



STORMWATER MANAGEMENT PROGRAM

AS REQUIRED BY:
TPDES GENERAL PERMIT NO. TXR040000

PREPARED BY:

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Introduction/Rationale Statement

This stormwater management program for the City of Nederland has been prepared in compliance with the TPDES General Permit No. TXR040000 with the effective date of August 15, 2024. The City has developed and implemented their SWMP for each consecutive TPDES TXR040000 permit term beginning in 2007. All previously established interim milestones have been achieved. Being that the 2024 Phase II MS4 permit is fully comprehensive with prescribed BMPs and measurable goals, the City has included new implementation dates for each BMP included in the SWMP which represents being at full implementation within 5 years from the permit issuance date. The BMPs/measurable goals were selected from the comprehensive permit and were determined to be the best available options to align with the City’s previous SWMP that was successfully implemented for the past 3 permit terms. The SWMP is designed to cover the duration of the permit term and will be updated as required to ensure compliance with the requirements of TPDES General Permit No. TXR040000 and Section 402 of the Clean Water Act. The City has reviewed the permit requirements established for each minimum control measure and has included the appropriate BMPs and corresponding measurable goals from the comprehensive general permit.

The City of Nederland has identified the Piping Plover (*Charadrius Melodus*) as an endangered/ threatened species within their regulated area. However, our research indicates that the regulated stormwater discharges from the City’s MS4 area will not adversely affect the species or its critical habitat. No additional site-specific controls, beyond the established permit requirements in TPDES General Permit No. TXR040000, have been identified as being necessary to ensure the protection of the species.

The City of Nederland is a member of the Jefferson County Stormwater Quality Coalition. Each entity in the Coalition has elected to develop a separate stormwater Management program and will submit individual annual reports each year. The City’s TXR040000 permit information is included in the table below.

Entity	MS4 Level	Permit Number
City of Nederland	Level 2	TXR040133

The permittee is entirely responsible for meeting the applicable SWMP requirements and has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area. The Public Works Director, Troy Foxworth, is responsible for the overall implementation of the SWMP. In addition, the permittee has elected to utilize LJA Engineering as their MS4 consultant.

The City of Nederland is located in Jefferson County and has a total population of approximately 17,335 according to the 2020 census. The receiving water bodies for the City’s storm sewer system are: Alligator Bayou. A general location map of Jefferson County is shown below in **Figure 1.1** and a map of the City’s urban area is included on the following page as **Figure 1.2**.

