit.

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

- (a) Owned or operated by the U.S., a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under the CWA § 208 that discharges to surface water in the state;
- (b) That is designed or used for collecting or conveying stormwater;
- (c) That is not a combined sewer; and
- (d) That is not part of a publicly owned treatment works (POTW) as defined in 40 CFR § 122.2.

Non-traditional Small MS4 – A small MS4 that often cannot pass ordinances and may not have the enforcement authority like a traditional small MS4 would have to enforce the stormwater management program. Examples of non-traditional small MS4s include counties, transportation authorities (including the Texas Department of Transportation), municipal utility districts, drainage districts, military bases, prisons, and universities.

Notice of Change (NOC) – A written notification from the permittee to the executive director providing changes to information that was previously provided to the agency in a Notice of Intent.

Notice of Intent (NOI) – A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT) – A written submission to the executive director from a permittee authorized under a general permit requesting termination of coverage under this general permit.

Outfall – A point source at the point where a small MS4 discharges to Waters of the U.S. and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other Waters of the U.S. and are used to convey Waters of the U.S. For the purpose of this permit, sheet flow leaving a linear transportation system without channelization is not considered an outfall. Point sources such as curb cuts; traffic or right-of-way barriers with drainage slots that drain into open culverts, open swales, or an adjacent property, or otherwise not actually discharging into Waters of the U.S. are not considered an outfall.

Permittee – The MS4 operator authorized under this general permit.

Point Source – (from 40 CFR § 122.22) any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

Pollutant(s) of Concern (POCs) – For the purpose of this permit, includes biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids (TSS), turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from an MS4. (Definition from 40 CFR § 122.32(e)(3)).

Redevelopment – Alterations of a property that changed the “footprint” of a site or building in such a way that there is a disturbance of equal to or greater than one acre of land. This term does not include such activities as exterior remodeling, routine maintenance activities, and linear utility installation.

Semiarid Areas – Areas with an average annual rainfall of at least ten inches, but less than 20 inches.

Small Municipal Separate Storm Sewer System (MS4) – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):

- (a) Owned or operated by the U.S., a state, city, town, borough, county, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under CWA § 208;
- (b) Designed or used for collecting or conveying stormwater;
- (c) Which is not a combined sewer;
- (d) Which is not part of a POTW as defined in 40 CFR § 122.2; and

- (e) Which was not previously regulated under a National Pollutant Discharge Elimination System (NPDES) or a Texas Pollutant Discharge Elimination System (TPDES) individual permit as a medium or large municipal separate storm sewer system, as defined in 40 CFR §§ 122.26(b)(4) and (b)(7).

This term includes systems similar to separate storm sewer systems at military bases, large hospitals or prison complexes, and highways and other thoroughfares. This term does not include separate storm sewers in very discrete areas, such as individual buildings. For the purpose of this permit, a very discrete system also includes storm drains associated with certain municipal offices and education facilities serving a nonresidential population, where those storm drains do not function as a system, and where the buildings are not physically interconnected to a small MS4 that is also operated by that public entity.

Stormwater and Stormwater Runoff – Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Associated with Construction Activity – Stormwater runoff from an area where there is either a large construction or a small construction activity.

Stormwater Management Program (SWMP) – A comprehensive program to manage the quality of discharges from the MS4.

Structural Control (or Practice) – A pollution prevention practice that requires the construction of a device, or the use of a device, to capture or prevent pollution in stormwater runoff. Structural controls and practices may include but are not limited to wet ponds, bioretention, infiltration basins, stormwater wetlands, silt fences, earthen dikes, drainage swales, vegetative lined ditches, vegetative filter strips, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State – Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state. Waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Total Maximum Daily Load (TMDL) – The total amount of a substance that a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Traditional Small MS4 – A small MS4 that can pass ordinances and have the enforcement authority to enforce the stormwater management program. An example of traditional MS4s includes cities.

Urban Area – A statistical geographic entity consisting of a densely settled core created from census blocks and contiguous qualifying territory that together have at least 2,000 housing units or 5,000 persons as defined and used by the U.S. Census Bureau in the 2020 Decennial Census.

Urbanized Area (UA) – A retired statistical geographic entity type consisting of a densely settled core created from census tracts or blocks and adjacent densely settled territory that together have a minimum population of 50,000 people which was used by the U.S. Census Bureau in the 2000 and the 2010 Decennial Census.

Waters of the United States – Waters of the United States or Waters of the U.S. means the term as defined in 40 CFR § 122.2.

Part II. Permit Applicability and Coverage

This Comprehensive General Permit provides authorization for stormwater and certain non-stormwater discharges from small (Phase II) municipal separate storm sewer systems (MS4) to surface water in the state. The general permit contains the required permit terms and conditions along with clear, specific, and measurable requirements applicable to all small MS4s that are eligible for coverage under this general permit (see 40 CFR § 122.28(d)(1)).

Section A. Small MS4s Eligible for Authorization under this General Permit

Discharges from a small MS4 must be authorized if any of the following criteria are met and may be authorized under this general permit if coverage is not otherwise prohibited.

1. Small MS4s Located in an Urban Area with a Population of at Least 50,000 People

Operators of small MS4s that are fully or partially located within an urban area with a population of at least 50,000 people, as determined by the 2000, 2010, or 2020 Decennial Censuses by the U.S. Census Bureau, must obtain authorization for the discharge of stormwater runoff and are eligible for coverage under this general permit unless otherwise prohibited.

NOTE: Urban areas with a population of at least 50,000 people were referred to as Urbanized Areas in the 2000 and 2010 Decennial Censuses by the U.S. Census Bureau. The term Urbanized Area was retired in the 2020 Decennial Census by the U.S. Census Bureau.

2. Designated Small MS4s

A small MS4 that is outside an urban area with a population of at least 50,000 people that is *designated* by TCEQ based on evaluation criteria as required by 40 CFR §§ 122.32(a)(2) or 122.26(a)(1)(v) and adopted by reference in 30 TAC § 281.25, is eligible for coverage under this general permit. The criteria that the executive director may consider is as follows:

- The location of the discharge with respect to Waters of the U.S. as defined at 40 CFR § 122.2;
- The size of the discharge;
- The quantity and nature of the pollutants discharged to Waters of the U.S.; and
- Other relevant factors.

Following designation, operators of small MS4s must obtain authorization under this general permit or apply for coverage under a TPDES individual stormwater permit within 180 days of notification of their designation.

3. Regulated Portion of Small MS4

The portion of the small MS4 that is required to meet the conditions of this general permit are those portions that are located within the urban area with a population of at least 50,000 people as defined and used by the U.S. Census Bureau in the 2000, 2010, or 2020 Decennial Censuses, as well as any portion of the small MS4 that is designated by TCEQ.

For the purpose of this permit, the regulated portion of a small MS4 for a transportation entity is the land owned by the permittee within the urban area with a population of at least 50,000 people which functions as or is integral to a transportation system with drainage conveyance. Non-contiguous property that does not drain into the transportation drainage system is not subject to this general permit.

Section B. Categories of Regulated Small MS4s

This general permit defines small MS4 operators by the following categories, or levels, based on the population served by the MS4 within the 2020 urban area with a population of at least 50,000 people. The level of an MS4 is based on population in the most recent Decennial Census at the time of permit issuance. A national Census held during a permit term will not affect the level of an MS4 until the next permit renewal.

For the purpose of this section, “serve a population” means the residential population within the *regulated* portion of the small MS4 based on the population data from the 2020 Decennial Census, except for non-traditional small MS4s listed in Level 2b below.

The level of a small MS4 may change during the permit term based on the MS4 operator acquiring or giving up regulated area(s), such as by annexing land or if land is annexed away. However, the level of a small MS4 will not change during the permit term based on other population fluctuations.

- Level 1: Operators of traditional small MS4s that serve a population of less than 10,000 within an “urban area with a population of at least 50,000 people”.
- Level 2a: Operators of traditional small MS4s that serve a population of at least 10,000 but less than 40,000 within an “urban area with a population of at least 50,000 people”.
- Level 2b: Operators of all non-traditional small MS4s such as counties, drainage districts, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the “urban area with a population of at least 50,000 people”, unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served.
- Level 3: Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,000 within an “urban area with a population of at least 50,000 people”.
- Level 4: Operators of traditional small MS4s that serve a population of 100,000 or more within an “urban area with a population of at least 50,000 people”.

Section C. Available Waivers from Coverage

The TCEQ may waive permitting requirements for regulated small MS4 operators if the criteria are met for Waiver Option 1 or Option 2 below. To obtain Waiver Option 1 or Option 2, the MS4 operator must submit the request on the appropriate waiver form submitted electronically via the NPDES Electronic Reporting Tool for MS4s (NeT-MS4) online electronic permitting (e-permitting) system, unless the MS4 operator requested and obtained an Electronic Reporting Waiver as described in Part II.F.11. MS4 operators that are granted an Electronic

Reporting Waiver shall submit the request for a waiver from permit coverage on a paper Waiver Option 1 or Option 2 form, as applicable, provided by the executive director.

NOTE: To obtain Waiver Option 2, the MS4 operator must contact the executive director and coordinate the activities required to meet the waiver conditions prior to preparing and submitting the Waiver Option 2 form.

Provisional coverage begins upon electronic submittal of the appropriate waiver form that is administratively complete via the NeT-MS4 online e-permitting system available through the TCEQ website. Alternatively, for paper applications with an approved Electronic Reporting Waiver provisional coverage begins 30 days after an administratively complete paper waiver form is postmarked for delivery to TCEQ.

Following review of the small MS4's waiver form, the executive director may:

- (1) determine that the waiver form is technically complete and approve the waiver by providing a notification and a waiver number;
- (2) determine that the waiver form is incomplete and deny the waiver until a technically completed waiver form is submitted; or
- (3) deny the waiver and require that permit coverage be obtained by submitting an application.

If the conditions of an approved waiver are not met by the MS4 operator, then the MS4 operator must submit an application for coverage under this general permit or a separate TPDES individual permit application.

At any time, TCEQ may require a previously waived MS4 operator to comply with this general permit or another TPDES permit if circumstances change so that the conditions of the waiver are no longer met. Changed circumstances can also allow a regulated MS4 operator to request a waiver at any time.

The TCEQ can request to review any waivers granted to MS4 operators to determine whether any of the information required for granting the waiver has changed, at any time. At a minimum TCEQ will review all waivers when MS4 operators submit their renewal waiver applications.

For the purpose of obtaining an Option 1 or Option 2 Waiver, the population served refers to:

- the residential population within the regulated portion of the small MS4 for
 - traditional small MS4s, and
 - certain non-traditional small MS4s with a residential population (such as counties and municipal utility districts), or
- the number of people using the small MS4 on an average operational day for certain non-traditional small MS4s without a residential population.

1. Waiver Option 1:

The small MS4 serves a population of less than 1,000 within an urban area with a population of at least 50,000 people and meets the following criteria:

- (a) The small MS4 is not contributing substantially to the pollutant loadings of a physically interconnected MS4 that is regulated by the NPDES / TPDES stormwater program (40 CFR § 122.32(d)); and
- (b) If the small MS4 discharges any pollutant(s) that have been identified as a cause of impairment of any water body to which the small MS4 discharges, stormwater controls

are not needed based on waste load allocations that are part of an EPA approved or established Total Maximum Daily Load (TMDL) that addresses the pollutant(s) of concern (POCs).

2. Waiver Option 2:

The small MS4 serves a population under 10,000 within an urban area with a population of at least 50,000 people and meets the following criteria:

- (a) The TCEQ has evaluated all Waters of the U.S., including small streams, tributaries, lakes, and ponds, that receive a discharge from the small MS4;
- (b) For all such waters, the TCEQ has determined that stormwater controls are not needed based on waste load allocations that are part of an approved or established TMDL that addresses the POCs or, if a TMDL has not been developed or approved, an equivalent analysis that determines sources and allocations for the POCs;
- (c) The TCEQ has determined that future discharges from the small MS4 do not have the potential to exceed Texas Surface Water Quality Standards, including impairment of designated uses, or other significant water quality impacts, including habitat and biological impacts; and
- (d) For the purpose of Waiver Option 2, the POCs include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids (TSS), turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from the small MS4.

Section D. Allowable Non-Stormwater Discharge

The following non-stormwater sources may be discharged from the small MS4 and are not required to be addressed in the small MS4's Illicit Discharge and Detection or other minimum control measures, unless they are determined by the permittee or TCEQ to be significant contributors of pollutants to the small MS4, or they are otherwise prohibited by the MS4 operator:

1. Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
2. Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
3. Discharges from potable water sources that do not violate Texas Surface Water Quality Standards;
4. Diverted stream flows;
5. Rising ground waters and springs;
6. Uncontaminated ground water infiltration;
7. Uncontaminated pumped ground water;

8. Foundation and footing drains;
9. Air conditioning condensation;
10. Water from crawl space pumps;
11. Individual residential vehicle washing;
12. Flows from wetlands and riparian habitats;
13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper wastewater;
15. Discharges or flows from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, runoff water from training activities, test water from fire suppression systems, and similar activities);
16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
17. Non-stormwater discharges that are specifically listed in the TPDES Multi-Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

Section E. Limitations on Permit Coverage

1. Discharges Authorized by Another TPDES Permit

Discharges authorized by an individual or other general TPDES permit may be authorized under this TPDES general permit only if the following conditions are met:

- (a) The discharges meet the applicability and eligibility requirements for coverage under this general permit;
- (b) A previous application or permit for the discharges has not been denied, terminated, or revoked by the executive director as a result of enforcement or water quality related concerns. The executive director may provide a waiver to this provision based on new circumstances at the regulated small MS4; and
- (c) The executive director has not determined that continued coverage under an individual permit is required based on consideration of an approved TMDL model and TMDL Implementation Plan, anti-backsliding policy, history of substantive non-compliance or other 30 TAC Chapter 205 considerations and requirements, or other site-specific considerations.

2. Discharges of Stormwater Mixed with Non-Stormwater

Stormwater discharges that combine with sources of non-stormwater are not eligible for coverage by this general permit, unless either the non-stormwater source is described in Part II.D of this general permit or the non-stormwater source is authorized under a separate TPDES permit.

3. Compliance with Texas Surface Water Quality Standards

Discharges to surface water in the state that would cause, has the reasonable potential to cause, or contribute to a violation of Texas Surface Water Quality Standards (30 TAC Chapter 307) or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit except as described in Part III. The executive director may require an application for a TPDES individual permit or alternative general permit to authorize discharges to surface water in the state if the executive director determines that an activity will cause has the reasonable potential to cause, or contribute to, a violation of Texas Surface Water Quality Standards or is found to cause, have the reasonable potential to cause, or contribute to the impairment of a designated use of surface water in the state. The executive director may also require an application for a TPDES individual permit based on factors described in Part II.G.2.

4. Discharges to the Edwards Aquifer Recharge Zone

Discharges of stormwater from regulated small MS4s, and other non-stormwater discharges, are not authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (Edwards Aquifer Rule). New discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

For existing discharges, the requirements of the TCEQ approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in stormwater runoff are in addition to the effluent limitation requirements found in Part VII.E.7. of this general permit.

The permittee's TCEQ approved WPAPs that are required by the Edwards Aquifer Rule must be referenced in the SWMP. Additional TCEQ approved WPAPs received after the SWMP submittal must be recorded in the annual report required by this general permit for each respective permit year. For discharges originating from the small MS4 permitted area and located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the MS4 Notice of Intent (NOI) to the appropriate TCEQ Regional Office with each WPAP application.

Counties: Comal, Bexar, Medina, Uvalde, and Kinney

Contact:

TCEQ, Water Program Manager

San Antonio Regional Office

14250 Judson Road

San Antonio, Texas 78233-4480

(210) 490-3096

Counties: Williamson, Travis, and Hays

Contact:

TCEQ, Water Program Manager

Austin Regional Office
12100 Park 35 Circle, Bldg. A, Rm 179
Austin, Texas 78753
(512) 339-2929

5. Discharges to Specific Watersheds and Water Quality Areas

Discharges of stormwater from regulated small MS4s and other non-stormwater discharges are not authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

6. Protection of Streams and Watersheds by Home Rule Municipalities

This general permit does not limit the authority of a home-rule municipality established in Texas Statute.

7. Indian Country Lands

Stormwater runoff from small MS4s that occur on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of stormwater require authorization under federal NPDES regulations, authority for these discharges must be obtained from EPA.

8. Endangered Species Act

Discharges that would adversely affect a listed endangered or threatened species or its critical habitat are not authorized by this general permit. Federal requirements related to endangered species apply to all TPDES permitted discharges, and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee shall contact TCEQ for additional information prior to submittal of the NOI. If adverse impact is determined after submittal of the NOI, the permittee shall contact TCEQ immediately to determine corrective action.

Section F. Obtaining Authorization

1. Application for Coverage

Applicants seeking authorization to discharge under this general permit must prepare a SWMP as described in Part II.F.5 and Part IV prior to submitting a complete NOI and application fee for coverage as described in Part II.F.4 to the executive director. The NOI must be submitted electronically via the NeT-MS4 online e-permitting system, unless the MS4 operator requested and obtained an Electronic Reporting Waiver as described in Part II.F.11. MS4 operators that are granted an Electronic Reporting Waiver shall submit the request on a paper NOI form provided by the executive director.

Following review of the NOI, the executive director may: 1) determine that the submission is complete and approve the NOI; 2) determine that the NOI is incomplete, deny coverage, and require that a new complete NOI be submitted; 3) determine that the NOI needs revisions, provide a written description of the required revisions along with any compliance schedule(s), and approve the NOI after revisions are complete; or 4) deny coverage under this general permit

and provide a deadline by which the small MS4 operator must submit an application for a TPDES individual permit.

Following approval of the NOI by the executive director, either with or without changes, the applicant is authorized to discharge upon notification by TCEQ. Denial of coverage under this general permit is subject to the requirements of 30 TAC § 205.4(c).

