

STORMWATER MANAGEMENT PROGRAM (SWMP) COVER SHEET

This cover sheet MUST be attached to the front of the SWMP.

Operator

Operator name: City of Kennedale

Required Program Elements

The SWMP needs to include:

- BMPs and measurable goals that are clear, specific, and measurable,
- Annual Reporting Year selected, and
- Estimated population served by the MS4.

Legal Authorities

Include in the SWMP the list of local legal authorities (i.e., ordinance, rule) that the MS4 has adopted to implement any of the MCMs. List all and what MCM they each cover.

Minimum Control Measures

For each MCM, complete the table by entering the page number where the required element can be found in the SWMP

MCM 1: Public Education, Outreach, and Involvement

Table 1: Required Elements for MCM 1

MCM 1 Required Elements	SWMP page number
SWMP includes a stormwater education and outreach program to educate public employees, business, and the general public about hazards associated with the illegal discharges and improper disposal of waste and about the impacts stormwater can have on water quality, and steps they can take to reduce pollutants in stormwater	pp. 11-19
Clearly define the goals and objectives of the program based on high-priority community-wide issues	pp. 11-19
Identify the target audiences	pp. 11-19
Develop or use appropriate educational material	pp. 11, 13-14, 16, 18-19
Procedures to distribute educational material	pp. 11-19
Make the educational material available to the target audience at least annually	pp. 11, 17-18

MCM 1 Required Elements	SWMP page number
Post the SWMP and annual reports on the MS4's website, if the MS4 has a website	p. 18
Include the MS4's website address where the SWMP and annual reports will be found, if the MS4 has a website	p. 18
SWMP includes a program that complies with state and local public notice requirements	p. 9
Include public input in the implementation of the program	pp. 8-19
Include opportunities for citizen to participate in implementation of control measures	pp. 12, 14-15, 17
Ensure the public can easily can find information about the SWMP.	pp. 11, 14-15, 18
SWMP lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs could be stream-clean-ups, storm drain stenciling, volunteer water quality monitoring, brochures, billboards, and websites.	pp. 11-19
SWMP includes measurable goals that are clear, specific, and measurable, and the method of measurement, for addressing stormwater quality	pp. 11-19
SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from the general permit issuance date of January 24, 2019	pp. 11-19

MCM 2: Illicit Discharge Detection and Elimination

Table 2: Required Elements for MCM 2

MCM 2 Required Elements	SWMP page number
Description of the program that will be used to detect, investigate and eliminate illicit discharges. The program includes a plan to detect and address illicit discharges, including illegal dumping to the MS4 system.	pp. 20-27
MS4 map: The map includes: <ul style="list-style-type: none"> • Location of all small MS4 outfalls operated by the MS4 and that discharge into waters of the U.S.; • Location and name of all surface waters receiving discharge from the MS4s outfalls; • For Level 3 and 4 small MS4s: Location of MS4 owned or operated facilities and stormwater controls; and • For Level 4 small MS4s: Location of priority areas. 	pp. 23, Appendices
Methods for informing and training MS4 field staff	pp. 24, 26

MCM 2 Required Elements	SWMP page number
Procedures for tracing the source of an illicit discharge	pp. 24, 26, 27
Procedures for removing the source of the illicit discharge	pp. 25-27
Procedures to facilitate public reporting of illicit discharges or water quality impacts associated with discharges into or from the small MS4	p. 25
Procedures for responding to illicit discharges and spills	pp. 25-27
Procedures for inspections in response to complaints	p. 26
For Level 2, 3, and 4 small MS4: Procedures to prevent and correct leaking on-site sewage disposal systems	p. 26
For Level 3 and 4 small MS4s: Procedures for follow-up investigation to verify that the illicit discharge has been eliminated	p. 26
For Level 4 small MS4s: Procedures for identifying and creating a list of priority areas within the small MS4s likely to have illicit discharges	n/a
For Level 4 small MS4s: Procedures for a dry weather field screening program to assist in detecting and eliminating illicit discharges to the small MS4. Dry weather field screening consists of (1) field observations and (2) field screening.	n/a
For Level 4 small MS4s: Procedures to reduce the discharge of floatables in the small MS4	n/a
SWMP lists BMPs used to fulfill this MCM. Examples of possible BMPs could be hazardous materials disposal opportunities, inspections of the storm sewer system, and dye testing.	pp. 23-27
SWMP includes measurable goals that are clear, specific, and measurable, and the method of measurement, for addressing stormwater quality	pp. 23-27
SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from the general permit issuance date of January 24, 2019	pp. 23-27

MCM 3: Construction Site Stormwater Runoff Control

Table 3: Required Elements for MCM 3

MCM 3 Required Elements	SWMP page number
Program requires operators of construction sites one acre and greater (including larger common plan) to select, install, implement, and maintain stormwater control measures	pp. 28, 32
Description of 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	pp. 32-33