General Location Map – Jefferson County, Texas

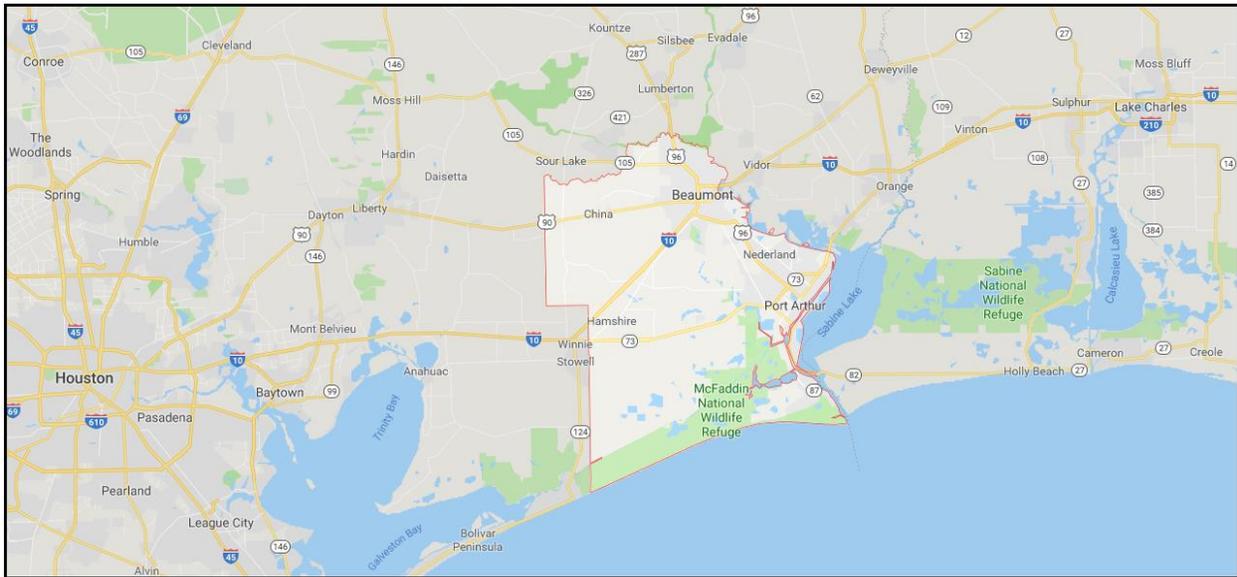


Figure 1.1

2020 Census Urban Area Map: Jefferson County, Texas



Figure 1.2

Section 1: Public Education and Outreach

1.A. Permit Requirements

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.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The permittee is fully responsible for the development and implementation of the Public Education and Outreach program. All BMPs and measurable goals included in this section will be implemented/supported by the City of Groves.

The permittee is classified as a Level 2a small MS4, therefore as required by TXR040000, the permittee has selected four BMPs from the comprehensive general permit for MCM 1.

As required by the comprehensive general permit, the Public Education and Outreach program implemented by the permittee will include the following target audience(s):

- Target Audience – Residents

For the target audience identified above, the permittee's Public Education and Outreach program will address the following targeted pollutants: pet waste, sediment runoff from construction activities, and illegal disposal of household hazardous waste. All public education materials, updated SWMP, and annual reports will be posted on the permittee's stormwater website (www.TXMS4.com/Jeffeson). The updated SWMP will be posted no later than 30 days after the NOI is approved by the TCEQ and the MS4 annual reports will be posted no later than 30 days after the submittal deadline. Through the use of multiple media outlets, the City expects to reach a significant percentage of the local community during the permit term. The activities and materials utilized to fulfill the Public Education and Outreach MCM will be documented. The documentation of these records will be summarized in an annual report and will be specific enough to demonstrate compliance with the existing permit requirements. Included in each BMP is an explanation of how the BMP will be implemented, interim goals (if applicable), and the specific targeted pollutant/audience associated with that BMP. The successfulness of the public education program will be evaluated based on the accomplishment of all associated measurable goals.

1.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
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 	The permittee will maintain their stormwater quality website at www.TXMS4.com/Jefferson . Website update form will be completed once per year. Target Audience: residents, staff, & contractors Target Pollutants: pet waste, sediment runoff from construction activities, and illegal disposal of household hazardous waste
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 message 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 	The permittee will maintain a social media page on Facebook annually and have a minimum of 1 stormwater quality post per quarter Target Audience: residents, staff, & contractors Target Pollutants: pet waste, sediment runoff from construction activities, and illegal disposal of household hazardous waste
Media/Advertising Campaign/Public Service Announcements; 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).	The permittee will post public service announcements on their stormwater website that address the pollutants of concern. The PSAs will remain active for at least 3 weeks per year. Target Audience: residents Target Pollutants: illegal disposal of household hazardous waste
Permanent Stormwater Related Signage	Place signage in a location where the message is relevant and highly visible to target audience. 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.	The permittee will post signage in highly visible locations and conduct 1 inspection per year to ensure proper maintenance. Target Audience: residents Target Pollutants: pet waste Interim Goal: Evaluate possible signage locations prior to December 2026

1.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
Information on the MS4 operator’s website	Annually	December 2025
Social Media Posts/Social Media Campaign	Annually	December 2026
Media/Advertising Campaign/Public Service Announcements; Billboard/Poster; Bus Shelter/Bench; Radio/Television/Movie Theatre; and Kiosks	Annually	December 2025
Permanent Stormwater Related Signage	Annually	December 2027

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 2: Public Involvement/Participation

2.A. Permit Requirements

All permittees, except prisons/correctional facilities, shall involve the public, and, at a 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.

2.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The permittee is fully responsible for the development and implementation of the Public Involvement/Participation program. All BMPs and measurable goals included in this section will be implemented/supported by the permittee.