2. Application Deadlines

Application deadlines are as follows:

- (a) Small MS4s Located in a 2000 or 2010 urban area with a population of at least 50,000 people (Previously Regulated Small MS4s)
 - (1) Operators of small MS4s described in Part II.A.1 that applied for authorization under the 2019 TPDES Small MS4 General Permit TXR040000 based on the 2000 and 2010 urban areas with a population of at least 50,000 people shall submit an NOI within 180 days following the effective date of this general permit.
 - (2) Operators of small MS4s described in Part II.A.1 that did not submit an application for authorization under the 2019 TPDES Small MS4 General Permit TXR040000 and were required to obtain permit coverage based on the 2000 and 2010 urban areas with a population of at least 50,000 people shall submit an NOI immediately.
- (b) Designated and Newly Regulated Small MS4s Located in a 2000, 2010, or 2020 urban area with a population of at least 50,000 people as defined by the U.S. Census Bureau
 - (1) Following designation, operators of small MS4s described in Part II.A.2 shall develop and maintain a SWMP and submit an NOI, or apply for coverage under a TPDES individual permit, within 180 days of being notified in writing by the TCEQ of the need to obtain permit coverage.
 - (2) Operators of small MS4s newly regulated under this general permit due to a change in ownership or operational control shall develop and maintain a SWMP and submit an NOI, or apply for coverage under a TPDES individual permit, within 180 days of obtaining ownership or operational control of a small MS4 in a regulated area.
 - (3) Operators of small MS4s newly regulated under this general permit due to the new or expanded urban areas with a population of at least 50,000 people in the 2020 Decennial Census shall develop and maintain a SWMP and submit an NOI, or apply for coverage under a TPDES individual permit, within 180 days following the effective date of this general permit.
- (c) Individual Permit Alternative

If an operator of a small MS4 described in Part II.A.1 of this general permit elects to apply for a TPDES individual permit, the application must be submitted within 90 days following the effective date of this general permit.

3. Late Submission of the NOI

If an NOI is submitted by a small MS4 operator after the deadlines established in Part II.F.2, then this general permit provides authorization only for discharges that occur after permit coverage is obtained. The TCEQ reserves the right to take appropriate enforcement actions for any unpermitted discharges.

4. Contents of the NOI

The NOI must contain the following minimum information:

- (a) MS4 Operator Information
 - (1) The name, mailing address, electronic mail (email) address, telephone number, and facsimile (fax) number of the MS4 operator; and
 - (2) The legal status of the MS4 operator (for example, federal government, state government, county government, city government, or other government).
- (b) Site Information
 - (1) The name, physical location description, and latitude and longitude of the approximate center of the regulated portion of the small MS4;
 - (2) County or counties where the small MS4 is located;
 - (3) An indication if all or a portion of the small MS4 is located on Indian Country Lands;
 - (4) The name, mailing address, telephone number, email (if available) and fax number of the designated person(s) responsible for implementing or coordinating implementation of the SWMP;
 - (5) A signature and certification on the NOI, according to 30 TAC § 305.44, that a SWMP has been developed according to the provisions of this general permit;
 - (6) The name of each classified segment that receives discharges, directly or indirectly, from the small MS4. If one or more of the discharge(s) is not directly to a classified segment, then the name of the first classified segment that those discharges reach must be identified;
 - (7) The name of any MS4 receiving the discharge prior to discharge into Waters of the U.S.;
 - (8) The name of all surface water(s) receiving discharges from the small MS4 that are on the latest EPA-approved CWA § 303(d) List of impaired waters;
 - (9) An indication of whether the small MS4 discharges within the Recharge Zone, the Contributing Zone or the Contributing Zone within the Transition Zone of the Edwards Aquifer; and
 - (10) Any other information deemed necessary by the executive director.
- (c) General Characteristics
 - (1) An indication of the activities/BMPs and measurable goals to be implemented in the SWMP for each MCM;
 - (2) An indication of the activities/BMPs and measurable goals to be implemented in the SWMP for impaired water bodies, if applicable;
 - (3) For small MS4 operators participating in a coalition to implement a shared SWMP:
 - a. The names of all participating small MS4 operators;
 - b. An indication of which small MS4 operator is responsible for each activity/BMP and measurable goal to be implemented in the SWMP;
 - (4) Any other information deemed necessary by the executive director.

5. SWMP General Requirements

A SWMP must be developed for eligible discharges that will reach Waters of the U.S., including discharges from the regulated small MS4 to other MS4s or to privately-owned separate storm sewer systems that subsequently drain to Waters of the U.S. The SWMP must be developed according to the requirements of Part IV of this general permit prior to submitting an NOI to obtain authorization to discharge.

The SWMP must include, as appropriate, the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action throughout the permit term.

New elements in the SWMP must be completely implemented within five years of the effective date of this general permit, or within five years of being designated for those small MS4s which are designated following their permit authorization issuance. Previously regulated MS4s shall assess existing SWMP elements set forth in the previous permit term, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the small MS4 to the maximum extent practicable (MEP).

6. Changes to the NOI Submitted and SWMP

Changes to the NOI and SWMP that are made after TCEQ approval of the NOI may be made by submittal and approval of a Notice of Change (NOC) unless the changes are non-substantial. Changes may be made as follows:

(a) Changes to the SWMP that do not require an NOC

The following changes may be implemented without submitting an NOC. The changes may be made immediately following revision of the SWMP.

Minor modifications to the SWMP that include administrative or non-substantial changes as follows:

- (1) A change in personnel, or a reorganization of departments responsible for implementing the SWMP or portions of the SWMP;
- (2) Minor clarifications to the existing BMPs;
- (3) Correction of typographical errors; or
- (4) Other similar administrative or non-substantive comments.

(b) Changes to the NOI and SWMP that require an NOC

Modifications to the NOI and SWMP that include, but are not limited to, the following changes require submittal of an NOC. The changes may be implemented once the permittee receives TCEQ approval of the NOC.

- (1) Changing one or more contacts listed in the NOI or updating their contact information;
- (2) Adding components, controls, or requirements to the SWMP;
- (3) Adding areas such as by annexing land, or otherwise acquire additional land that expands the boundary of the small MS4, or subtracting areas, such as by de-annexing lands;
- (4) Adding impaired water bodies that are identified pursuant to Part III.;

- (5) Adding more frequent monitoring or reporting by the permittee; or
- (6) Replacing a BMP specifically identified in the NOI and SWMP with an alternative BMP, (for example, replacing a structural BMP with a non-structural BMP would be considered a replacement). The SWMP must include documentation for changes as described below:
 - a. For changes to BMPs for impaired water bodies with a TMDL, document the following:
 - (i) an analysis of why the BMP is ineffective or infeasible (including cost prohibitive);
 - (ii) expectations of the effectiveness of the replacement BMP; and
 - (iii) an analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.
 - b. For all other BMP changes, document the reason for the change.

7. Notice of Change (NOC)

If the small MS4 operator becomes aware that it failed to submit any relevant facts, or submitted incorrect information in the NOI, the correct information must be provided to the executive director in an NOC within 30 days after discovery. If any information provided in the NOI changes, an NOC must be submitted within 30 days from the time the permittee becomes aware of the change. The NOC must be submitted electronically via the NeT-MS4 online e-permitting system, unless the MS4 operator requested and obtained an Electronic Reporting Waiver as described in Part II.F.11. MS4 operators that are granted an Electronic Reporting Waiver shall submit the request on a paper NOC form provided by the executive director.

Any revisions that are made to the SWMP must be made in accordance with Parts II.F.6 and Part IV.A-B. Changes that are made to the NOI and SWMP following NOI approval must be made using an NOC form, in accordance with Part II.F.6.

8. Change in Operational Control of a Small MS4

If the operational control of the regulated small MS4 changes, the previous small MS4 operator must submit a Notice of Termination (NOT) and the new small MS4 operator must prepare a SWMP and submit an NOI. The NOT and NOI must be submitted concurrently not more than ten calendar days after the change occurs. Existing permittees who are expanding coverage of their MS4 area (e.g., city annexes part of unincorporated county MS4) are not required to submit a new NOI but must submit an NOC and update the SWMP in accordance with Part II.F.7 and Part IV.C.1.(c).

9. Notice of Termination (NOT)

A permittee may terminate coverage under this general permit by submitting an NOT electronically via the NeT-MS4 online e-permitting system, unless the permittee requested and obtained an Electronic Reporting Waiver as described in Part II.F.11. Permittees that are granted an Electronic Reporting Waiver shall submit the request on a paper NOT form provided by the executive director.

Authorization to discharge terminates immediately following confirmation of receipt of the electronic NOT form by the TCEQ or at midnight on the day that a paper NOT is postmarked

for delivery to the TCEQ. An NOT must be submitted within 30 days after the small MS4 operator obtains coverage under an individual permit.

10. Signatory Requirement for NOI, NOT, NOC, and Waiver Forms

All NOI, NOT, NOC, Waiver Option 1 or Option 2, and Electronic Reporting Waiver forms must be signed and certified consistent with 30 TAC § 305.44(a) and (b) (relating to Signatories to Applications).

11. Electronic Reporting Waiver

To request a waiver from electronic reporting, small MS4 operators must contact the TCEQ Stormwater Team to obtain the Request for Electronic Reporting Waiver Form (TCEQ-20754). This form must be submitted along with submittal of a paper application (NOI, NOT, NOC, Waiver Option 1 and 2) for authorization under this general permit.

A waiver from electronic reporting may be granted to small MS4 operators in limited cases, such as for lack of internet access, or when additional training to submit applications electronically is needed. Electronic Reporting Waivers are not transferrable and expire on the same date as the authorization to discharge except for waivers granted to small MS4 operators who need additional training to submit applications electronically which will expire after one year.

12. Fees

An application fee of \$400.00 must be submitted with each NOI. A fee is not required for submission of the following forms: Waiver Option 1, Waiver Option 2, NOT, or NOC.

A permittee authorized under this general permit must pay an annual Water Quality fee of \$100.00 as authorized under TWC § 26.0291 and 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

13. Permit Expiration

- (a) This general permit is effective for five years from the permit effective date. Authorizations for discharge under the provisions of this general permit will continue until the expiration date of the general permit. This general permit may be amended, revoked, or canceled by the commission or renewed by the TCEQ for an additional term not to exceed five years.
- (b) If the executive director proposes to reissue this general permit before the expiration date, the general permit will remain in effect until the date on which the commission takes final action on the proposal to reissue this general permit. For existing permittees, general permit coverage will remain in effect after the expiration date of the existing general permit, in accordance with 30 TAC Chapter 205. No new NOIs will be accepted, and no new authorizations will be processed under the general permit after the expiration date.
- (c) Following issuance of a renewed or amended general permit, all permittees, including those covered under the expired general permit, may be required to submit an NOI according to the requirements of the new general permit or to obtain a TPDES individual permit for those discharges. The renewed permit will include a deadline to apply for coverage, and authorization for existing permittees will be automatically extended until the deadline to apply for coverage, or until an application is submitted for renewal, whichever occurs first.

- (d) If TCEQ does not propose to reissue this general permit within 90 days before the expiration date, permittees must apply for authorization under a TPDES individual permit or an alternative general permit. If the application for an individual permit is submitted before the expiration date of this general permit, authorization under this expiring general permit remains in effect until the issuance or denial of an individual permit.

14. Suspension of Permit Coverage

The executive director may suspend an authorization under this general permit for the reasons specified in 30 TAC § 205.4(d) by providing the discharger with written notice of the decision to suspend that authority, and the written notice will include a brief statement of the basis for the decision. If the decision requires an application for an individual permit or an alternative general permit, the written notice will also include a statement establishing the deadline for submitting an application. The written notice will state that the authorization under this general permit is either suspended on the effective date of the commission's action on the permit application, unless the commission expressly provides otherwise, or immediately, if required by the executive director.

Section G. Permitting Options

1. Authorization Under the General Permit

An operator of a small MS4 is required to obtain authorization either under this general permit, or under a TPDES individual permit if the MS4 is located in an urban area with a population of at least 50,000 people or designated by the TCEQ as per Part II.A.2. Multiple small MS4s with separate operators must individually submit an NOI to obtain coverage under this general permit, regardless of whether the systems are physically interconnected, located in the same urban area with a population of at least 50,000 people, or are located in the same watershed.

Coalition Participants

Multiple small MS4s that are physically interconnected, located in the same urban area with a population of at least 50,000 people, or are located in the same watershed may combine or share efforts as a coalition in meeting one or more of the BMP requirements described in the general permit. Each regulated small MS4 will be required to submit an individual NOI and be issued a distinct permit authorization number. MS4 operators in a coalition that share SWMP development and implementation responsibilities must meet the following conditions:

- (a) The SWMP must clearly list the name and permit number for each MS4 operator that chooses to contribute to development or implementation of the SWMP, and provide written confirmation that the contributing MS4 operator(s) has/have agreed to contribute. If a contributing small MS4 has submitted an NOI to TCEQ, but has not yet received written notification of approval, along with the accompanying permit authorization number, a copy of the submitted NOI form must be made readily available or be included in the SWMP.
- (b) Each permittee is entirely responsible for meeting SWMP requirements within the boundaries of its small MS4. Where a separate MS4 operator is contributing to implementation of the SWMP, the SWMP must clearly define each minimum control measure and the component(s) each entity agrees to implement, within which MS4 area(s) each entity agrees to implement and clearly identify the contributing MS4

operator. The obligation and written acceptance for each coalition participant shall be described and maintained as part of the SWMP.

2. Alternative Coverage Under an Individual TPDES Permit

A small MS4 operator eligible for coverage under this general permit may alternatively be authorized under a TPDES individual permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). The executive director may require a small MS4 operator, authorized by this general permit, to apply for a TPDES individual permit because of: the conditions of an approved TMDL or TMDL implementation plan (I-Plan); a history of substantive non-compliance; or other 30 TAC Chapter 205 considerations and requirements; or other site-specific considerations. The executive director shall deny or suspend a facility's authorization for disposal under this general permit based on a rating of "unsatisfactory performer" according to commission rules in 30 TAC § 60.3, Use of Compliance History. An applicant who owns or operates a facility classified as an "unsatisfactory performer" is entitled to a hearing before the commission prior to having its coverage denied or suspended, in accordance with TWC § 26.040(h).

Part III. Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements

Discharges of the POCs to impaired water bodies for which there is a TCEQ and EPA approved TMDL are not eligible for this general permit unless they are consistent with the approved TMDL. A water body is impaired for purposes of the permit if it has been identified, pursuant to the latest TCEQ and EPA approved CWA § 303(d) List or the *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)* which lists the category 4 and 5 water bodies, as not meeting Texas Surface Water Quality Standards.

The permittee shall check annually, in conjunction with preparation of the annual report, whether an impaired water body within its permitted area has been added to the latest EPA approved CWA § 303(d) List or the *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)* which lists the category 4 and 5 water bodies. Within two years following the approval date of the new list(s) of impaired waters, the permittee shall comply with the requirements of Part III.B (with the exception of 1.(c), and shall identify any newly listed waters in the annual report (consistent with Part V.B.2.f) and SWMP (consistent with Part IV.C.2.f).

The permittee shall control the discharges of POCs parameters to impaired waters and waters with approved TMDLs as provided in Sections A and B below, and shall assess the progress in controlling those pollutants.

Section A. Discharges to Water Quality Impaired Water Bodies with an Approved TMDL

If the small MS4 discharges to an impaired water body with an approved TMDL, where stormwater has the potential to cause or contribute to the impairment, the permittee shall include in the SWMP controls targeting the POCs along with any additional or modified controls required in the TMDL and this section.

The SWMP and required annual reports must include information on implementing any targeted controls required to reduce the POCs as described below:

1. Targeted Controls

The SWMP must include a detailed description of all targeted controls to be implemented, including at a minimum, expanding or modifying the following:

- (a) existing Public Education and Outreach and Public Involvement/Participation programs to reduce the discharge of POCs,
- (b) existing Illicit Discharge Detection and Elimination program to specifically address the POCs, and
- (c) existing ordinances or other regulatory mechanisms to require the reduction or control of POCs, enforcement procedures for noncompliance, and develop additional ordinances, or other regulatory mechanisms, as necessary.

2. Measurable Goals

For each targeted control, the SWMP must include a measurable goal and an implementation schedule describing activities/BMPs to be implemented during each year of the permit term.

3. Identification of Benchmarks

The SWMP must identify a benchmark for the POCs. Benchmarks are designed to assist in determining if the BMPs established are effective in addressing the POCs in stormwater discharge(s) from the MS4 to the MEP. The BMPs addressing the POC must be re-evaluated on an annual basis for progress towards the benchmarks and modified as necessary within an adaptive management framework. These benchmarks are not numeric effluent limitations or permit conditions but intended to be guidelines for evaluating progress towards reducing pollutant discharges consistent with the benchmarks. The exceedance of a benchmark is not a permit violation and does not in itself indicate a violation of instream water quality standards.

The benchmark must be determined based on only one of the following options:

- (a) If the small MS4 is subject to a TMDL that identifies a Waste Load Allocation(s) (WLA) for permitted MS4 stormwater sources, then the SWMP may identify it as the benchmark. Where an aggregate allocation is used as a benchmark, all affected MS4 operators are jointly responsible for progress in meeting the benchmark and shall (jointly or individually) develop a monitoring/assessment plan as required in Part III.A.6.
 - (1) When TCEQ revises a TMDL WLA identified by the MS4 to decrease the load, permittees must revise the SWMP and submit an NOC to identify the revised WLA within 90 days of TCEQ publishing the change.
 - (2) When TCEQ revises a TMDL WLA identified by the MS4 to increase the load, permittees are not required to update the SWMP or submit an NOC to identify the revised WLA until the next permit term.
- (b) Alternatively, if multiple small MS4s are discharging into the same impaired water body with an approved TMDL, with an aggregate WLA for all permitted stormwater MS4s, then the MS4s may combine or share efforts to determine an alternative sub-benchmark value for the POCs (e.g., bacteria) for their respective small MS4. The SWMP must clearly define this alternative approach and must describe how the sub-benchmark value would cumulatively support the aggregate WLA. Where an aggregate benchmark has been broken into sub-benchmark values for individual

MS4s, each permittee is only responsible for progress in meeting its sub-benchmark value.

4. Annual Report

The annual report must include an analysis of how the selected activities/BMPs will be effective in contributing to achieving the benchmark value.