The permittee is classified as Level 2a small MS4, therefore as required by TXR040000, the permittee has selected three BMPs from the comprehensive general permit for MCM 2.

The activities and materials utilized to fulfill the Public Involvement/Participation MCM will be documented. The documentation of these records will be summarized in an annual report and will be specific enough to demonstrate compliance with the existing permit requirements. Included in each BMP is an explanation of how the BMP will be implemented and interim goals (if applicable). The successfulness of the public involvement/participation program will be evaluated based on the accomplishment of all associated measurable goals.

2.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
<p>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>	<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: 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) 	<p>The permittee will host a minimum of 1 cleanup event annually to provide the public with a volunteer opportunity to have a positive impact on stormwater quality</p>
<p>Stormwater related speaker series</p>	<p>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.</p>	<p>The permittee will conduct 1 session annually to provide the public with information about stormwater quality. The session may be conducted in-person or virtually through the use of the permittee’s social media page.</p>
<p>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</p>	<p>Provide or support at a minimum one project or training annually</p>	<p>The permittee will conduct 1 training session annually to provide the public with information on how to recognize and report illicit discharges. The training session may be conducted in-person or virtually through the use of the permittee’s social media page.</p> <p>Interim Goal: Develop training materials prior to December 2026</p>

2.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
Clean-up Event	Annually	December 2025
Stormwater Related Speaker Series	Annually	December 2026
Stormwater Training Session	Annually	December 2027

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 3: Illicit Discharge Detection and Elimination

3.A. Permit Requirements

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.

3.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The Illicit Discharge Detection and Elimination minimum control measure consists of BMPs that focus on the detection and elimination of illicit discharges into the MS4. The detection of illicit discharges and illegal dumping will be accomplished through the implementation of the prescribed BMPs and measurable goals included in the comprehensive general permit. Any discharges identified during routine inspections/investigations will be analyzed using colorimetric field test kits to determine the nature of the discharge and the flow will be traced upstream to identify the source. Once the source of an illicit discharge has been identified, the permittee will utilize their regulatory mechanisms/procedures to ensure that the discharge is eliminated. Non-stormwater flows listed in Part II, Section D of TPDES General Permit TXR040000 will not be considered by the permittee as an illicit discharge unless a permittee identifies the flow as a significant source of pollutants to their small MS4. The successfulness of the illicit discharge detection and elimination program will be evaluated based on the accomplishment of all associated measurable goals.

3.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
<p>Maintain a current and accurate MS4 map as described in Part IV.D.3(c)(1)</p>	<p>Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.</p>	<p>The permittee will conduct and document 1 MS4 map review process annually.</p>
<p>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.</p>	<p>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.</p>	<p>The permittee will provide 100% of the MS4 field staff with the appropriate illicit discharge training materials once per year. Interim Goal: Develop training materials prior to December 2025</p>
<p>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.(c)(3)</p>	<p>Maintain a minimum of one public reporting mechanism 100% of the time during the permit term. 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. In addition, if the MS4 operator has a public website, the public reporting mechanism must be published on the public website 100% of the time during the permit term.</p>	<p>The permittee will maintain and publicize the appropriate phone numbers for reporting illicit discharges during 100% of the time of the permit term. Information for reporting illicit discharges will be included on the stormwater website, public education materials, and social media posts at least two times per year.</p>
<p>Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills as described in Part IV.D.3(c)(4)</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>The permittee will conduct 1 review annually of the standard operating procedures and perform any necessary updates.</p>

<p>Source investigation and elimination of illicit discharges and illegal dumping as described in Part IV.D.3(c)(5)</p>	<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 of the applicable TCEQ regional office each year.</p> <p>Notify the TCEQ immediately of 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.</p>	<p>The permittee will conduct the source investigation and elimination process for illicit discharges as described in Part IV.D.3(c)(5) and in compliance with their standard operating procedures.</p>
<p>Corrective action to eliminate illicit discharges and illegal dumping as described in Part IV.D.3(c)(5)</p>	<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>	<p>The permittee will conduct the corrective action process for illicit discharges as described in Part IV.D.3(c)(5) and in compliance with their standard operating procedures.</p>
<p>Inspection procedures as described in Part IV.D.3(c)(6)</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>The permittee will conduct 1 review annually of the standard operating procedures and perform any necessary updates.</p>
<p>Inspections in response to complaints as described in Part IV.D.3(c)(6)</p>	<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>	<p>The permittee will conduct inspections in response to complaints as described in Part IV.D.3(c)(6) and in compliance with their standard operating procedures.</p>

3.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
MS4 Map	Annually	December 2025
MS4 Field Staff Training	Annually	December 2026
Public Reporting Mechanism	Annually	December 2026
Illicit Discharge Response Procedures	Annually	December 2025
Source Investigation and Elimination	Annually	December 2025
Corrective Actions	Annually	December 2025
Inspection Procedures	Annually	December 2025
Complaint Inspections	Annually	December 2025

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 4: Construction Site Stormwater Runoff Control

4.A. Permit Requirements

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.

4.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The construction site stormwater runoff minimum control measure consists of BMPs that focus on the reduction of pollutants in stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or construction activity that is part of a larger common plan of development or sale that would disturb one acre or more of land. The permittee has established ordinances that prohibit illicit discharges such as wastewater, fuels, oils, soaps, solvents, etc. and requires construction site operators to implement appropriate erosion/sediment control BMPs and soil stabilization practices. Additionally, construction site operators are required to implement and maintain BMPs to minimize the discharge of pollutants from: equipment and vehicle washing, dewatering, wheel wash water, building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and any leaks/spills. Details regarding specific prohibited discharges and applicable sanctions are included in each ordinance.

The successfulness of the construction site stormwater runoff control program will be evaluated based on the accomplishment of all associated measurable goals.

4.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
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.	The permittee will conduct a review of their ordinances once per permit term and perform any necessary updates.
Prohibit discharges as described in Part IV.D.4(b)(2)	<p>Develop and maintain an ordinance or other regulatory mechanism to prohibit these discharges.</p> <p>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.</p>	The permittee will conduct a review of their ordinances once per permit term and perform any necessary updates.
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)	<p>Review and update site plan review procedures at least one time annually to address changes and make improvements to the established procedures where applicable.</p> <p>Implement site plan review procedures for 100% of new construction site plans received each year.</p>	The permittee will conduct 1 review annually of the plan review standard operating procedures and perform any necessary updates. Site plan review will be conducted annually for 100% of the applicable sites as identified in the standard operating procedures.
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.	The permittee will conduct 1 review annually of the inspection standard operating procedures and perform any necessary updates.

<p>Conduct construction site inspections as described in Part IV.D.4(b)(4)</p>	<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>	<p>The permittee will conduct inspections at a minimum of 80% of the applicable sites annually based on Part IV.D.4(b)(4) and detailed in their standard operating procedures.</p>
<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>	<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>The permittee will conduct 1 review annually of the standard operating procedures and perform any necessary updates.</p> <p>In addition, permittee will post the appropriate phone numbers on their stormwater website for the receipt of information submitted by the public.</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>	<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.</p>	<p>The permittee will provide 100% of the MS4 construction program staff with the appropriate training materials once per year.</p> <p>Interim Goal: Develop training materials prior to December 2025</p>

4.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
Regulatory Mechanisms	Once Per Permit Term	December 2027
Prohibited Discharges	Once Per Permit Term	December 2027
Site Plan Review Procedures	Annually	December 2025
Construction Inspection Procedures	Annually	December 2025
Construction Site Inspections	Annually	December 2025
Public Reporting Procedures	Annually	December 2025
MS4 Construction Program Staff Training	Annually	December 2026

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 5: Post Construction Stormwater Management in New Development/Redevelopment

5.A. Permit Requirements

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.

5.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The permittee's post construction stormwater management program consists of BMPs to control stormwater discharges from new development and redeveloped sites. Operators of applicable sites are required to design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality. Long-term maintenance of the structural controls owned and operated by the City of Groves will be conducted by the City. Operators of privately-owned structural controls will be required to file a maintenance plan with Jefferson County. The successfulness of the post construction stormwater management program will be evaluated based on the accomplishment of all associated measurable goals.