5. Impairment for Bacteria

If the POC is bacteria, the permittee shall implement BMPs addressing each of the below areas, as applicable, in the SWMP and implement as appropriate. If a TMDL I-Plan is available, the permittee must do one of the following: (1) refer to the I-Plan for appropriate BMPs, or (2) implement alternative equivalent BMPs. Table 1 below includes the appropriate alternative equivalent BMPs to implement for item (2) above or when a TMDL I-Plan is not available. Where BMPs included in the TMDL I-Plan for item (1) above are completed or where the I-Plan does not address all the below areas, the permittee shall refer to Table 1 for the appropriate BMPs to implement so that each of the areas below are addressed, as applicable.

The SWMP and annual report must include the selected BMPs. Permittees may not exclude BMPs associated with the minimum control measures (MCMs) required under 40 CFR § 122.34 from their list of BMPs.

The BMPs shall, as appropriate, address the following including Table 1.:

(a) Sanitary Sewer Systems

- (1) Make improvements to sanitary sewers to reduce overflows;
- (2) Address lift station inadequacies;
- (3) Improve reporting of overflows; and
- (4) Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease.

(b) On-site Sewage Facilities (for entities with appropriate jurisdiction)

- (1) Identify and address failing systems; and
- (2) Address inadequate maintenance of on-site sewage facilities (OSSFs) (i.e., septic systems).

(c) Illicit Discharges and Dumping

Place additional effort to reduce waste sources of bacteria, for example, from OSSFs, grease traps, and grit traps.

(d) Animal Sources

Expand existing management programs to identify and target animal sources such as zoos, pet waste, and horse stables.

(e) Residential Education

Increase focus to educate residents on:

- (1) Bacteria discharging from a residential site either during runoff events or directly;
- (2) Fats, oils, and grease clogging sanitary sewer lines and resulting overflows;

- (3) Maintenance and operation of decorative ponds; and
- (4) Proper disposal of pet waste.

Table 1: Alternative Equivalent BMPs for Bacteria Impaired Water Bodies

Activity/BMP	Measurable Goal
Sanitary Sewer Systems as described by Part III.A.5.(a).	<p>Conduct a review of 100% of the sanitary sewer system in the MS4 area within the impairment watershed to identify areas for improvement within the first two years of the permit term. Initiate all feasible improvement projects by the end of the permit term.</p> <p>Conduct weekly lift station inspections at 100% of the MS4 owned and operated lift stations in the MS4 area within the impairment watershed each year.</p> <p>Investigate and address 100% of sanitary sewer overflow complaints identified through the public reporting mechanism implemented by the MS4 each year.</p> <p>Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease by reviewing and updating ordinances or other regulatory mechanisms and inspection programs at least one time annually.</p>
On Site Sewage Facilities (OSSFs) as described by Part III.A.5.(b).	<p>Develop and implement procedures to screen 20% of the MS4 area within the impairment watershed annually to identify failing OSSFs.</p> <ul style="list-style-type: none"> • Maintain an inventory of 100% of the identified OSSFs and their status each year. <ul style="list-style-type: none"> ○ Review and update this inventory at least one time each year to address changes or additions. • Address 100% of failing OSSFs each year by requiring the responsible party to perform all necessary corrective actions to eliminate the illicit discharge. <p>Investigate and address 100% of OSSF complaints identified through the public reporting mechanism implemented by the MS4 each year.</p>
Illicit Discharges and Dumping as described by Part III.A.5.(c).	<p>Ensure 100% of procedures and ordinances or other regulatory mechanisms established for BMPs in MCM 3: Illicit Discharge Detection and Elimination address discharges that may contribute bacteria including from OSSFs, grease traps, and grit traps.</p>

Activity/BMP	Measurable Goal
Animal Sources as described by Part III.A.5.(d).	<p>Implement at least one of the following:</p> <ul style="list-style-type: none"> • Provide and maintain at least one pet waste station in 100% of public parks or similar greenspaces in the MS4 area within the impairment watershed each year. • Assess and address, if feasible, 100% of complaints received about feral hogs in the MS4 area within the impairment watershed each year. If infeasible to address the complaint, maintain documentation of the reason. Prohibit the feeding of ducks and geese in 100% of public parks or similar greenspaces the MS4 area within the impairment watershed each year. • Develop and distribute educational materials related to animal sources of bacteria to 75% of the intended audiences identified by the MS4 in MCM 1: Public Education and Outreach each year. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.
Residential Education as described by Part III.A.5.(e).	<p>Implement at least one additional BMP from MCM 1: Public Education and Outreach and Table 4 annually (e.g., a Level 1 small MS4 operator must implement at least four total BMPs under MCM 1 each year in the permit cycle instead of the three BMPs required by Part IV.D.1.(a)3.b).</p> <p>In addition, ensure at least one of the BMPs implemented for MCM 1: Public Education and Outreach focuses on at least one of the following:</p> <ul style="list-style-type: none"> • Bacteria discharging from a residential site either during runoff events or directly; • Fats, oils, and grease clogging sanitary sewer lines and resulting overflows; • Identifying and reporting illicit discharges or illegal dumping; • Maintenance and operation of decorative ponds; and • Proper disposal of pet waste.

6. Monitoring or Assessment of Progress

The permittee shall develop a Monitoring/Assessment Plan to monitor or assess progress in achieving benchmarks and determine the effectiveness of BMPs, and shall include documentation of this monitoring or assessment in the SWMP and annual reports. In addition, the SWMP must include methods to be used.

- (a) The permittee may use either of the following methods to evaluate progress towards the benchmark and improvements in water quality in achieving the water quality standards as follows:

(1) Evaluating Program Implementation Measures

The permittee may evaluate and report progress towards the benchmark by describing the activities and BMPs implemented, by identifying the appropriateness of the identified BMPs, and by evaluating the success of implementing the measurable goals.

The permittee may assess progress by using program implementation indicators such as: (1) number of sources identified or eliminated; (2) decrease in the number of illegal dumpings; (3) increase in illegal dumping reporting; (4) number of educational opportunities conducted; (5) reductions in sanitary sewer overflows (SSOs); or (6) increase in illegal discharge detection through dry screening, etc.

(2) Assessing Improvements in Water Quality

The permittee may assess improvements in water quality by using available data for segment and assessment units of water bodies from other reliable sources, or by proposing and justifying a different approach such as collecting additional instream or outfall monitoring data, etc. Data may be acquired from TCEQ, local river authorities, partnerships, or other local efforts as appropriate.

- (b) Progress towards achieving the benchmark shall be reported in the annual report. Annual reports shall report the benchmark and the year(s) during the permit term that the MS4 conducted additional sampling or other assessment activities.

7. Observing No Progress Towards the Benchmark

If, by the end of the third year from the effective date of the permit, the permittee observes no progress toward the benchmark either from SWMP implementation or water quality assessments as described in Part III.A.6, the permittee shall identify alternative focused BMPs that address new or increased efforts towards the benchmark or, as appropriate, shall develop a new approach to identify the most significant sources of the POCs and shall develop alternative focused BMPs for those sources (this may also include information that identifies issues beyond the MS4's control). These revised BMPs must be included in the SWMP and subsequent annual reports.

Where the permittee originally used a benchmark value based on an aggregated WLA, the permittee may combine or share efforts with other MS4s discharging to the same watershed to determine an alternative sub-benchmark value for the POCs for their respective small MS4s, as described in Part III.A.3(b) above. Permittees must document, in their SWMP for the next permit term, the proposed schedule for the development and subsequent adoption of alternative sub-benchmark value(s) for the POCs for their respective MS4s and associated assessment of progress in meeting those individual benchmarks.

Section B. Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL

The permittee shall also determine whether the permitted discharge is directly to one or more water quality impaired water bodies where a TMDL has not yet been approved by TCEQ and EPA. If the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities:

1. Discharging a Pollutant of Concern

- (a) The permittee shall determine whether the small MS4 may be a source of the POCs by referring to the CWA § 303(d) List and then determining if discharges from the MS4 would be likely to contain the POCs at levels of concern.
- (b) If the permittee determines that the small MS4 may discharge the POCs, the permittee shall ensure that the SWMP includes focused BMPs, along with corresponding measurable goals, that the permittee will implement, to reduce, the discharge of POCs that contribute to the impairment of the water body.
- (c) In addition, the permittee shall submit an NOC to amend the SWMP in accordance with Part II.F.6 to include any additional BMPs to address the POCs. This requirement does not apply to BMPs implemented to address impaired waters that are listed after a small MS4's permit authorization pursuant to Part III.

2. Impairment for Bacteria

Where the impairment is for bacteria, the permittee shall identify potential significant sources and develop and implement focused BMPs for those sources. The permittee must implement the BMPs listed in Part III.A.5 and Table 1 for the identified sources.

3. Annual Report

The annual report must include information on compliance with the Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL section, including results of any sampling conducted by the permittee.

Part IV. Stormwater Management Program (SWMP)

To the extent allowable under state and local law, a SWMP must be developed, implemented, and enforced according to the requirements of Part II.F.5 and Part IV of this general permit for stormwater discharges that reach Waters of the U.S., regardless of whether the discharge is conveyed through a separately operated storm sewer system. The SWMP must be developed, implemented, and enforced to reduce the discharge of pollutants from the small MS4 to the MEP, to protect water quality, and to satisfy the appropriate water quality requirements of the CWA and the TWC.

A permittee that implements activities/BMPs and measurable goals consistent with the provisions of this general permit fulfills the requirements to reduce pollutants to the MEP and will be deemed in compliance with Part IV of this permit. This general permit does not extend any compliance deadlines set forth under the 2019 TPDES Small MS4 General Permit TXRo40000.

Section A. SWMP Review

The permittee shall participate in an annual review of its SWMP in conjunction with preparation of the annual report required in Part V.B.2. Results and date(s) of the review shall be documented in the annual report.

Section B. SWMP Updates Required by TCEQ

Changes may be made to the SWMP during the permit term. The TCEQ may notify the permittee of the need to modify the SWMP to be consistent with the general permit, in which

case the permittee will have 90 days to finalize such changes to the SWMP, unless otherwise directed by TCEQ.

Section C. Developing a Stormwater Management Program (SWMP)

1. SWMP Development and Schedule

(a) Existing Regulated Small MS4s

Permittees who were regulated under the 2019 TPDES Small MS4 General Permit TXR040000, shall develop and update the SWMP under this general permit prior to submittal of the NOI for coverage.

Existing small MS4 operators shall ensure full implementation of any new elements in the revised SWMP as soon as practicable, but no later than five years from the permit effective date. Permittees authorized under any previous TPDES Small MS4 General Permit TXR040000 shall continue to implement existing elements in their latest TCEQ approved SWMP until the renewal NOI has been approved.

(b) Designated and Newly Regulated Small MS4s

Small MS4 operators that operate either:

- a designated small MS4 as per Part II.A.2, or
- a newly regulated small MS4 under this general permit,

must develop a SWMP under this general permit prior to submittal of the NOI for coverage and achieve full implementation of the SWMP as soon as practicable, but no later than five years from designation or obtaining ownership or operational control of a newly regulated small MS4, as applicable.

(c) Transfer of Ownership, Operational Authority, or Responsibility

The permittee that has been transferred ownership, operational authority, or responsibility of an MS4 area located in an urban area with a population of at least 50,000 people or designated by TCEQ shall implement the SWMP:

- (1) on all new areas added to its portion of the small MS4 (or where the permittee becomes responsible for implementation of stormwater quality controls) as expeditiously as possible, but no later than three years from addition of the new area. Implementation may be accomplished in a phased manner to allow additional time for controls that cannot be implemented immediately; and
- (2) within ninety (90) days of a transfer of ownership, operational authority, or responsibility for SWMP implementation, the permittee shall have a plan for implementing the SWMP in all affected areas. The plan must include schedules for implementation, and information on all new annexed areas. Any resulting updates required to the SWMP shall be submitted in the annual report.

2. Contents of the SWMP

At a minimum, the permittee shall include the following information in its SWMP:

- (a) A description of MCMs with measurable goals, including, as appropriate, the months and years when the permittee will undertake required actions, including interim milestones and the frequency of the action for each required MCM and if selected, the optional 8th MCM described in Part IV.D;

- (b) A measurable goal that includes the development of ordinances or other regulatory mechanisms allowed by state, federal and local law, providing the legal authority necessary to implement and enforce the requirements of this permit, including information on any limitations to the legal authority;
- (c) The measurable goals selected by the permittee must be clear, specific, and measurable (40 CFR §122.34);
- (d) A summary of written procedures (e.g., periodic review of ordinances or other enforcement mechanisms, tracking of SWMP implementation by relevant departments, etc.) describing how the permittee will implement the provisions in Parts III and IV of this general permit;
- (e) A description of a program or a plan of compliance with the impaired water bodies and TMDL requirements in Part III; and
- (f) Identification of any impaired waters that have been added in accordance with Part III.

3. Legal Authority

- (a) Traditional small MS4s, such as cities:
 - (1) Within two years from the permit effective date, the permittee shall review and revise, if needed, its relevant ordinance(s) or other regulatory mechanism(s), or shall adopt a new ordinance(s) or other regulatory mechanism(s) that provide the permittee with adequate legal authority to control pollutant discharges into and from its small MS4 in order to meet the requirements of this general permit.
 - (2) To be considered adequate, this legal authority must, at a minimum, address the following:
 - a. Authority to prohibit illicit discharges and illicit connections;
 - b. Authority to respond to and contain other releases e.g., control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4);
 - c. Authority to require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;
 - d. Authority to require installation, implementation, and maintenance of control measures;
 - e. Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;
 - f. Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;
 - g. Authority to respond to non-compliance with BMPs required by the small MS4;
 - h. Authority to assess penalties, including monetary, civil, or criminal penalties; and
 - i. Authority to enter into interagency or interlocal agreements or other maintenance agreements, as necessary.

- (b) Non-traditional small MS4s, such as counties, drainage districts, transportation entities, municipal utility districts, military bases, prisons, and universities:
- (1) Where the permittee lacks the authority to develop ordinances or to implement enforcement actions, the permittee shall exert enforcement authority as required by this general permit for its facilities, employees, contractors, and any other entity over which it has operational control within the portion of the urban area with a population of at least 50,000 people under the jurisdiction of the permittee. For discharges from third party actions, the permittee shall perform inspections and exert enforcement authority to the MEP.
 - (2) If the permittee does not have inspection or enforcement authority and is unable to meet the goals of this general permit through its own powers, then, unless otherwise stated in this general permit, the permittee shall perform the following actions in order to meet the goals of the permit:
 - a. Enter into interlocal agreements with municipalities where the small MS4 is located. These interlocal agreements must state the extent to which the municipality will be responsible for inspections and enforcement authority in order to meet the conditions of this general permit; or
 - b. If it is not feasible for the permittee to enter into interlocal agreements, the permittee shall report discharges or incidents that it cannot itself enforce against to an adjacent MS4 operator with enforcement authority or the appropriate TCEQ Regional Office. In determining feasibility for entering into interlocal agreements, the permittee shall consider all factors, including, without limitations, financial considerations and the willingness of the municipalities in which the small MS4 is located.

4. Resources

It is the permittee's responsibility to ensure that it has adequate resources and funding to implement the requirements of this general permit.

5. Effluent Limitations

The controls and activities/BMPs included in the SWMP constitute effluent limitations for the purposes of compliance with state rules. This includes the requirements of 30 TAC Chapter 319, Subchapter B (Hazardous Metals), which lists the maximum allowable concentrations of hazardous metals for discharge to water in the state.

6. Enforcement Measures

Permittees with enforcement authority (i.e., traditional small MS4s) shall develop a standard operating procedure (SOP) to respond to violations to the extent allowable under state and local law. When the permittee does not have enforcement authority over the violator, and the violations continue after violator has been notified by the permittee, or the source of the illicit discharge is outside the small MS4's boundary, the permittee shall notify either the adjacent MS4 operator with enforcement authority or the appropriate TCEQ Regional Office.

7. General Requirements

Permittees shall provide information in the SWMP documenting the development and implementation of the small MS4 program. At a minimum, the documentation must include:

- (a) A list of all small MS4 operators contributing to the development and implementation of the SWMP, including a clear description of the role and responsibilities of each small MS4 operator, if applicable;
- (b) A list of any public or private entities assisting with the development or implementation of the SWMP, including a clear description of the relationship, role, and responsibilities of each entity, if applicable;
- (c) A list of all activities/BMPs and measurable goals for each of the MCMs;
- (d) A schedule for the implementation of all SWMP requirements. The schedule must include, as appropriate, the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action throughout the permit term;
- (e) A description of how each measurable goal will be evaluated; and
- (f) A rationale statement that addresses the overall program, including an overall statement describing how the activities/BMPs and measurable goals were selected.

Section D. Minimum Control Measures (MCMs)

Operators of small MS4s seeking coverage under this general permit shall develop, implement, and maintain a SWMP that includes the following eight MCMs, as applicable.

- MCMs 1-6 apply to all small MS4s regardless of their level as described in Part II.B.
- MCM 7 only applies to Level 4 small MS4s.
- MCM 8 is optional.
- Specific program elements under each MCM shall be implemented by all MS4 operators, unless otherwise noted as applicable for certain levels of small MS4s.

Existing permittees shall assess program elements that were described in their previous TCEQ approved SWMP. Permittees must modify their SWMP as necessary to develop and implement new elements or revise existing BMPs to comply with the requirements in this general permit and continue reducing the discharge of pollutants from the small MS4 to the MEP.

Permittees shall provide justification within the SWMP for any requirements that were not implemented because they were not applicable as described in each MCM. For example, where a small MS4 operator does not have OSSFs in their MS4 area, the requirement to inspect these facilities is not applicable to that small MS4 operator.