5.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
<p>Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.5(a)(2)</p>	<p>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</p>	<p>The permittee will conduct a review of their ordinances once per permit term and perform any necessary updates.</p>
<p>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)</p>	<p>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.</p>	<p>The permittee will enforce their regulatory mechanisms throughout the permit term and maintain records of 100% of all enforcement actions.</p>
<p>Ensure the long term operation and maintenance of structural stormwater control measures installed as described in Part IV.D.5(b)(2)</p>	<p>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 requirements 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.</p>	<p>The permittee will develop and implement a maintenance plan annually for 100% of the post-construction stormwater controls that they own/operate. The permittee will require maintenance plans for 100% of privately owned post-construction stormwater controls associated with new development or redeveloped sites. Owners/operators will be required to maintain documentation of 100% of the maintenance they perform.</p>

5.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
Regulatory Mechanisms	Once Per Permit Term	December 2027
Enforcement Actions	Annually	December 2027
Long Term Operation and Maintenance	Annually	December 2027

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 6: Pollution Prevention and Good Housekeeping for Municipal Operations

6.A. Permit Requirements

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.

6.B. Program Overview

The permittee has assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

The Pollution Prevention and Good Housekeeping for Municipal Operations minimum control measure consists of BMPs that focus on employee training and on the prevention or reduction of pollutant runoff from municipal operations. City employees responsible for municipal operations will be provided training materials that focus on procedures for reducing the discharge of pollutants from their routine operation and maintenance activities.

The permittee implements good housekeeping measures and non-structural BMPs that reduce the discharge of pollutants from the following municipal operations:

- Park and open space maintenance
- Street, road, or highway maintenance
- Fleet and building maintenance
- Storm sewer system maintenance
- New construction and land disturbances
- Municipal parking lots
- Vehicle/equipment maintenance and storage yards
- Salt/sand storage locations

Within the urban area, the permittee does not operate or maintain the following municipal operations:

- Waste transfer stations

The successfulness of the pollution prevention and good housekeeping program will be evaluated based on the accomplishment of all associated measurable goals.

6.C. Best Management Practices and Measurable Goals

BMP	Measurable Goals	Explanation
Permittee-owned facilities and control inventory as described by Part IV.D.6(b)(1)	<p>Develop and maintain an annual inventory for 100% of the small MS4 owned and operated facilities and controls in the small MS4 area.</p> <p>Review and update the inventory at least one time annually to address changes or additions to the facilities and controls where applicable.</p>	The permittee will annually maintain an inventory of 100% of the facilities and stormwater controls that each permittee owns and operates within the urban area. The permittees will conduct a review of their inventories once per year and perform any necessary updates.
<p>Training and Education as described in Part IV.D.6(b)(2)</p> <p>Training may be conducted in person or using self-paced training materials such as videos or reading materials</p>	<p>Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices.</p> <p>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.</p>	<p>The permittee will provide 100% of the MS4 pollution prevention/good housekeeping staff with the appropriate training materials once per year.</p> <p>Interim Goal: Develop training materials prior to December 2025</p>
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.	The permittee will annually conduct 1 review of the standard operating procedures for waste disposal and ensure that all waste is properly disposed.
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>	The permittee will annually conduct 1 review of the contractor oversight standard operating procedures and perform any necessary updates. Executed contractor oversight agreements will be maintained and provided for review when requested.

<p>Assessment of permittee-owned operations as described in Part IV.D.6.(b)(5)a.</p>	<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. 	<p>The permittee will conduct and document one annual review to evaluate 100% of their O&M activities for their potential to discharge pollutants in stormwater.</p>
<p>Identify pollutants of concern as described in Part IV.D.6.(b)(5)b.</p>	<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>	<p>The permittee will develop and maintain a list of 100% of the pollutants of concern that could be discharged from their O&M activities. The list will be reviewed once per year and updated as necessary.</p>
<p>Pollution Prevention Measures as described in Part IV.D.6.(b)(5)c.</p>	<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. 	<p>The permittee has elected to develop and implement the two following pollution prevention measures:</p> <ul style="list-style-type: none"> - 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 - Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.