1. Public Education and Outreach

- (a) The small MS4 operator shall implement a public education and outreach program to distribute educational materials to the community and conduct equivalent outreach about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.
 - (1) The public education and outreach program shall at a minimum include the following target audiences, as applicable:
 - a. *Traditional MS4s* and counties shall address the residents being served;
 - b. *Non-traditional MS4s* (other than counties) shall address the community served by the MS4 as listed below:
 - (i) Universities shall target the faculty, other staff, and students;

- (ii) Military bases shall target military personnel (and dependents), and employees (including contractors);
 - (iii) Prison complexes or other multi-building complexes shall target staff and contractors;
 - (iv) Municipal Utility Districts and other special districts shall target residents served, staff, and contractors; and
 - (v) Transportation authorities shall address staff, contractors, and users.
- c. Small MS4 operators shall address additional target audiences within the small MS4 service area (such as but not limited to, those listed in Table 2) as listed below:
- (i) Levels 1, 2a, and 2b: No requirement for additional audiences;
 - (ii) Level 3: A minimum of one additional audience; or
 - (iii) Level 4: A minimum of two additional audiences.

Table 2: Additional Target Audiences

Additional Target Audiences
Schools, educational organizations, or youth service and youth groups
Businesses, including commercial facilities, home-base and mobile businesses
Institutions or formal organizations such as churches, hospitals, and service organizations
Developers or construction site operators
Homeowner or neighborhood associations
Industrial facilities
Visitors/tourists

- (2) Small MS4 operators shall target specific pollutant(s) in the permittee’s education program (such as, but not limited to, those listed in Table 3). Each small MS4 shall have a minimum of one target pollutant for each target audience from Part IV.D.1(a)(1).a-c of this permit. Small MS4s may implement more than one target pollutant where desired or appropriate to address pollutants in stormwater discharges to the MEP. The target pollutant must be appropriate for the target audience. The same pollutant may be used for more than one target audience and the target pollutant(s) may change annually as needed.

Table 3: Pollutants and Sources

Pollutants and Sources
Grass clippings and leaf litter
Fertilizer and pesticides
Litter, trash containment, balloon releases

Pollutants and Sources
Dumping of solid waste
Illegal disposal of household hazardous waste
Pet waste
Failing septic systems
Swimming pool discharge, including saltwater pools
De-icing/rock salt usage/ storage
Oil, grease, fluids from vehicles
Sediment runoff from construction activities
Unauthorized discharge of restaurant waste
Vehicle washing
Washwater/grey water

- (3) Small MS4 operators must use appropriate educational resources as BMPs (materials, events, activities, etc.) in conjunction with the selected pollutants for the selected audiences. The message delivered by these BMPs must be applicable to the target audience and relate to the target pollutant (such as a newsletter article about updated illegal dumping and discharge ordinances distributed to auto mechanic businesses or a hazardous household waste disposal flyer when applying for trash or recycling services). BMPs which are ongoing throughout the year or permit term may be counted as one annual BMP. Permittees shall explain how each BMP relates to the target pollutant and target audience. Small MS4 operators may change BMPs during the permit cycle if determined appropriate through annual reviews and a different BMP may be more effective for the small MS4's target pollutant or target audience. Any changes shall be reflected in the SWMP and explained in the annual report.
- a. If the permittee has a public website, the permittee shall post its SWMP and the annual reports required under Part V.B.2 or a summary of the annual report on the permittee's website.
 - (i) The SWMP must be posted no later than 30 days after the NOI or NOC approval date; and
 - (ii) The annual report no later than 30 days after the due date.
 - b. Over the permit term, small MS4 operators shall implement a minimum number of public education and outreach BMPs from Table 4, as follows:
 - (i) Level 1: three BMPs;
 - (ii) Levels 2a and 2b: four BMPs; or
 - (iii) Levels 3 and 4: five BMPs.

Table 4: Required Public Education and Outreach BMPs

Activity/BMP	Measurable Goals
Information on the MS4 operator's website.	Maintain a webpage with current and accurate information and working links. <ul style="list-style-type: none"> • All links shall be checked, and the page shall be updated as necessary at a minimum of once annually. • Must be maintained for the full year, each year.
Social media posts, social media campaign.	Post a minimum of four times each year on a minimum of one social media platform. <ul style="list-style-type: none"> • The message shall address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. • The messages shall be seasonally appropriate. • Must make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year, each year.
Maintain or mark storm drains and inlets with, "No Dumping – Drains to Creek" or a similar message.	Placard, stencil, or paint a minimum of 10% of all known stormwater inlets in either high-impact areas identified by the small MS4 operator or impairment watersheds within the MS4 area each year. Where all known stormwater inlets have been marked, inspect, and maintain the markers for a minimum of 15% of all known stormwater inlets in either high-impact areas identified by the small MS4 operator or impairment watersheds within the MS4 area each year.
Media/advertising campaign/public service announcements in areas of high visibility: Billboard/poster; Bus shelter/bench; radio/television/movie theatre; and kiosks.	Develop topics that address activities or pollutants of concern. Advertisement must be active for a minimum of three weeks each year; or must have an estimated public exposure for the duration of the advertising campaign that is equal to twice the population for the small MS4 area (based on the most recent U.S. Census Bureau decennial population value for the small MS4 area).
Publish articles in local newspaper or newsletter, may be electronic.	Develop article topics that are group specific and address activities or pollutants of concern at a seasonally appropriate time. A minimum of two articles must be published or emailed to target audience groups each year.

Activity/BMP	Measurable Goals
Fact sheets/brochures/utility bill inserts/door hangers.	<p>Develop material topics that are group specific and address activities or pollutants of concern.</p> <p>Fact sheets, brochures, bill inserts, door hangers, or handouts shall be distributed each year for at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.</p>
Permanent stormwater related signage.	<p>Place signage in a location where the message is relevant, and highly visible to target audience.</p> <p>Signage will count as an annual BMP for the year it was put in place and for each subsequent year of this permit cycle as long as each of those years, the permittee inspects and maintains, as necessary, 100% of the signage once annually.</p>
Promote, host, or develop educational meetings, seminar, or trainings.	<p>Hold, host, or promote a minimum of one event for level 1 and 2 MS4s or two events for level 3 and 4 MS4s annually.</p> <ul style="list-style-type: none"> • The events shall address ways attendees can minimize or avoid adverse impacts to stormwater or practices to improve the quality of stormwater runoff. • These events may address different pollutants and audiences.
Targeted education campaign via mail, email, or in person.	<p>Minimum of one campaign annually distributed to at least 75% of the intended audience, or with a specific event advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.</p> <p>(Examples: Sediment control with small building permit; leaf litter email during street sweeping season, or education brochure to all businesses conducting certain activity)</p>

- c. Small MS4 operators shall create/host or support the public education and outreach BMP(s) in Part IV.D.1.(a)(3) and Table 4. To be considered support given to the coordinating groups, the small MS4 operator shall at minimum conduct at least one of the following or similar:
- (i) Plan, or assist with planning, the distribution of materials;
 - (ii) Coordinate volunteers;
 - (iii) Contribute supplies, materials, tools, or equipment;
 - (iv) Provide assistance from MS4 staff to distribute the materials; or
 - (v) Provide financial support.

- d. Small MS4 operators may partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.

2. Public Involvement/Participation

All permittees, except prisons/correctional facilities, shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP. The small MS4 operator must create opportunities, or support activities that are coordinated by citizen groups, for residents and others to become involved with the SWMP. The activities/BMPs must demonstrate an impact on stormwater runoff by improving water quality.

- (a) Over the permit term, small MS4 operators shall implement a minimum number of public involvement/participation activities and measurable goals from Table 5 as follows:
- (1) Level 1 small MS4: two BMPs;
 - (2) Levels 2a and 2b small MS4: three BMPs; or
 - (3) Levels 3 and 4 small MS4: four BMPs.

Table 5: Public Involvement/Participation BMPs

Activity/BMP	Measurable Goals
Stream/lake or watershed clean-up events; litter/trash clean-up events such as Adopt-A-Highway, Adopt-A-Spot, Adopt-A-Street, Adopt-A-Stream, etc.	<p>Host or support at a minimum one event for level 1 and 2 MS4s or two events for level 3 and 4 MS4s annually.</p> <ul style="list-style-type: none"> • To be considered an event, the land area cleaned must be a minimum of: <ul style="list-style-type: none"> ○ two acres, ○ 400 yards of stream/streambank/riparian area, or ○ two miles of roadside • These may be combined (such as one acre of land and 200 yards of stream).
Habitat improvement; Tree planting; Invasive Vegetation removal; Stream restoration.	<p>Host or support at a minimum one event for level 1 and 2 MS4s or two events for level 3 and 4 MS4s annually.</p> <ul style="list-style-type: none"> • To be considered an event, the project must be a minimum of 0.5 acres or 25 yards. • An event may take place in streams, parks, areas adjacent to public waterways, or other green space. • An event may be a combination of locations and areas.
Volunteer water quality monitoring such as Texas Stream Team.	<p>Host or support a minimum one event annually.</p> <p>To be considered an event, the monitoring must be conducted at minimum once each year.</p>

Activity/BMP	Measurable Goals
Stormwater related speaker series.	Provide or support a minimum of one session for level 1 and 2 MS4s or two sessions for level 3 and 4 MS4s each year. These may be different speakers or audiences.
MS4 area-wide stormwater survey for input on program implementation.	Provide or support a minimum of one public survey annually for input on the program implementation to be distributed to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.
Hold events to train residents, or work a project for homeowner associations (HOAs), or other public groups to cover stormwater topics such as: Building rain barrels; Fertilizer application training; Rain garden/bio retention creation or maintenance; How to recognize illicit discharge activities and communicate observations to appropriate MS4 staff.	Provide or support at minimum one project or training annually.
Educational display/booth at a school, public event, or similar event to provide information or displays that work to improve public understanding of issues related to water quality.	Provide or support one booth or display at minimum annually. The booth or display must be staffed during the time which the event is open to the public.
Public meeting for input on the program implementation such as a city council meeting, board meeting, or stakeholder meeting.	Host or support a minimum of one meeting annually for input on the program implementation to be advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.

- (b) Small MS4 operators shall create/host or support the public involvement/participation BMP(s) in Part IV.D.2.(a) and Table 5. To be considered support given to the coordinating groups the small MS4 operator shall at minimum conduct at least one of the following or similar:
- (1) Plan, or assist with planning, the event or activity;
 - (2) Contribute supplies, materials, tools, or equipment;
 - (3) Provide assistance from MS4 staff during the activity;

- (4) Provide assistance with recruiting volunteers for events;
 - (5) Make a space available for projects, meetings, or events;
 - (6) Advertisement for the events;
 - (7) Supply disposal services;
 - (8) Arrange land or stream access;
 - (9) Provide financial support; or
 - (10) Provide donations of goods and services such as food.
- (c) Small MS4 operators may partner with other MS4 operators to maximize the program and cost effectiveness of the required public involvement/participation activities.

3. Illicit Discharge Detection and Elimination (IDDE)

(a) Program Development

- (1) All permittees shall develop, implement, and enforce a program to investigate, detect, and eliminate illicit discharges into the small MS4. The program must include a plan to detect and address non-stormwater discharges, including illegal dumping to the small MS4.

The Illicit Discharge Detection and Elimination (IDDE) program must include the following:

- a. A current and accurate MS4 map (see Part IV.D.3.(c)(1));
- b. Methods for informing and training MS4 field staff (see Part IV.D.3.(c)(2));
- c. Methods for facilitating public reporting of illicit discharges and illegal dumping (see Part IV.D.3.(c)(3));
- d. Procedures for responding to illicit discharge, illegal dumping, and spills (see Part IV.D.3.(c)(4));
- e. Procedures for tracing the source of an illicit discharge and illegal dumping (see Part IV. D.3.(c)(5));
- f. Procedures for removing the source of the illicit discharge and illegal dumping (see Part IV.D.3.(c)(5));
- g. Conduct inspections in response to complaints including follow-up inspections, and procedures for inspections (see Part IV.D.3.(c)(6));
- h. For Levels 2, 3 and 4, if applicable, procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4;
- i. For Level 4, procedures for identifying priority areas within the small MS4 likely to have illicit discharges and illegal dumping, and a list of all such areas identified in the small MS4 (see Part IV.D.3.(e)(1));
- j. For Level 4, dry weather field screening to detect illicit discharges and illegal dumping (see Part IV.D.3.(e)(2)); and
- k. For Level 4, procedures to reduce the discharge of floatables in the small MS4 (see Part IV.D.3.(e)(3)).

- (2) For non-traditional small MS4s, if illicit connections, illegal dumping, or illicit discharges are observed related to another operator's MS4, the permittee shall notify the other MS4 operator within 48 hours of discovery. If notification to the other MS4 operator is not practicable, then the permittee shall notify the appropriate TCEQ Regional Office of the possible illicit connection, illegal dumping, or illicit discharge.
 - (3) If another MS4 operator notifies the permittee of an illegal connection, illegal dumping, or illicit discharge to the small MS4, then the permittee shall follow the requirements specified in Part IV.D.3.(c)(5).
- (b) Allowable Non-Stormwater Discharges

Non-stormwater discharges listed in Part II.D do not need to be considered by the permittee as an illicit discharge requiring elimination unless the permittee or the TCEQ identifies the discharge as a significant source of pollutants to the small MS4.

(c) Requirements for All Permittees

All permittees shall meet all the following requirements, including Table 6.

(1) MS4 Mapping

All permittees shall maintain a current and accurate MS4 map, which must be located on site and available for review by TCEQ. The MS4 map must show at a minimum the following information:

- a. The location of all small MS4 outfalls that are operated by the permittee and that discharge into Waters of the U.S.;
- b. The location and name of all surface waters receiving discharges from the small MS4 outfalls; and
- c. Priority areas identified under Part IV.D.3.(e)(1), if applicable.

(2) Education and Training

All permittees shall implement a method for informing or training all the permittee's field staff that may come into contact with or otherwise observe an illicit discharge, illegal dumping, or illicit connection to the small MS4 as part of their normal job responsibilities. Training program materials and attendance lists must be maintained onsite and made available for review by the TCEQ.

(3) Public Reporting of Illicit Discharges and Spills

All permittees shall publicize and facilitate public reporting of illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4. The permittee shall provide a central contact point to receive reports; for example, by including a telephone number for complaints and spill reporting.

(4) All permittees shall develop and maintain onsite procedures for responding to illicit discharges, illegal dumping, and spills.

(5) Source Investigation and Elimination

- a. Minimum Investigation Requirements – Upon becoming aware of an illicit discharge or illegal dumping, all permittees shall conduct an investigation to identify and locate the source of such illicit discharge or illegal dumping as soon as practicable.

- (i) All permittees shall prioritize the investigation of discharges based on their relative risk of pollution. For example, sanitary sewage may be considered a high priority discharge.
 - (ii) All permittees shall report to the TCEQ immediately upon becoming aware of the occurrence of any illicit flows believed to be an immediate threat to human health or the environment.
 - (iii) All permittees shall track all investigations and document, at a minimum, the date(s) the illicit discharge or illegal dumping was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.
- b. Identification and Investigation of the Source of the Illicit Discharge –All permittees shall investigate and document the source of illicit discharges and illegal dumping where the permittees have jurisdiction to complete such an investigation. If the source of illicit discharge or illegal dumping extends outside the permittee’s boundary, all permittees shall notify the adjacent permitted MS4 operator or the appropriate TCEQ Regional Office.
- c. Corrective Action to Eliminate Illicit Discharge
- If and when the source of the illicit discharge or illegal dumping has been determined, all permittees shall immediately notify the responsible party of the problem, and shall require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge and illegal dumping.
- (6) Inspections – The permittee shall conduct inspections, in response to complaints, and shall conduct follow-up inspections to ensure that corrective measures have been implemented by the responsible party.

The permittee shall develop written procedures describing the basis for conducting inspections in response to complaints and conducting follow-up inspections.

Table 6: Required IDDE BMPs

Activity/BMP	Measurable Goals
Maintain a current and accurate MS4 map as described in Part IV.D.3.(c)(1).	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.
Conduct training for all the permittee’s field staff as described in Part IV.D.3.(c)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	Conduct a minimum of one training annually for 100% of MS4 field staff that may come into contact with or otherwise observe an illicit discharge, illegal dumping, or illicit connection to the small MS4 as part of their normal job responsibilities.

Activity/BMP	Measurable Goals
Maintain and publicize a public reporting method for the public to report illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4 such as a reporting hotline, online form, or other similar mechanism as described in Part IV.D.3.(c)(3).	<p>Maintain a minimum of one public reporting mechanism 100% of the time during the permit term.</p> <p>Publicize the public reporting mechanism a minimum of two times annually in a method designed to reach the majority of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.</p> <p>In addition, if the MS4 operator has a public website, the public reporting mechanism must be publicized on the public website 100% of the time during the permit term.</p>
Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills as described in Part IV.D.3.(c)(4).	Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.
Source investigation and elimination of illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	<p>Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>Respond to 100% of high priority discharges each year, such as sanitary sewer discharges within 24 hours (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>For 100% of known illicit discharges or illegal dumping incidents where the small MS4 does not have jurisdiction, notify the adjacent MS4 operator or the applicable TCEQ regional office each year.</p> <p>Notify TCEQ immediately of 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.</p>
Corrective action to eliminate illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	<p>For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party of the problem within 24 hours.</p> <p>Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.</p>
Inspection Procedures as described in Part IV.D.3.(c)(6).	Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

Activity/BMP	Measurable Goals
Inspections in response to complaints as described in Part IV.D.3.(c)(6).	<p>Conduct inspections in response to 100% of complaints each year according to the established procedures (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>Conduct follow up inspections in 100% of cases each year where necessary as described in the established procedures (except for some Level 2b MS4s without the appropriate authority to act).</p>

(d) Additional Requirements for Levels 3 and 4 small MS4s

In addition to the requirements described in Parts IV.D.3.(c), permittees who operate Levels 3 or 4 small MS4s shall meet the following requirements, including those described in Table 7.

Source Investigation and Elimination

Permittees who operate Levels 3 or 4 small MS4s shall upon being notified that the discharge has been eliminated, conduct a follow-up investigation or field screening, consistent with Part IV.D.2.(e)(2), to verify that the discharge has been eliminated. Follow-up investigations shall be completed within five business days, on average. The permittee shall document its follow-up investigation. The permittee may seek recovery and remediation costs from responsible parties consistent with Part IV.C.3, and require compensation-related costs. Resulting enforcement actions must follow the procedures for enforcement action in Part IV.C.3 and 6. If the suspected source of the illicit discharge is authorized under an NPDES/TPDES permit or the discharge is listed as an authorized non-stormwater discharge, as described in Part II.D, no further action is required.

Table 7: Additional Required IDDE BMPs for Levels 3 and 4 small MS4s

Activity/BMP	Measurable Goals
Conduct follow-up investigations or field screenings when notified that a discharge has been eliminated.	<p>Conduct follow-up investigations or field screening in response to 100% of notifications each year.</p> <p>Complete the follow-up investigations within five business days, on average.</p>

(e) Additional Requirements for Level 4 Small MS4s

In addition to the requirements described in Parts IV.D.3.(c)-(d) above, permittees who operate Level 4 small MS4s shall meet the following requirements including Table 8:

(1) Identification of Priority Areas

Permittees who operate Level 4 small MS4s shall identify priority areas likely to have illicit discharges or illegal dumping, shall document the basis for the

selection of each priority area, and shall create a list of all priority areas identified. This priority area list must be available for review by the TCEQ.

(2) Dry Weather Field Screening

By the end of the permit term, permittees who operate Level 4 small MS4s shall develop and implement a written dry weather field screening program to assist in detecting and eliminating illicit discharges and illegal dumping to the small MS4. Dry weather field screening program must consist of (1) field observations; and (2) field screening as described below.

For dry weather field screening, at a minimum, the permittee shall:

- a. Conduct dry weather field screening in priority areas as identified by the permittee in Part IV.D.3.(e)(1). By the end of the permit term, all of those priority areas, although not necessarily all individual outfalls, must be screened.
- b. Field observation requirements – The permittee shall develop written procedures for observing flows from outfalls when there has been at least 72 hours of dry weather. The written procedures must include the basis used to determine which outfalls will be observed. The permittee shall record visual observations such as odor, color, clarity, floatables, deposits, or stains.
- c. Field screening requirements – The permittee shall develop written procedures to determine which dry weather flows will be screened, based on results of field observations or complaint from the public or the permittee's trained field staff. At a minimum, when visual observations indicate a potential problem such as discolored flows, foam, surface sheen, and other similar indicators of contamination, the permittee shall conduct a field screening analysis for selected indicator pollutants. The basis for selecting the indicator pollutants must be described in the written procedures. Screening methodology may be modified based on experience gained during the actual field screening activities. The permittee shall document the method used.

(3) Reduction of Floatables

The permittee shall implement a program to reduce the discharge of floatables (for example, litter and other human-generated solid refuse) in the small MS4. The permittee shall include source controls at a minimum and structural controls and other appropriate controls where necessary.

The permittee shall maintain two locations where floatable material can be removed before the stormwater is discharged to or from the small MS4. Floatable material shall be collected at the frequency necessary for maintenance of the removal devices, but not less than twice per year. The amount of material collected shall be estimated by weight, volume, or by other practical means. Results shall be included in the annual report.

Table 8: Additional Required IDDE BMPs for Level 4 small MS4s

Activity/BMP	Measurable Goals
Identification of priority areas as described in Part IV.D.3.(e)(1).	<p>Develop and maintain a list of 100% of the priority areas identified by the small MS4 operator each year. At a minimum, small MS4 operators must consider the following in developing the priority areas:</p> <ul style="list-style-type: none"> • Sanitary sewer lines • Industrial areas • Commercial areas • Areas with history of past illicit discharges or illegal dumping <p>Review and update the list at least one time annually to include new, removed, or changed areas based on the criteria established by the small MS4 for identifying priority areas.</p>
Dry weather field screening as described in Part IV.D.3.(e)(2).	<p>Develop and implement written procedures to determine which dry weather flows will be screened, based on results of field observations or complaint from the public or the permittee's trained field staff.</p> <p>Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.</p> <ul style="list-style-type: none"> • New Level 4 small MS4s shall develop the procedures within one year of obtaining their authorization under this general permit. <p>Develop and implement written procedures for observing flows from outfalls when there has been at least 72 hours of dry weather.</p> <p>Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.</p> <p>New Level 4 small MS4s shall develop the procedures within one year of obtaining their authorization under this general permit. Conduct dry weather field screening in 100% of the priority areas as identified by the permittee in Part IV.D.2.(e)(1) by the end of the permit term with interim milestones established for screening each year.</p>

Activity/BMP	Measurable Goals
<p>Floatable Reduction as described in Part IVI.D.3.(e)(3).</p>	<p>Develop and implement at least two source controls each year to address floatables such as, but not limited to, establishing and maintaining waste collection sites, clean-up events, and anti-littering campaigns.</p> <p>Develop and implement at least two structural controls each year such as, but not limited to, inlet protections, boom sites, hazardous materials traps, trash racks, outfall netting, and catch basins.</p> <p>Annually maintain at least two locations where floatable material can be removed before the stormwater is discharged to or from the small MS4. These locations may be the same as the areas where source controls and structural controls are implemented.</p> <p>Floatable material shall be collected at the frequency necessary for maintenance of the removal devices, but not less than two times per year.</p>

4. Construction Site Stormwater Runoff Control

(a) Requirements and Control Measures

All permittees shall develop, implement, and enforce a program requiring operators of small and large construction activities to select, install, implement, and maintain stormwater control measures that prevent illicit discharges to the MEP. The program must include the development and implementation of an ordinance or other regulatory mechanism, as well as sanctions to ensure compliance to the extent allowable under state, federal, and local law, to require erosion and sediment control.

If TCEQ waives requirements for stormwater discharges associated with small construction from a specific site(s), the permittee is not required to enforce the program to reduce pollutant discharges from such site(s).

(b) Requirements for All Permittees

All permittees shall meet the following requirements including Table 9.

(1) All permittees shall require that construction site operators implement appropriate erosion and sediment control BMPs. The permittee’s construction program must ensure erosion and sediment controls, soil stabilization, and BMP requirements are effectively implemented for all small and large construction activities discharging to its small MS4 consistent with the TPDES CGP, TXR150000.

(2) Prohibited Discharges - The following discharges are prohibited:

- a. Wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control;
- b. Wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials;

- c. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- d. Soaps or solvents used in vehicle and equipment washing; and
- e. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs.

(3) Construction Plan Review Procedures

To the extent allowable by state, federal, and local law, all permittees shall maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction. For those permittees without legal authority to enforce site plan reviews, this requirement is limited to those sites operated by the permittee and its contractors and located within the permittee's regulated area. The site plan procedures must meet the following minimum requirements:

- a. The site plan review procedures must incorporate consideration of potential water quality impacts.
- b. The permittee may not approve any plans unless the plans contain appropriate site-specific construction site control measures that, at a minimum, meet the requirements described in the TPDES CGP, TXR150000.

The permittee may require and accept a plan, such as a stormwater pollution prevention plan (SWP3), that has been developed pursuant to the TPDES CGP, TXR150000.

(4) Construction Site Inspections and Enforcement

To the extent allowable by state, federal, and local law, all permittees shall implement procedures for inspecting large and small construction projects. Permittees without legal authority to inspect construction sites shall at a minimum conduct inspection of sites operated by the permittee or its contractors and that are located in the permittee's regulated area.

- a. The permittee shall conduct inspections based on the evaluation of factors that are a threat to water quality, such as: soil erosion potential; site slope; project size and type; sensitivity of receiving water bodies; proximity to receiving water bodies; non-stormwater discharges; and past record of non-compliance by the operators of the construction site.
- b. Inspections must occur during the active construction phase.
 - (i) All permittees shall develop and implement updated written procedures outlining the inspection and enforcement requirements. These procedures must be maintained on-site or in the SWMP and be made available to TCEQ.
 - (ii) Inspections of construction sites must, at a minimum:
 - 1. Determine whether the site has appropriate coverage under the TPDES CGP, TXR150000. If no coverage exists, notify the permittee of the need for permit coverage;

2. Conduct a site inspection to determine if control measures have been selected, installed, implemented, and maintained according to the small MS4’s requirements;
 3. Assess compliance with the permittee’s ordinances and other regulations; and
 4. Provide a written or electronic inspection report.
- c. Based on site inspection findings, all permittees shall take all necessary follow-up actions (for example, follow-up-inspections or enforcement) to ensure compliance with permit requirements and the SWMP. These follow-up and enforcement actions must be tracked and documentation maintained for review by the TCEQ.

For non-traditional small MS4s with no enforcement powers, the permittee shall notify the adjacent MS4 operator with enforcement authority or the appropriate TCEQ Regional Office.

(5) Information Submitted By the Public

All permittees shall develop, implement, and maintain procedures for receipt and consideration of information submitted by the public.

(6) MS4 Staff Training

All permittees shall ensure that all staff whose primary job duties are related to implementing the construction stormwater program (including permitting, plan review, construction site inspections, and enforcement) are informed or trained to conduct these activities. The training may be conducted by the permittee or by outside trainers.

Table 9: Required Construction Site Stormwater Runoff Control BMPs

Activity/BMP	Measurable Goals
Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.4.(a).	Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
Prohibit discharges as described in Part IV.D.4.(b)(2).	Develop and maintain an ordinance or other regulatory mechanism to prohibit these discharges. Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
Maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction as described in Part IV.D.4.(b)(3).	Review and update site plan review procedures at least one time annually to address changes and make improvements to the established procedures where applicable. Implement site plan review procedures for 100% of new construction site plans received each year.

Activity/BMP	Measurable Goals
Implement procedures for inspecting large and small construction projects as described in Part IV.D.4.(b)(4).	Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable.
Conduct construction site inspections as described in Part IV.D.4.(b)(4).	<p>Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures (or some Level 2b small MS4s must notify the appropriate agency with the authority to act).</p> <p>Each year, conduct follow up inspections in 100% of cases where necessary as described in the established procedures (except for some Level 2b small MS4s without the appropriate authority to act).</p>
Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public as described in Part IV.D.4.(b)(5).	<p>Review and update procedures for the receipt and consideration of information submitted by the public at least one time annually to address changes and make improvements to the established procedures where applicable.</p> <p>Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.</p>
<p>Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater program as described in Part IV.D.4.(b)(6).</p> <p>Training may be conducted in person or using self-paced training materials such as videos or reading materials.</p>	Conduct a minimum of one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program.

(c) Additional Requirements for Levels 3 and 4 small MS4s

In addition to the requirements described in Parts IV.D.4.(b) above, permittees who operate Levels 3 or 4 small MS4s shall meet the following requirements including Table 10.

Construction Site Inventory

Permittees who operate Levels 3 or 4 small MS4s shall maintain an inventory of all TPDES permitted active public and private construction sites in the small MS4 area, that result in a total land disturbance of one or more acres or that result in a total land disturbance of less than one acre if part of a larger common plan or development or sale. Notification to the small MS4 must be made by submittal of a copy of an NOI or a

small construction site notice, as applicable. The permittee shall make this construction site inventory in the small MS4 area available to the TCEQ upon request for review.

Table 10: Additional Required Construction Site Stormwater Runoff Control BMPs for Levels 3 and 4 Small MS4s

Activity/BMP	Measurable Goals
Maintain a Construction Site inventory as described in Part IV.D.4.(c).	Maintain an annual inventory of 100% of TPDES permitted active public and private construction sites in the small MS4 area, that result in a total land disturbance of one or more acres or that result in a total land disturbance of less than one acre if part of a larger common plan or development or sale. <ul style="list-style-type: none"> • New Levels 3 or 4 small MS4s shall develop the inventory within one year of obtaining their authorization under this general permit.

5. Post Construction Stormwater Management in New Development and Redevelopment

(a) Post-Construction Stormwater Management Program

All permittees shall meet the requirements below including Table 11.

- (1) All permittees shall develop, implement, and enforce a program, to the extent allowable under state, federal, and local law, to control stormwater discharges from new development and redeveloped sites that discharge into the small MS4 that disturb one acre or more, including projects that disturb less than one acre that are part of a larger common plan of development or sale. The program must be established for private and public development sites. The program may utilize an offsite mitigation and payment in lieu of components to address this requirement.
- (2) All permittees shall use, to the extent allowable under state, federal, and local law and local development standards, an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects. The permittees shall establish, implement, and enforce a requirement that owners or operators of new development and redeveloped sites design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality. If the construction of permanent structures is not feasible due to space limitations, health and safety concerns, cost effectiveness, or highway construction codes, the permittee may propose an alternative approach to TCEQ.

(b) Requirements for All Permittees

All permittees shall meet all the following requirements including Table 11.

- (1) All permittees shall document and maintain records of enforcement actions and make them available for review by the TCEQ.

(2) Long-Term Maintenance of Post-Construction Stormwater Control Measures

All permittees shall, to the extent allowable under state, federal, and local law, ensure the long-term operation and maintenance of structural stormwater control measures installed through one or both of the following approaches:

- a. Maintenance performed by the permittee. (See Part IV.D.6)
- b. Maintenance performed by the owner or operator of a new development or redeveloped site under a maintenance plan. The maintenance plan must be filed in the real property records of the county in which the property is located. The permittee shall require the owner or operator of any new development or redeveloped site to develop and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site. The permittee shall require operation and maintenance performed is documented and retained on site, such as at the offices of the owner or operator, and made available for review by the small MS4.

Table 11: Required Post Construction Stormwater Management in New Development and Redevelopment BMPs

Activity/BMP	Measurable Goals
Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.5.(a)(2).	Review and update the ordinance or other regulatory mechanism at least one time during the permit term to address changes and make improvements to the ordinance where applicable.
Document and maintain records of enforcement actions and make them available for review by the TCEQ as described in Part IV.D.5.(b)(1).	Maintain records of 100% of enforcement actions taken each year. Make 100% of enforcement records available to TCEQ for review within 24 hours of request.
Ensure the long term operation and maintenance of structural stormwater control measures installed as described in Part IV.D.5.(b)(2).	Each year, implement a maintenance plan and schedule established by the small MS4 operator addressing 100% of stormwater control measures where the small MS4 operator is responsible for maintenance. Each year, require 100% of the owners or operators of any new development or redeveloped sites to develop and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site. Require the site owner or operators to maintain documentation, such as a tracking log, onsite of 100% of the maintenance performed and made available for review by the small MS4 operator or TCEQ within 24 hours of the request.

(c) Additional Requirements for Level 4 small MS4s

In addition to the requirements described in Parts IV.D.5.(b)(1)-(2), permittees who operate Level 4 small MS4s shall meet the following requirements including Table 12.

- (1) Inspections – Permittees who operate Level 4 small MS4s shall develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained as required consistent with its applicable maintenance plan. For small MS4s with limited enforcement authority, this requirement applies to the structural controls owned and operated by the small MS4 or its contractors that perform these activities within the small MS4’s regulated area.
- (2) Inspection Reports – The permittee shall document its inspection findings in an inspection report and make them available for review by the TCEQ.

Table 12: Additional Required Post Construction Stormwater Management in New Development and Redevelopment BMPs for Level 4 Small MS4s

Activity/BMP	Measurable Goals
Develop and implement an inspection program as described in Part IV.D.5.(c)(1).	<p>Develop and implement an inspection program to ensure that of post construction stormwater control measures in the small MS4 area are operating correctly and are being maintained as required consistent with its applicable maintenance plan each year. At a minimum, the small MS4 operator must inspect 20% of the post construction stormwater controls in the small MS4 area each year, or more if required by the MS4 maintenance plan.</p> <p>For small MS4s with limited enforcement authority, this requirement applies only to 100% of the structural controls owned and operated by the small MS4 or its contractors that perform these activities within the small MS4’s regulated area each year.</p> <p>New Level 4 small MS4s shall develop the inspection program within one year of obtaining their authorization under this general permit.</p>
Maintain Inspection Reports as described in Part IV.D.5.(c)(2).	<p>Document inspection findings in an inspection report for 100% of inspections performed each year.</p> <p>Make 100% of inspection reports available to TCEQ staff for review within 24 hours of request.</p>

6. Pollution Prevention and Good Housekeeping for Municipal Operations

(a) Program Development

All permittees shall develop and implement an operation and maintenance program (O&M), including an employee training component that has the ultimate goal of preventing or reducing pollutant runoff from municipal activities and municipally owned areas including but not limited to: park and open space maintenance; street, road, or highway maintenance; fleet and building maintenance; stormwater system

maintenance; new construction and land disturbances; municipal parking lots; vehicle and equipment maintenance and storage yards; waste transfer stations; and salt/sand storage locations.

(b) Requirements for All Permittees

All permittees shall meet the requirements described below including Table 13.

(1) Permittee-owned Facilities and Control Inventory

All permittees shall develop and maintain an inventory of facilities and stormwater controls that it owns and operates within the regulated area of the small MS4. The inventory must include all applicable permit numbers, registration numbers, and authorizations for each facility or controls. The inventory must be available for review by TCEQ and must include, but is not limited, to the following, as applicable:

- a. Composting facilities;
- b. Equipment storage and maintenance facilities;
- c. Fuel storage facilities;
- d. Hazardous waste disposal facilities;
- e. Hazardous waste handling and transfer facilities;
- f. Incinerators;
- g. Landfills;
- h. Materials storage yards;
- i. Pesticide storage facilities;
- j. Buildings, including schools, libraries, police stations, fire stations, and office buildings;
- k. Parking lots;
- l. Golf courses;
- m. Swimming pools;
- n. Public works yards;
- o. Recycling facilities;
- p. Salt storage facilities;
- q. Solid waste handling and transfer facilities;
- r. Street repair and maintenance sites;
- s. Vehicle storage and maintenance yards; and
- t. Structural stormwater controls.

(2) Training and Education

All permittees shall inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices. All permittees shall maintain a training attendance list for review by TCEQ when requested.