<p>Inspection of Pollution Prevention Measures as described in Part IV.D.6.(b)(5)d.</p>	<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 request.</p>	<p>The permittee will conduct 1 inspection annually of the pollution prevention measures selected in the BMP above. The standard operating procedures associated with the pollution prevention measures will be reviewed at the time to the inspection and updated as necessary. A log of the inspections will be maintained and made available upon request.</p>
<p>Structural Control Maintenance as described by Part IV.D.6.(b)(6)</p>	<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>	<p>If the permittee utilizes structural controls at their municipal facilities, the controls will be inspected and maintained (if necessary) once per year. Structural control standard operating procedures will be reviewed and updated as necessary annually.</p>

6.D. BMP Implementation Schedule and MS4 Responsibilities

BMP Implementation Schedule

BMP	Frequency of Action	Implementation Date
MS4 Facility Inventory	Annually	December 2025
Employee Training Program	Annually	December 2026
Waste Disposal Procedures	Annually	December 2026
Contractor Oversight Procedures	Annually	December 2026
Operation and Maintenance Activities	Annually	December 2026
Pollutants of Concern	Annually	December 2025
Pollution Prevention Measures	Annually	December 2027
Pollution Prevention Measure Inspections	Annually	December 2027
Structural Control Maintenance	Annually	December 2027

*BMPs that are implemented on an annual basis will be conducted prior to December 31st of each year, beginning on the year identified in the table above.

MS4 Responsibilities

The permittee is entirely responsible for implementing the BMPs and meeting the measurable goals established in this section of the SWMP. The permittee has agreed to limit the implementation of their BMPs to the boundaries of their MS4 within the urban area.

Section 7: Industrial Stormwater Sources

7.A. Permit Requirements

Permittees who operate level 4 small MS4s shall identify and control pollutants in stormwater discharges to the small MS4 from 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. The program must include priorities and procedures for inspections and for implementing control measures for such discharges.

7.B. Program Overview

N/A - only applies to Level 4 Small MS4s

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

8.A. Permit Requirements

The development of this MCM for construction activities, where the small MS4 is the 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 this measure will be authorized to discharge stormwater and certain non-stormwater from construction activities where the MS4 operator meets the definition of a construction site operator in Part I of this general permit. When developing this measure, permittees are required to meet all requirements of, and be consistent with, applicable effluent limitation guidelines for the Construction and Development industry (40 CFR Part 450), TPDES CGP TXR150000, and Part III.B.3 of this permit. The authorization to discharge under this MCM is limited to the regulated area, such as the portion of the small MS4 located within an UA 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 that is submitted with the NOI for permit coverage. If this MCM is developed after submitting the initial NOI, a 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 an individual TPDES permit.

8.B. Program Overview

The permittees have elected **NOT** to utilize the optional 8th MCM.

Section 9: Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements

9.A. Permit Requirements

Discharges of the pollutant(s) of concern 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 within its permitted area has been added to the latest EPA approved 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 Part III. Sections A and B of TPDES General Permit TXR040000, and shall assess the progress in controlling those pollutants.

9.B. Program Overview

The permittee has conducted an assessment of the applicable stream segments and identified an impaired water body that receives MS4 discharges from their urban area. Our research indicates that the impairment for toxicity in sediment, and toxicity in water are all due to legacy pollutants that are directly related to past industrial discharges. The permittee has developed focused BMPs for the discharges to the impaired water bodies that target activities related to sanitary sewer systems, on-site sewer facilities, illicit discharges, illegal dumping, animal sources, and residential education. The permittees will conduct an annual review to determine if any water bodies within the regulated area have been added to the EPA 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). If during the course of the permit term a TMDL is developed and approved for a stream segment that did not have an existing TMDL, or a water body is listed as impaired, the permittee will begin implementation of the appropriate BMPs listed in this section. Table 9.1 includes a list of stream segments, current impairment status, pollutants of concern, and associated water quality benchmarks.

Table 9.1

Stream Segments	Impairment Status	Parameter(s)	Benchmark(s)/Waste Load Allocation	Applicable MS4s
Alligator Bayou - 0702A	303(d) list	toxicity in sediment; toxicity in water	N/A	City of Nederland