- (3) Disposal of Waste Material – Waste materials removed from the small MS4 must be disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable.
- (4) Contractor Requirements and Oversight
 - a. Any contractors hired by the permittee to perform maintenance activities on permittee-owned facilities must be contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures described in Parts IV.D.6.(b)(2)-(6).
 - b. All permittees shall provide oversight of contractor activities to ensure that contractors are using appropriate control measures and SOPs. Oversight procedures must be maintained on-site and made available for inspection by TCEQ.
- (5) Municipal Operation and Maintenance Activities
 - a. Assessment of permittee-owned operations

All permittees shall evaluate operation and maintenance (O&M) activities for their potential to discharge pollutants in stormwater, including but not limited to:

 - (i) Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving;
 - (ii) Bridge maintenance, including such areas as re-chipping, grinding, and saw cutting;
 - (iii) Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and
 - (iv) Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.
 - b. All permittees shall identify pollutants of concern that could be discharged from the above O&M activities (for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash).
 - c. All permittees shall develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the above activities. These pollution prevention measures must include at least two the following:
 - (i) Replacing materials and chemicals with more environmentally friendly materials or methods;
 - (ii) Tracking application of deicing and anti-icing compounds;
 - (iii) Using suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants generated by regular bridge maintenance; and
 - (iv) Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters.

- d. Inspection of pollution prevention measures - All pollution prevention measures implemented at permittee-owned facilities must be visually inspected to ensure they are working properly. The permittee shall develop written procedures that describes frequency of inspections occurring at least one time annually and how they will be conducted. A log of inspections must be maintained and made available for review by the TCEQ upon request.

(6) Structural Control Maintenance

If BMPs include structural controls, maintenance of the controls must be performed by the permittee and consistent with maintaining the effectiveness of the BMP. The permittee shall develop written procedures that define the frequency of inspections occurring at least one time annually and how they will be conducted.

Table 13: Required Pollution Prevention and Good Housekeeping for Municipal Operations BMPs

Activity/BMP	Measurable Goals
Permittee-owned Facilities and Control Inventory as described by Part IV.D.6.(b)(1).	Develop and maintain an annual inventory for 100% of the small MS4 owned and operated facilities and controls in the small MS4 area. Review and update the inventory at least one time annually to address changes or additions to the facilities and controls where applicable.
Training and Education as described in Part IV.D.6.(b)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices. For small MS4s which use only contractors to implement pollution prevention and good housekeeping practices, ensure training of 100% of applicable contract staff is conducted at least one time annually using contract language or another similar method.
Disposal of Waste Material as described in Part IV.D.6.(b)(3).	Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable each year.

Activity/BMP	Measurable Goals
Contractor Requirements and Oversight as described in Part IV.D.6.(b)(4).	<p>Each year, ensure that 100% of contractors hired by the MS4 to perform maintenance activities on permittee-owned facilities is contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures described in Parts IV D.6.(b)(2)-(6).</p> <p>Implement oversight procedures of contractor activities in 100% of contracts to ensure that contractors are using appropriate control measures and SOPs each year.</p> <p>Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.</p>
Assessment of permittee-owned operations as described in Part IV.D.6.(b)(5)a.	<p>Evaluate 100% of O&M activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater annually including but not limited to:</p> <ul style="list-style-type: none"> • Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving; • Bridge maintenance, including such areas as re-chipping, grinding, and saw cutting; • Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and • Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.
Identify pollutants of concern as described in Part IV.D.6.(b)(5)b.	<p>Identify pollutants of concern that could be discharged from all of the O&M activities described in Part IV.D.6.(b)(5)b and maintain a list of 100% of the pollutants identified.</p> <p>Including for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash.</p> <p>Review and update the pollutants of concern list at least one time annually to address changes or additions to the O&M activities where applicable.</p>

Activity/BMP	Measurable Goals
Pollution Prevention Measures as described in Part IV.D.6.(b)(5)c.	<p>Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations. Implement at least two of the following pollution prevention measures:</p> <ul style="list-style-type: none"> • Replace at least 50% of the MS4's materials and chemicals with more environmentally friendly materials or methods by the end of the permit term; • Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used for each application annually; • Use suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants during 80% of regular bridge maintenance each year; and • Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.
Inspection of Pollution Prevention Measures as described in Part IV.D.6.(b)(5)d.	<p>At least one time annually, visually inspect 100% of pollution prevention measures implemented at permittee-owned facilities to ensure they are working properly.</p> <p>Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted.</p> <p>Review and update the inspection procedures at least one time annually to address changes or additions to the pollution prevention measures.</p> <p>Maintain a log of 100% of the inspections conducted annually and make the log available for review by the TCEQ within 24 hours of a request.</p>
Structural Control Maintenance as described by Part IV.D.6.(b)(6).	<p>At least one time annually, perform maintenance of 100% of the structural controls which require maintenance. Maintenance must follow a plan and schedule developed by the small MS4 operator to be consistent with maintaining the effectiveness of the BMP.</p> <p>The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted.</p> <p>Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures.</p>

(c) Additional Requirements for Levels 3 and 4 small MS4s:

In addition to the requirements described in Part IV.D.6.(b) above, permittees who operate Levels 3 or 4 small MS4s shall meet the following requirements including Table 14.

(1) Storm Sewer System Operation and Maintenance

- a. Permittees who operate Levels 3 or 4 small MS4s shall develop and implement an O&M program to reduce to the MEP the collection of pollutants in catch basins and other surface drainage structures.
- b. Permittees who operate Levels 3 or 4 small MS4s shall develop a list of potential problem areas. The permittees shall identify and prioritize problem areas for increased inspection (for example, areas with recurrent illegal dumping).

(2) Operation and Maintenance Program to Reduce Discharges of Pollutants from Roads

Permittees who operate Levels 3 or 4 small MS4s shall implement an O&M program that includes at least one of the following: a street sweeping and cleaning program, or an equivalent BMP such as an inlet protection program, which must include an implementation schedule and a waste disposal procedure. The basis for the decision must be included in the SWMP. If a street sweeping and cleaning program is implemented, the permittee shall evaluate the following permittee-owned and operated areas for the program: streets, road segments, and public parking lots including, but not limited to, high traffic zones, commercial and industrial districts, sport and event venues, and plazas, as well as areas that consistently accumulate high volumes of trash, debris, and other stormwater pollutants.

- a. Implementation schedules – If a sweeping program is implemented, the permittee shall sweep the areas in the program (for example, the streets, roads, and public parking lots) in accordance with a frequency and schedule determined in the permittee’s O&M program to address at a minimum 75% of the areas in the program annually.
- b. For areas where street sweeping is technically infeasible (for example, streets without curbs), the permittee shall focus implementation of other trash and litter control procedures, or provide inlet protection measures to minimize pollutant discharges to storm drains and creeks.
- c. Sweeper Waste Material Disposal – If utilizing street sweepers, the permittee shall develop a procedure to dewater and dispose of street sweeper waste material and shall ensure that water and material will not reenter the small MS4.

(3) Mapping of Facilities

Permittees who operate Levels 3 or 4 small MS4s shall, on a map of the area regulated under this general permit, identify where the permittee-owned and operated facilities and stormwater controls are located.

(4) Facility Assessment

Permittees who operate Levels 3 or 4 small MS4s shall perform the following facility assessment in the regulated portion of the small MS4 operated by the permittee:

- a. Assessment of Facilities' Pollutant Discharge Potential – The permittee shall review the facilities identified in Part IV.D.6.(b)(1) once per permit term for their potential to discharge pollutants into stormwater.
- b. Identification of *high priority* facilities – Based on the assessment above, the permittee shall identify as *high priority* those facilities that have a high potential to generate stormwater pollutants and shall develop and maintain a list of these facilities. Among the factors that must be considered in giving a facility a high priority ranking are the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must not be performed outside (for example, changing automotive fluids, vehicle washing), proximity to water bodies, proximity to sensitive aquifer recharge features, poor housekeeping practices, and discharge of POCs to impaired water(s). High priority facilities must include, at a minimum, the permittee's maintenance yards, hazardous waste facilities, fuel storage locations, and any other facilities at which chemicals or other materials have a high potential to be discharged in stormwater.
- c. Documentation of Assessment Results – The permittee shall document the results of the assessments and maintain copies of all site evaluation checklists used to conduct the assessments. The documentation must include the results of the permittee's initial assessment, and any identified deficiencies and corrective actions taken.

(5) Development of Facility-Specific Procedures

Permittees who operate Levels 3 or 4 small MS4s shall develop facility-specific stormwater management SOPs. The permittee may utilize existing plans or documents that may contain the following required information:

- a. For each high priority facility identified in Part IV.D.6.(c)(4)b, the permittee shall develop a SOP that identifies BMPs to be installed, implemented, and maintained to minimize the discharge of pollutants in stormwater from each facility.
- b. A hard or electronic copy of the facility-specific stormwater management SOP (or equivalent existing plan or document) must be maintained and be available for review by the TCEQ. The SOP must be kept onsite when possible and must be kept up-to-date.

(6) Stormwater Controls for High Priority Facilities

Permittees who operate Levels 3 or 4 small MS4s shall implement the following stormwater controls at all high priority facilities identified in Part IV.D.6.(c)(4)b. A description of BMPs developed to comply with this requirement must be included in each facility specific SOP:

- a. General good housekeeping – Material with a potential to contribute to stormwater pollution must be sheltered from exposure to stormwater.
- b. De-icing and anti-icing material storage – The permittee shall ensure, to the MEP, that stormwater runoff from storage piles of salt and other de-icing

and anti-icing materials is not discharged; or shall ensure that any discharges from the piles are authorized under a separate discharge permit.

- c. Fueling operations and vehicle maintenance – The permittee shall develop SOPs (or equivalent existing plans or documents) that address spill prevention and spill control at permittee-owned and operated vehicle fueling, vehicle maintenance, and bulk fuel delivery facilities.
- d. Equipment and vehicle washing – The permittee shall develop SOPs that address equipment and vehicle washing activities at permittee-owned and operated facilities. The discharge of equipment and vehicle wash water to the small MS4 or directly to receiving waters from permittee-owned facilities is not authorized under this general permit. To ensure that wastewater is not discharged under this general permit, the permittee’s SOP may include installing a vehicle wash reclaim system, capturing and hauling the wastewater for proper disposal, connecting to sanitary sewer (where applicable and approved by local authorities), ceasing the washing activity, or applying for and obtaining a separate TPDES permit.

(7) Inspections

Permittees who operate Levels 3 or 4 small MS4s shall develop and implement an inspection program, which at a minimum must include periodic inspections of high priority permittee-owned facilities. The results of the inspections and observations must be documented and available for review by the TCEQ.

Table 14: Additional Required Pollution Prevention and Good Housekeeping for Municipal Operations BMPs for Levels 3 and 4 Small MS4s:

Activity/BMP	Measurable Goals
Storm Sewer System Operation and Maintenance Program as described by Part IV.D.6.(c)(1)a.	<p>Develop and implement an O&M program to reduce to the MEP the collection of pollutants in catch basins and other surface drainage structures each year. Implement at least two of the following:</p> <ul style="list-style-type: none"> • Inspect at least 25% of the small MS4 owned and operated detention basins each year. • Inspect at least 20% of the small MS4 owned and operated stormwater inlets in problem areas identified by the small MS4 operator (for example, areas with recurrent illegal dumping) each year. • Inspect and clean at least 20% of the small MS4 owned and operated surface drainage system in problem areas identified by the small MS4 operator (for example, areas with recurrent illegal dumping) each year. • Collect and dispose of or recycle used oil and other household hazardous waste (HHW) from the public in at least three events each year. An event is any day in which the public has an opportunity to dispose of or recycle HHW either through collection or drop off

Activity/BMP	Measurable Goals
Storm Sewer System Operation and Maintenance Problem Areas as described by Part IV.D.6.(c)(1)b.	Develop a list of 100% of the identified potential problem areas. Identify and prioritize problem areas for increased inspection (for example, areas with recurrent illegal dumping). Review and update the list of potential problem areas at least one time annually to address changes or additions to the list.
Operation and Maintenance Program to Reduce Discharges of Pollutants from Roads as described by Part IV.D.6.(c)(2).	<p>Implement the following:</p> <ul style="list-style-type: none"> • A street sweeping and cleaning program to address 75% of the MS4 area where street sweeping is technically feasible annually. <ul style="list-style-type: none"> ○ Ensure 100% of the MS4 area where street sweeping is technically feasible is addressed at least two times by the end of the permit term. • One or a combination of the following non-street sweeping controls: <ul style="list-style-type: none"> ○ an inlet protection program addressing 100% of the small MS4 area where street sweeping is technically infeasible by the end of the permit term, which must include an implementation schedule and a waste disposal procedure, or ○ Ensure that trash receptacles, or similar trash capturing devices are provided and maintained in 100% of the areas identified as high trash generating areas within the areas where street sweeping is technically infeasible (such as areas near parks, event spaces, etc.).
Mapping of Facilities as described by Part IV.D.6.(c)(3).	<p>On a map of the area regulated under this general permit, identify where 100% of the permittee-owned and operated facilities and stormwater controls are located.</p> <p>Review and update the map at least one time annually to address changes or additions to the facilities and controls.</p>
Assessment of Facilities' Pollutant Discharge Potential as described by Part IV.D.6.(c)(4)a.	Review 100% of the facilities identified in Part IV.D.6.(b) at least one time per permit term for their potential to discharge pollutants into stormwater.

Activity/BMP	Measurable Goals
Identification of high priority facilities as described by Part IV.D.6.(c)(4)b.	<p>Based on the assessment in Part IV.D.6.(c)(4)a., the permittee shall identify as <i>high priority</i> those facilities that have a high potential to generate stormwater pollutants. A list of 100% of the identified facilities must be developed and maintained each year.</p> <p>Review and update the list of high priority facilities at least one time annually to address changes or additions to the facilities.</p>
Documentation of Assessment Results as described by Part IV.D.6.(c)(4)c.	<p>Document the results of all the assessments and maintain copies of 100% of the site evaluation checklists used to conduct the assessments each year.</p> <p>The documentation must include:</p> <ul style="list-style-type: none"> • the results of the permittee’s initial assessment, and any identified deficiencies and corrective actions taken.
Development of Facility-Specific SOPs as described by Part IV.D.6.(c)(5).	<p>Develop facility-specific stormwater management SOPs for 100% of the MS4 owned and operated facilities. A description of 100% of the BMPs developed to comply with Part IV.D.6.(c)(6) must be included in each facility-specific SOP.</p> <p>Review and update the facility-specific SOPs at least one time annually to address changes or additions to the facilities.</p> <p>If requested, SOPs must be made available to TCEQ within 24 hours of the request for review.</p>
Stormwater Controls for High Priority Facilities, General Good Housekeeping as described by Part IV.D.6.(c)(6)a.	<p>Shelter from exposure to stormwater 100% of material with a potential to contribute to stormwater pollution (such as, fertilizers, solvents, paints, cleaners, automotive products, etc.) each year.</p>
Stormwater Controls for High Priority Facilities, De-icing and anti-icing material storage as described by Part IV.D.6.(c)(6)b.	<p>Implement one or a combination of the following:</p> <p>Ensure that 100% of stormwater runoff from storage piles of salt and other de-icing and anti-icing materials is not discharged each year.</p> <p>Or ensure that 100% of discharges from the piles are authorized under a separate discharge permit each year.</p>
Stormwater Controls for High Priority Facilities, Fueling and vehicle maintenance as described by Part IV.D.6.(c)(6)c.	<p>Develop and implement SOPs that address spill prevention and spill control at 100% of permittee-owned and operated vehicle fueling, vehicle maintenance, and bulk fuel delivery facilities each year.</p> <p>Review and update the facility specific SOPs at least one time annually to address changes or additions to the facilities.</p>

Activity/BMP	Measurable Goals
<p>Stormwater Controls for High Priority Facilities, Equipment and vehicle washing as described by Part IV.D.6.(c)(6)d.</p>	<p>Develop and implement SOPs that address equipment and vehicle washing activities at 100% of the permittee-owned and operated facilities where washing occurs.</p> <p>To ensure that wastewater is not discharged under this general permit, the permittee’s SOP must include one or more of the following:</p> <ul style="list-style-type: none"> • installing a vehicle wash reclaim system, • capturing and hauling the wastewater for proper disposal, • connecting to sanitary sewer (where applicable and approved by local authorities), • ceasing the washing activity, or • applying for and obtaining a separate TPDES permit. <p>Review and update the facility specific SOPs at least one time annually to address changes or additions to the facilities.</p>
<p>Inspections as described by Part IV.D.6.(c)(7).</p>	<p>Develop and implement an inspection program, which at a minimum must include inspections of 100% of high priority permittee-owned facilities one time per year.</p> <p>The results of 100% of the inspections and observations must be documented and available for review by the TCEQ each year.</p>

(d) Additional Requirements for Level 4 small MS4s:

In addition to all the requirements described in Parts IV.D.6.(b)-(c) above, permittees who operate Level 4 small MS4s shall meet the following requirements including Table 15.

(1) Pesticide, Herbicide, and Fertilizer Application and Management

- a. Landscape maintenance – The permittee shall evaluate the materials used and activities performed on public spaces owned and operated by the permittee such as parks, schools, golf courses, easements, public rights of way, and other open spaces for pollution prevention opportunities. Maintenance activities for the turf landscaped portions of these areas may include mowing, fertilization, pesticide application, and irrigation. Typical pollutants include sediment, nutrients, hydrocarbons, pesticides, herbicides, and organic debris.
- b. The permittee shall implement the following practices to minimize landscaping-related pollutant generation with regard to public spaces owned and operated by the permittee:

- (i) Educational activities, permits, certifications, and other measures for the permittee’s applicators and distributors;
 - (ii) Pest management measures that encourage non-chemical solutions where feasible. Examples may include:
 - (a) Use of native plants or xeriscaping;
 - (b) Keeping clippings and leaves out the small MS4 and the street by implementing mulching, composting, or landfilling;
 - (c) Limiting application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions; and
 - (d) Reducing mowing of grass to allow for greater pollutant removal, but not jeopardizing motorist safety.
 - c. The permittee shall develop schedules for chemical application in public spaces owned and operated by the permittee that minimize the discharge of pollutants from the application due to irrigation and expected precipitation; and
 - d. The permittee shall ensure collection and proper disposal of the permittee’s unused pesticides, herbicides, and fertilizers.
- (2) Evaluation of Flood Control Projects

The permittee shall assess the impacts of the receiving water(s) for all flood control projects. New flood control structures must be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater. The retrofitting of existing structural flood control devices to provide additional pollutant removal from stormwater shall be implemented to the MEP.

Table 15: Additional Required Pollution Prevention and Good Housekeeping for Municipal Operations BMPs for Level 4 Small MS4s:

Activity/BMP	Measurable Goals
Pesticide, Herbicide, and Fertilizer applicator and distributor measures as described by Part IV.D.6.(d)(1)b.(i).	Require 100% of pesticide, herbicide, and fertilizer applicators and distributors working in the public spaces owned and operated by the permittee, including contract workers, to demonstrate at least one of the following each year: <ul style="list-style-type: none"> • Training in application or distribution • Permit to apply or distribute • Certification for application or distribution

Activity/BMP	Measurable Goals
Landscape maintenance as described by Part IV.D.6.(d)(1)a.	<p>Evaluate at least one time each year the materials used, and activities performed on 100% of the public spaces owned and operated by the permittee for pollution prevention opportunities such as:</p> <ul style="list-style-type: none"> • parks, • schools, • golf courses, • easements, • public rights of way, and • other open spaces.
Non-chemical solutions as described by Part IV.D.6.(d)(1)b.(ii).	<p>Utilize at least one of the following non-chemical solutions each year in 100% of the public spaces owned and operated by the permittee:</p> <ul style="list-style-type: none"> • Use of native plants or xeriscaping in 10% of each public space's landscaping area; • Keep clippings and leaves out the small MS4 and the street by implementing mulching, composting, or landfilling; • Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions; or • Reduce mowing of grass frequency to allow for greater pollutant removal, but not jeopardizing motorist safety. <p>If it is not feasible for the small MS4 operator to implement at least one of these measures in one or more public spaces owned and operated by the permittee, written documentation of the reason must be maintained and made available to the TCEQ upon request.</p>
Schedules for chemical application as described by Part IV.D.6.(d)(1)c.	Develop and implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year. Schedules must minimize the discharge of pollutants from the chemical application due to irrigation and expected precipitation.
Collection and disposal of pesticides, herbicides, and fertilizers as described by Part IV.D.6.(d)(1)d.	Ensure collection and proper disposal of 100% of the permittee's unusable pesticides, herbicides, and fertilizers each year.

Activity/BMP	Measurable Goals
Evaluation of Flood Control Projects as described by Part IV.D.6.(d)(2).	<p>Assess the impacts of the receiving water(s) for 100% of the flood control projects each year.</p> <p>100% of new flood control structures must be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater.</p> <p>The retrofitting of 20% of the existing structural flood control devices each year to provide additional pollutant removal from stormwater shall be implemented unless infeasible.</p> <ul style="list-style-type: none"> • If it is not feasible for the small MS4 operator to retrofit 20% of the existing control devices each year, written documentation of the reason must be maintained and made available to the TCEQ for review upon request.

7. Industrial Stormwater Sources

Permittees operating a Level 4 small MS4 shall meet the requirements below including Table 16.

- (a) Permittees who operate Level 4 small MS4s shall identify and control pollutants in stormwater discharges to the small MS4 from the permittee’s landfills; other treatment, storage, or disposal facilities for municipal waste (for example, transfer stations and incinerators); hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge the permittee determines are contributing a substantial pollutant loading to the small MS4.
- (b) The program must include priorities and procedures for inspections and for implementing control measures for such industrial discharges.

Table 16: Required Industrial Stormwater Sources BMPs for Level 4 Small MS4s

Activity/BMP	Measurable Goals
Industrial facilities as described by Part IV.D.7.(a).	Identify and control pollutants in stormwater discharges to the small MS4 from 100% of the permittee’s landfills; other treatment, storage, or disposal facilities for municipal waste (for example, transfer stations and incinerators); hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge the permittee determines are contributing a substantial pollutant loading to the small MS4.

Activity/BMP	Measurable Goals
Inspections as described by Part IV.D.7.(b).	<p>Inspect 100% of small MS4 owned and operated facilities described by Part IV.D.7.(a) at least one time annually.</p> <p>Inspect 100% of industrial facilities permitted under the TPDES MSGP, TXR050000, and located within the small MS4 area at least one time annually.</p>
Priorities and Procedures as described by Part IV.D.7.(b).	<p>Develop and implement SOPs for 100% of inspections of facilities as described by Part IV.D.7.(b) and industrial facilities permitted under the TPDES MSGP, TXR050000, and within the small MS4 area.</p> <p>Review and update the facility inspection SOPs at least one time annually to address changes or additions.</p>

8. Authorization for Construction Activities where the Small MS4 is the Site Operator

The development of this MCM for construction activities, where the small MS4 is the construction site operator, is optional and provides an alternative to the MS4 operator seeking coverage under TPDES CGP, TXR150000, for each construction activity. Permittees that choose to develop and implement this MCM will be authorized to discharge stormwater and certain non-stormwater from construction activities only where the MS4 operator meets the definition of a construction site operator. This MCM only authorizes the small MS4 operator and does not provide authorization for other construction site operators at a municipal project.

When developing this measure, permittees are required to meet all requirements of, and be consistent with the following: (1) applicable effluent limitation guidelines for the Construction and Development industry (40 CFR Part 450), (2) TPDES CGP TXR150000, (3) Part IV.D.4 and Part VII of this general permit.

The authorization to discharge under this MCM is limited to the small MS4's regulated area, such as the portion of the small MS4 located within an urban area with a population of at least 50,000 people or the area designated by TCEQ as requiring coverage. However, an MS4 operator may also utilize this MCM over additional portions of their small MS4 that are also in compliance with all of the MCMs listed in this general permit.

This MCM must be developed as a part of the SWMP. If this MCM is developed after submitting the initial NOI, an NOC must be submitted notifying the executive director of this change, and identifying the geographical area or boundary where the activities will be conducted under the provisions of this general permit.

Utilization of this MCM does not preclude a small MS4 from obtaining coverage under the TPDES CGP, TXR150000, or under a TPDES individual permit.

Controls required under this MCM must be implemented prior to discharge from a municipal construction site into surface water in the state.

The MCM must include:

- (a) A description of how construction activities will generally be conducted by the permittee taking into consideration local conditions of weather, soils, and other site-specific considerations;

- (b) A description of the area that this MCM will address and where the permittee's construction activities are covered (for example within the boundary of the urban area with a population of at least 50,000 people, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary);
- (c) Either a description of how the permittee will supervise or maintain oversight over contractor activities to ensure that the SWP3 requirements are properly implemented at the construction site; or how the permittee will make certain that contractors have a separate authorization for stormwater discharges;
- (d) A general description of how a SWP3 will be developed for each construction site, according to Part VII of this general permit; and
- (e) Records of municipal construction activities authorized under this optional MCM, in accordance with Part VII of this general permit.

Part V. Recordkeeping and Reporting

Section A. Recordkeeping

1. The permittee shall retain all records, a copy of this TPDES general permit (maintained physically or electronically), and records of all data used to complete the application (NOI) for this general permit, for a period of at least three years, or for the remainder of the term of this general permit, whichever is longer. This period may be extended by request of the executive director at any time.
2. The permittee shall submit the records to the executive director only when specifically asked to do so. The SWMP required by this general permit must be retained at a location accessible to the TCEQ for review upon request.
3. The permittee shall make the NOI and the SWMP available to the public at reasonable times during regular business hours, if requested to do so in writing. Copies of the SWMP must be made available within ten working days of receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act. However, all requests for records from federal facilities must be made in accordance with the Freedom of Information Act.
4. The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

Section B. Reporting

1. General Reporting Requirements

- (a) Noncompliance Notification

According to 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ.

Report of such information must be provided orally or by fax to the TCEQ Regional Office within 24 hours of becoming aware of the noncompliance. A written report must be provided by the permittee to the appropriate TCEQ Regional Office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the noncompliance. The written report must contain:

- (1) A description of the noncompliance and its cause;
 - (2) The potential danger to human health or safety, or the environment;
 - (3) The period of noncompliance, including exact dates and times;
 - (4) If the noncompliance has not been corrected, the anticipated time it is expected to continue; and
 - (5) Steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
- (b) Other Information

When the permittee becomes aware that it either submitted incorrect information or failed to submit complete and accurate information requested in an NOI, NOT, NOC, Option 1 Waiver, Option 2 Waiver, or any other report, the permittee shall promptly submit the facts or information to the executive director.

2. Annual Report

The small MS4 operator shall submit a concise annual report to the executive director by March 31st of each year for the previous calendar year.

The first annual report for this general permit shall address the period beginning on the day that authorization is obtained and ending on December 31 of that same year.

The small MS4 operator shall make a copy of the annual report readily available for review by TCEQ personnel upon request.

The annual report must include:

- (a) The status of the compliance with permit conditions, an assessment of the appropriateness of the identified activities/BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMS, and an evaluation of the success of the implementation of the measurable goals;
- (b) A summary of the results of information collected and analyzed, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
- (c) If applicable for receiving water bodies, a summary of any activities taken to address the discharge to impaired water bodies, including a summary of the small MS4s BMPs used to address the pollutant of concern, and if sampling was conducted include the sampling results;
- (d) A summary of the stormwater activities the small MS4 operator plans to undertake during the next reporting year;
- (e) Proposed changes to the SWMP, including changes to any activities/BMPs or any identified measurable goals that apply to the program elements;
- (f) A description and schedule for implementation of additional activities/BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans. For water bodies that are listed as impaired after discharge authorization pursuant to Part III., include a list of such water bodies and the pollutant(s) causing the impairment, and a summary of any actions taken to comply with the requirements of Part III.;

- (g) Notice that the small MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- (h) The number of construction activities where the small MS4 is the operator and authorized under the optional 8th MCM, including the total number of acres disturbed; and
- (i) The number of construction activities that occurred within the jurisdictional area of the small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the optional 8th MCM.

Small MS4s authorized under the 2019 TPDES Small MS4 General Permit must prepare an annual report whether or not the NOI has been approved by the TCEQ. If the permittee has either not implemented the SWMP or not begun to implement the SWMP because it has not received approval of the NOI, then the annual report may include that information.

The annual report must be signed (in accordance with 30 TAC § 305.128 relating to Signatories to Reports) and submitted using the online electronic reporting system, NeT - MS4, available through the TCEQ website unless the permittee requests and obtains an Electronic Reporting Waiver.

If the permittee obtains an Electronic Reporting Waiver, the annual report must be submitted with the appropriate paper annual report forms provided by the executive director and submitted to the following locations:

- Original – TCEQ Austin Headquarters Office c/o the Stormwater Team (MC-148), and
- Copy – The TCEQ Regional Office that serves the area of the regulated small MS4.

If permittees share a common SWMP (*i.e.*, coalitions), they shall contribute to a single system-wide annual report for all participating members and the designated coalition participant shall submit the annual report. At a minimum, each permittee shall sign and certify the annual report in the NeT-MS4 electronic system in accordance with 30 TAC § 305.128 (relating to Signatories to Reports). If the coalition participant designated to submit the annual report changes during the permit term, all participating members must submit an NOC to update the designated member.

Part VI. Standard Permit Conditions

- A. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the general permit and statutes under which it was issued, and is grounds for enforcement action, for terminating coverage under this general permit, or for requiring a discharger to apply for and obtain a TPDES individual permit.
- B. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- C. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

- D. Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee shall furnish to the executive director, upon request and within a reasonable timeframe, any information necessary for the executive director to determine whether cause exists for modifying, revoking, suspending, reissuing, or terminating authorization under this general permit. Additionally, the permittee shall provide to the executive director, upon request, copies of all records that the permittee shall maintain as a condition of this general permit.
- E. The permittee shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the conditions of this permit and with the condition of the permittee's SWMP. Proper O&M also includes adequate laboratory controls and appropriate quality assurance procedures. Proper O&M requires the operation of backup or auxiliary facilities or similar systems, installed only when the operation is necessary to achieve compliance with the conditions of this permit.
- F. Inspection and entry shall be allowed under the TWC Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 CFR § 122.41(i). The statement in TWC § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.
- G. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under the TWC, Chapters 26 - 28, and the Texas Health and Safety Code, Chapter 361 for violations including but not limited to the following:
1. Negligently or knowingly violating CWA §§ 301, 302, 303, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA § 402; and
 2. Knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance.
- H. All reports and other information requested by or submitted to the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
- I. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.
- J. Nothing in Part II of the general permit is intended to negate any person's ability to assert the force majeure (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC § 70.7.
- K. This permit does not transfer liability for the act of discharging without, or in violation of, a NPDES or a TPDES permit from the operator of the discharge to the permittee(s).

Part VII. Authorization for Municipal Construction Activities – Applicable only if the Optional 8th MCM is Selected

The small MS4 operator may obtain authorization under TPDES CGP, TXR150000, to discharge stormwater runoff from each construction activity performed by the small MS4 operator that results in a land disturbance of one acre or more of land or less than one acre of land, if the construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Alternatively, the small MS4 operator may develop the SWMP to include the optional 8th MCM listed in Part IV.D.8 of this general permit if the eligibility requirements in Part VII.A. below are met.

Even if a small MS4 operator has developed the optional 8th MCM, the small MS4 operator may apply under TPDES CGP, TXR150000, for authorization for certain municipal construction activities including those activities that occur during periods of low potential for erosion (for which no SWP3 must be developed).

Section A. Eligible Construction Sites

Discharges from construction activities within the regulated area where the small MS4 operator meets the definition of construction site operator are eligible for authorization under this general permit. Discharges from construction activities outside of the regulated area, where the small MS4 operator meets the definition of construction site operator, are only eligible for authorization under this general permit in those areas where the small MS4 operator meets all the requirements of Parts IV.D.1-8. of this general permit.

Section B. Discharges Eligible for Authorization**1. Stormwater Associated with Construction Activity**

Discharges of stormwater runoff from small and large construction activities may be authorized under this general permit.

2. Discharges of Stormwater Associated with Construction Support Activities

Discharges of stormwater runoff from construction support activities, including concrete batch plants, asphalt batch plants, equipment staging areas, material storage yards, material borrow areas, and excavated material disposal areas may be authorized under this general permit provided:

- (a) The activity is located within a one-mile distance from the boundary of the permitted construction site and directly supports the construction activity;
- (b) A SWP3 is developed according to the provisions of this general permit and includes appropriate controls and measures to control sediment and erosion and discharge of pollutants in stormwater runoff from the supporting construction activity site;
- (c) The construction support activity either does not operate beyond the completion date of the construction activity or obtains separate TPDES permit authorization for discharges as required; and
- (d) The discharge of stormwater from concrete production facilities meets the requirements in Section F below.

3. Non-Stormwater Discharges

This general permit authorizes the following non-stormwater discharges from construction sites authorized under this general permit:

- (a) Discharges from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, runoff water from training activities, test water from fire suppression systems, and similar activities);
- (b) Uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing reclaimed wastewater as a source water);
- (c) Water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, or dust;
- (d) Uncontaminated water used to control dust;
- (e) Potable water sources including waterline flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- (f) Uncontaminated air conditioning condensate; and
- (g) Uncontaminated groundwater or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.

4. Other Permitted Discharges

Any discharge authorized under a separate TPDES or TCEQ permit may be combined with discharges from construction sites operated by the small MS4, provided the discharge complies with the associated permit.

Section C. Limitations on Permit Coverage

Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under Part VII of the general permit.

Section D. Stormwater Pollution Prevention Plan (SWP3) Requirements

Operators of municipal construction activities that qualify for coverage under this general permit and that discharge stormwater associated with construction activities into surface water in the state must:

- (a) Develop a SWP3 according to the provisions of this general permit that covers the entire site and begin implementation of that plan prior to commencing construction activities (NOTE: small MS4 operators may develop and implement a shared SWP3 with other operators covered under the TPDES CGP, TXR150000);

- (b) Post a signed copy of the applicable TCEQ approved site notice form in a location at the construction site where it is readily available for viewing prior to commencing construction activities and maintain the notice in that location until completion of the construction activity and final stabilization of the site;
- (c) Ensure the project specifications allow or provide that adequate BMPs may be developed and modified as necessary to meet the requirements of this general permit and the SWP3;
- (d) Ensure all contractors are aware of the SWP3 requirements, are aware that municipal personnel are responsible for the day-to-day operations of the SWP3, and who to contact concerning SWP3 requirements; and
- (e) Ensure that the SWP3 identifies the municipal personnel responsible for implementation of control measures described in the plan.

Section E. Contents of SWP3

The SWP3 must include, at a minimum, the information described in this section.

1. Site Description

A site description, or project description, which must include:

- (a) A description of the nature of the construction activity, potential pollutants and sources;
- (b) A description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site;
- (c) The number of acres of the entire construction site property and the total number of acres of the site where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas;
- (d) Data describing the soil type or the quality of any discharge from the site;
- (e) A map showing the general location of the site (*e.g.*, a portion of a city or county map);
- (f) A detailed site map indicating the following:
 - (1) Drainage patterns and approximate slopes anticipated after major grading activities;
 - (2) Areas where soil disturbance will occur;
 - (3) Locations of all major structural controls either planned or in place;
 - (4) Locations where temporary or permanent stabilization practices are expected to be used;
 - (5) Locations of construction support activities, including off-site activities that are authorized under the permittee's NOI, including material, waste, borrow, fill, or equipment storage areas;
 - (6) Surface waters (including wetlands) either at, adjacent, or in close proximity to the site;
 - (7) Locations where stormwater discharges from the site directly to a surface water body or an MS4; and
 - (8) Vehicle wash areas.

- (g) The location and description of asphalt plants and concrete plants (if any) providing support to the construction site and that are also authorized under this general permit;
- (h) The name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project; and
- (i) A copy of Part VII of this TPDES general permit.

2. Structural and non-structural controls

The SWP3 must describe the structural and the non-structural controls (BMPs) that will be used to minimize pollution in runoff. The description must identify the general timing or sequence for implementation and the party responsible for implementation. At a minimum, the description must include the following components:

Erosion and Sediment Controls

- (a) Erosion and sediment controls must be designed to retain sediment on-site to the MEP with consideration for local topography and rainfall.
- (b) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications. If periodic inspections or other information indicates a control has been used incorrectly, or that the control is performing inadequately, the operator must replace or modify the control.
- (c) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%.
- (d) If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects and, whenever feasible, prior to the next rain event.
- (e) Controls must be developed to limit offsite transport of litter, construction debris, and construction materials by stormwater runoff.

3. Stabilization Practices

The SWP3 must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. Site plans must ensure that existing vegetation is preserved where possible.

- (a) Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, and other similar measures.
- (b) The following records must be maintained and either attached to or referenced in the SWP3 and made readily available upon request to the parties in Part VII.J of this general permit:
 - (1) The dates when major grading activities occur;
 - (2) The dates when construction activities temporarily or permanently cease on a portion of the site; and
 - (3) The dates when stabilization measures are initiated.
- (c) Stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily or permanently ceased, and will not resume for a period exceeding 14 calendar days, except as provided in (1) and (2) below.

- (1) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.
- (2) Where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable. These conditions exist in arid areas, semiarid areas, and areas experiencing drought conditions.

4. Structural Control Practices

The SWP3 must include a description of any structural control practices used to divert flows away from exposed soils, to limit the contact of runoff with disturbed areas, or to lessen the off-site transport of eroded soils.

- (a) Sites with a drainage area of ten or more acres:
 - (1) A sediment basin is required, where feasible, for a common drainage location that serves an area with ten or more acres disturbed at one time. A sedimentation basin may be temporary or permanent, but must provide sufficient storage to contain a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from off-site areas and flow from on-site areas that are either undisturbed or have already undergone final stabilization, if these flows are diverted around both the disturbed areas of the site and the sediment basin. Capacity calculations must be included in the SWP3.
 - (2) Where rainfall data is not available or a calculation cannot be performed, the sedimentation basin must provide at least 3,600 cubic feet of storage per acre drained until the site reaches final stabilization.
 - (3) If a sedimentation basin is not feasible, then the permittee shall provide equivalent control measures until the site reaches final stabilization. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area, public safety, precipitation pattern, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater, and other similar considerations. The permittee shall document the reason that the sediment basins are not feasible, and shall utilize equivalent control measures, which may include a series of smaller sediment basins.
 - (4) Perimeter Controls – At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.
- (b) Controls for sites with drainage areas less than ten acres:
 - (1) Sediment traps and sediment basins may be used to control solids in stormwater runoff for drainage locations serving less than ten acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

- (2) Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained may be utilized. Where rainfall data is not available or a calculation cannot be performed, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained may be provided. If a calculation is performed, then the calculation shall be included in the SWP3.

5. Permanent Stormwater Controls

A description of any measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed must be included in the SWP3. Permittees are only responsible for the installation and maintenance of stormwater management measures prior to final stabilization of the site.

6. Other Controls

- (a) Off-site vehicle tracking of sediments and the generation of dust must be minimized.
- (b) The SWP3 must include a description of construction and waste materials expected to be stored onsite and a description of controls to reduce pollutants from these materials.
- (c) The SWP3 must include a description of pollutant sources from areas other than construction (including stormwater discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

7. Effluent Limitations

The federal Effluent Limitations Guidelines at 40 CFR § 450.21 apply to all regulated construction activities under the optional 8th MCM, where the small MS4 is the operator.

8. Approved State and Local Plans

- (a) The permittee shall ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or stormwater management site plans or site permits approved by federal, state, or local officials.
- (b) All SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or stormwater management site plans or site permits approved by state or local official for whom the permittee receives written notice.

9. Maintenance

All erosion and sediment control measures and other protective measures identified in the SWP3 must be maintained in effective operating condition. If through inspections the permittee determines that BMPs are not operating effectively, maintenance must be performed before the next anticipated storm event or as necessary to maintain the continued effectiveness of stormwater controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

10. Inspections of Controls

- (a) **Inspection Requirements.** Personnel provided by the permittee must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, discharge locations, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Personnel conducting these inspections must be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWP3 for the site. Sediment and erosion control measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking.
- (b) **Inspection Frequency.**
 - (1) Inspections must be conducted at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
 - a. If a storm event produces 0.5 inches or more of rain within a 24-hour period (including when there are multiple, smaller storms that alone produce less than 0.5 inches but together produce 0.5 inches or more in 24 hours), you are required to conduct one inspection within 24 hours of when 0.5 inches of rain or more has fallen. When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.
 - b. If a storm event produces 0.5 inches or more of rain within a 24-hour period on the first day of a storm and continues to produce 0.5 inches or more of rain on subsequent days, you must conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the last day of the storm that produces 0.5 inches or more of rain (i.e., only two inspections would be required for such a storm event). When the 24-hour inspection time frame occurs entirely outside of normal working hours, you must conduct an inspection by no later than the end of the next business day.
 - (2) Where sites have been finally or temporarily stabilized or where runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or frozen ground exists), inspections must be conducted at least once every month.
 - (3) In arid or semi-arid, or drought-stricken areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater.
 - (4) As an alternative to the above-described inspection schedule of once every 14 calendar days and within 24 hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven calendar days. If this alternative schedule is developed, then the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.
 - (5) The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented in the SWP3 (e.g., end of “dry” season and beginning of “wet” season).

- (6) In the event of flooding or other adverse conditions that prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable.
- (d) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part VII.E.10.(a) above.
 - (1) Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches, but representative inspections may be performed.
 - (2) For representative inspections, personnel must inspect controls along the construction site for 0.25 miles above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part VII.E.10.(a) above.
 - (3) The conditions of the controls along each inspected 0.25 miles portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 miles portion to either the end of the next 0.25 miles inspected portion, or to the end of the project, whichever occurs first.
- (e) Requirements for inspections may be temporarily suspended for adverse conditions. Adverse conditions are conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or conditions that prohibit access to the site (e.g., flooding, freezing conditions). Adverse conditions that result in the temporary suspension of a permit requirement to inspect must be documented and included as part of the SWP3. Documentation must include:
 - (1) the date and time of the adverse condition,
 - (2) names of personnel that witnessed the adverse condition, and
 - (3) a narrative for the nature of the adverse condition.
- (f) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable.
- (g) A report summarizing the scope of the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit.

The report must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

- (h) The names and qualifications of personnel making the inspections for the permittee may be documented once in the SWP3 rather than being included in each report.

11. Observation and Evaluation of Dewatering Controls

- (a) Personnel provided by the permittee must observe and evaluate dewatering controls at a minimum of once per day on the days where dewatering discharges from the construction site occur. Personnel conducting these evaluations must be knowledgeable of this general permit, the construction activities at the site, and the SWP3 for the site. Personnel conducting these evaluations are not required to have signatory authority for reports under 30 TAC § 305.128 (relating to Signatories to Reports).
- (b) Requirements for Observations and Evaluations
 - (1) A report summarizing the scope of any observation and evaluation must be completed within 24-hours following the evaluation. The report must also include, at a minimum, the following:
 - a. date of the observations and evaluation;
 - b. name(s) and title(s) of personnel making the observations and evaluation;
 - c. approximate times that the dewatering discharge began and ended on the day of evaluation, or if the dewatering discharge that continues after normal business hours, indicate that the discharge is continuous (this information can be reported by personnel initiating the dewatering discharge);
 - d. estimates of the rate (in gallons per day) of discharge on the day of evaluation;
 - e. whether or not any indications of pollutant discharge were observed at the point of discharge (e.g., foam, oil sheen, noticeable odor, floating solids, suspended sediments, or other obvious indicators of stormwater pollution); and
 - f. major observations, including: the locations of where erosion and discharges of sediment or other pollutants from the site have occurred; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.
 - (2) Actions taken as a result of evaluations, including the date(s) of actions taken, must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be retained as part of the SWP3 and signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).
 - (3) The names and qualifications of personnel making the evaluations for the permittee may be documented once in the SWP3 rather than being included in each report.

12. Pollution Prevention Measures

The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-stormwater components of the discharge.

Section F. Stormwater Runoff from Concrete Batch Plant

Discharges of stormwater runoff from concrete batch plants at construction sites authorized under this general permit may be authorized under the provisions of this general permit provided that the requirements in this section are met. If discharges of stormwater runoff from concrete batch plants are not covered under this general permit, then discharges must be authorized under an alternative general permit or an individual permit. This general permit does not authorize the discharge or land disposal of any wastewater from concrete batch plants at construction sites authorized under this general permit. Authorization for these wastes must be obtained under an individual permit or an alternative general permit.

1. Benchmark Sampling Requirements

- (a) Small MS4 operated concrete batch plants authorized under this section must sample the stormwater runoff from the concrete batch plants according to the requirements of this section of the general permit, and must conduct evaluations of the effectiveness of the SWP3 based on the following benchmark monitoring values:

Table 17. Benchmark Monitoring

Benchmark Parameters (*1)	Benchmark Value	Sampling Frequency (*2)(*3)	Sample Type (*4)
Oil and Grease	15 mg/L	1/quarter	Grab
Total Suspended Solids	50 mg/L	1/quarter	Grab
pH	6.0-9.0 S.U. ¹	1/quarter	Grab
Total Iron	1.3 mg/L	1/quarter	Grab

¹Standard Units (S.U)

(*1) Analytical data intended for compliance with benchmark monitoring requirements must be analyzed by a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory based on state rules located in 30 TAC Chapter 25. Analysis must be performed using sufficiently sensitive methods for analysis that comply with the rules located in 40 CFR §§ 136.1(c) and 122.44(i)(1)(iv).

(*2) When discharge occurs. Sampling is required within the first 30 minutes of discharge. If it is not practicable to take the sample, or to complete the sampling, within the first 30 minutes, sampling must be completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.

(*3) Sampling must be conducted at least once during each of the following periods. The first sample must be collected during the first full quarter that a stormwater discharge occurs from a concrete batch plant authorized under this general permit.

- January through March

- April through June
- July through September
- October through December

For projects lasting less than one full quarter, a minimum of one sample shall be collected, provided that a stormwater discharge occurred at least once following submission of the small MS4 NOI.

(*4) A grab sample shall be collected from the stormwater discharge resulting from a storm event that is at least 0.1 inches of measured precipitation that occurs at least 72 hours from the previously measurable storm event. The sample shall be collected downstream of the concrete batch plant, and where the discharge exits any BMPs utilized to handle the runoff from the batch plant, prior to commingling with any other water authorized under this general permit.

- (b) The permittee shall compare the results of sample analyses to the benchmark values above, and must include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations. Results of analyses are indicators that modifications of the SWP3 should be assessed and may be necessary to protect water quality. The operator must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 by the end of the quarter following the sampling event.

The small MS4 operator's investigation must identify the following:

- (1) Any additional potential sources of pollution, such as spills that might have occurred;
- (2) Necessary revisions to good housekeeping measures that are part of the SWP3;
- (3) Additional BMPs, including a schedule to install or implement the BMPs; and
- (4) Other parts of the SWP3 that may require revisions in order to meet the goal of the benchmark values.

Background concentrations of specific pollutants may also be considered during the investigation. If the operator is able to relate the cause of the exceedance to background concentrations, then subsequent exceedances of benchmark values for that pollutant may be resolved by referencing earlier findings in the SWP3. Background concentrations may be identified by laboratory analyses of samples of stormwater runoff on to the permitted facility, by laboratory analyses of samples of stormwater runoff from adjacent non-industrial areas, or by identifying the pollutant is a naturally occurring material in soils at the site.

2. BMPs and SWP3 Requirements for Concrete Batch Plants

The following are required for concrete batch plants in addition to other SWP3 requirements listed in this section:

- (a) Description of Potential Pollutant Sources – The SWP3 must provide a description of potential sources (activities and materials) that may reasonably be expected to affect the quality of stormwater discharges associated with concrete batch plants authorized under this permit. The SWP3 must describe practices that that will be used to reduce the pollutants in these discharges to assure compliance with this general permit,

including the protection of water quality, and must ensure the implementation of these practices. The following must be developed, at a minimum, in support of developing this description:

- (1) Drainage – The site map must include the following information:
 - a. The location of all outfalls for stormwater discharges associated with concrete batch plants that are authorized under this permit;
 - b. A depiction of the drainage area and the direction of flow to the outfall(s);
 - c. Structural controls used within the drainage area(s);
 - d. The locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal of wastes listed in the TPDES CGP, TXR150000; liquid storage tanks; material processing and storage areas; and loading and unloading areas; and
 - e. The locations of the following: any bag house or other dust control device(s); recycle or sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the treatment device); areas with significant materials; and areas where major spills or leaks have occurred.
 - (2) Inventory of Exposed Materials – A list of materials handled at the concrete batch plant that may be exposed to stormwater and that have a potential to affect the quality of stormwater discharges associated with concrete batch plants that are authorized under this general permit.
 - (3) Spills and Leaks – A list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to stormwater and that drain to stormwater outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated.
 - (4) Sampling Data – A summary of existing stormwater discharge sampling data must be maintained, if available.
- (b) Measures and Controls - The SWP3 must include a description of management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part VII.F.2.(a) of this permit, and a schedule for implementation of the measures and controls. This must include, at a minimum:
- (1) Good Housekeeping – Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants.
 - a. Operators must prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to stormwater.

Measures used to minimize the presence of these materials may include regular sweeping or other equivalent practices. These practices must be conducted at a frequency that is determined based on consideration of the amount of industrial activity occurring in the area and frequency of precipitation, and shall occur at least once per week when cement or aggregate is being handled or otherwise processed in the area.

- b. Operators must prevent the exposure of fine granular solids, such as cement, to stormwater. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under covering.
- (2) Spill Prevention and Response Procedures – Areas where potential spills that can contribute pollutants to stormwater runoff, and the drainage areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage requirements, and use of equipment. Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel.
 - (3) Inspections – Qualified facility personnel (for example, a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. The inspection frequency must be specified in the SWP3 based upon a consideration of the level of concrete production at the facility, but must be a minimum of once per month while the facility is in operation. The inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to stormwater at the site, including material handling areas, above ground storage tanks, hoppers or silos, dust collection or containment systems, truck wash down and equipment cleaning areas. Follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for review upon request by the agencies and officials in Part VII.J of this general permit.
 - (4) Employee Training – An employee training program must be developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for stormwater pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a minimum, must consist of one training prior to the initiation of operation of the concrete batch plant.
 - (5) Record Keeping and Internal Reporting Procedures – A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges, must be included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWP3.
 - (6) Management of Runoff – The SWP3 shall contain a narrative consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, detention ponds, retention ponds, or reusing of runoff.
- (c) Comprehensive Compliance Evaluation – At least once per year, one or more qualified personnel (for example, a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation of the plant. The evaluation must include the following:
 - (1) Visual examination of all areas draining stormwater associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include but are not limited to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection or

containment systems, and truck wash down and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit and with the small MS4's SWP3. The operator shall conduct a visual inspection of equipment needed to implement the SWP3, such as spill response equipment.

- (2) Based on the results of the evaluation, the following must be revised as appropriate within two weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part VII.F.2(a), "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part VII.F.2.(b) "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes.
- (3) The permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any incidence(s), and the report must be signed according to 30 TAC § 305.128, relating to Signatories to Reports.
- (4) The Comprehensive Compliance Evaluation may substitute for one of the required inspections required in Part VII.F.2.(b)(3) of this general permit.

3. Concrete Truck Wash Out Requirements

This general permit authorizes the wash out of concrete trucks at construction sites authorized under this general permit, provided the following requirements are met. Authorization is limited to the land disposal of wash out water from concrete trucks. Any other direct discharge of concrete production wastewater must be authorized under a separate TCEQ general permit or individual permit.

- (a) Direct discharge of concrete truck washout water to surface water in the state, including discharge to storm sewers, is prohibited by this general permit.
- (b) Concrete truck washout water shall be discharged to areas at the construction site where structural controls have been established to prevent direct discharge to surface waters or to areas that have a minimal slope that allow infiltration and filtering of wash out water to prevent direct discharge to surface waters. Structural controls may consist of temporary berms, temporary shallow pits, temporary storage tanks with slow rate release, or other reasonable measures to prevent runoff from the construction site.
- (c) Wash out of concrete trucks during rainfall events shall be minimized. The direct discharge of concrete truck washout water is prohibited at all times, and the operator shall insure that its BMPs are sufficient to prevent the discharge of concrete truck washout as the result of rain.
- (d) The discharge of wash out water shall not cause or contribute to groundwater contamination.
- (e) The SWP3 shall include concrete wash out areas on the associated map.

Section G. Effective Date of Coverage

Construction activities may not commence under this section until the small MS4 NOI is approved in writing by the TCEQ. Following approval of the NOI, operators of construction activities eligible for coverage under this general permit are authorized to discharge stormwater associated with construction activity immediately upon posting the signed applicable TCEQ approved construction site notice form required under this MCM.

Section H. Deadlines for SWP3 Preparation and Compliance

The SWP3 must:

1. Be completed and initially implemented prior to commencing construction activities that result in soil disturbance;
2. Be updated as necessary to reflect the changing conditions of new contractors, new areas of responsibility, and changes in BMPs; and
3. Provide for compliance with the terms and conditions of this general permit.

Section I. Plan Review and Making Plans Available

The SWP3 must be retained onsite at the construction site or made readily available at the time of an onsite inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; and to local government officials.

Section J. Keeping Plans Current

The permittee shall amend the SWP3 whenever either of the following occurs:

1. There is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3; or
2. Results of inspections or investigations by site operators, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section K. Delegation of Signatory Authority

If signatory authority is delegated by an authorized representative, then a Delegation of Signatory form must be submitted as required by 30 TAC § 305.128 (relating to Signatories to Reports) using the State of Texas Environmental Electronic Reporting System (STEERS), TCEQ's online permitting system, unless the permittee requested and obtained an Electronic Reporting Waiver. A new Delegation of Signatory form must be submitted if the delegation changes to another individual or position during the permit term.

Section L. Additional Retention of Records

The permittee shall retain the following records for a minimum period of three years from the date that final stabilization has been achieved on all portions of the site. Records include:

1. A copy of the SWP3; and
2. All reports and actions required by this section, including copies of the approved TCEQ construction site notice forms.