MCM 3 Required Elements	SWMP page number
Program requires construction site operators to implement BMPs for erosion and sediment control	pp. 32-33
Program requires construction site operators to have procedures for initiating and completing soil stabilization measures	pp. 32-33
Program requires construction site operators to implement BMPs to control pollutants from equipment and vehicle washing and other wash waters	pp. 33-34
Program requires construction site operators to implement BMPs to minimize exposure to stormwater of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials	pp. 32, 34
Program requires construction site operators to implement BMPs to minimize the discharge of pollutants from spills and leaks.	p. 34
Program ensures that the construction site has developed a stormwater pollution prevention plan in accordance with the TPDES Construction General Permit TXR150000	p. 33
Program prohibits illicit discharges such as wash out wastewater, fuels, oils, soaps, solvents, and dewatering activities	p. 34
Procedures for construction site plan review to consider water quality impacts	p. 34
Procedures for construction site inspections and enforcement of control measures, to the extent allowable under state and local law	p. 34
Procedures for receipt and consideration of information submitted by the public	p. 25
Procedures for MS4 staff training	pp. 35-36
For Level 3, and 4 small MS4s: Procedures to develop and maintain an inventory of all permitted active public and private construction sites greater than one acre (and sites that are less than one acre if part of larger common plan of development or sale)	p. 33
SWMP lists BMPs used to fulfill this MCM. Examples may include: notification to discharger of responsibilities under TPDES CGP; hire staff to review construction site plans; provide a web page for public input on construction activities; perform site inspections and enforcement; provide education and training for construction site operators; and mechanism to prohibit discharges into MS4 where necessary.	pp. 32-36
SWMP includes measurable goals that are clear, specific, and measurable, and the method of measurement, for addressing stormwater quality	pp. 32-36

MCM 3 Required Elements	SWMP page number
SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from the general permit issuance date of January 24, 2019	pp. 32-36

MCM 4: Post Construction Stormwater Management in New Development and Redevelopment

Table 4: Required Elements for MCM 4

MCM 4 Required Elements	SWMP page number
Description of a program that will be developed, implemented and enforced, to control stormwater discharges from private and public new development and redeveloped sites that discharge into the small MS4 that disturb one acre or more (and sites that disturb less than one acre that are part of a larger common plan of development or sale)	pp. 39-40
Description of ordinance or other regulatory mechanism that is in place or planned which will regulate discharges from new development and redevelopment projects	pp. 39-40
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	p. 39
Procedures to document and maintain records of enforcement actions	pp. 39-40
Procedures to ensure long-term operation and maintenance of post construction stormwater control measures	p. 40
Operation and maintenance of post construction stormwater control measures is documented	p. 40
For Level 4 small MS4s: Develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained. Inspections must be documented	n/a
SWMP lists BMPs used to fulfill this MCM. Examples may include: local ordinance in place or planned; guidance document for developers to use; specific BMPs established for particular watersheds; list of appropriate BMPs provided to operators; elimination of curbs and gutters; incentives for use of permeable choices, such as porous pavement; requirements for wet ponds or other BMPs for certain size sites; and xeriscaping.	pp. 39-41
SWMP includes measurable goals that are clear, specific, and measurable, and the method of measurement, for addressing stormwater quality	pp. 39-41

MCM 4 Required Elements	SWMP page number
SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from the general permit issuance date of January 24, 2019	pp. 39-41

MCM 5: Pollution Prevention and Good Housekeeping for Municipal Operations

Table 5: Required Elements for MCM 5

MCM 5 Required Elements	SWMP page number
Description of an operation and maintenance (O&M) program, including an employee training component, to reduce/prevent pollution from municipal activities and municipally owned areas included 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	pp. 42-44, 48
Develop and maintain an inventory of facilities and stormwater controls that are owned or operated by the MS4	p. 45
Procedures to inform or train staff involved in implementing pollution prevention and good housekeeping practices. Maintain training attendance records	p. 46
Procedures to remove and properly dispose of waste from the MS4	p. 46
Contractors hired by the MS4 must be required to comply with operating procedures. Develop contractor oversight procedures	p. 47
Evaluate O&M activities for their potential to discharge pollutants in stormwater for road and parking lot maintenance, bridge maintenance, cold weather operations, right-of-way maintenance, etc.	p. 48
Identify pollutants of concern that could be discharged from the O&M activities	p. 48
Develop and implement pollution prevention measures that will reduce discharge of pollutants from O&M activities	p. 48
Conduct inspections of pollution prevention measures and maintain inspection log	p. 48
Procedures for inspecting and maintaining structural controls	pp. 45-48
For Level 3 and 4 small MS4s: Develop and implement an O&M program to reduce the collection of pollutants in catch basins and other surface structures in the storm sewer system	p. 48

MCM 5 Required Elements	SWMP page number
For Level 3 and 4 small MS4s: Develop a list of potential problem areas in the storm sewer system for increased inspection (for example, areas with recurring illegal dumping)	n/a
For Level 3 and 4 small MS4s: Implement an O&M program to reduce discharge of pollutants from roads that includes at least a street sweeping and cleaning program, or inlet protection. The program includes an implementation schedule and a waste disposal procedure	n/a
For Level 3 and 4 small MS4s: Assess its facilities for their potential to discharge pollutants into stormwater and identify high priority facilities that have a high potential to generate stormwater pollutants. At a minimum, facilities include the MS4s 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. Document the results of the assessments	n/a
For Level 3 and 4 small MS4s: Develop facility specific stormwater management Standard Operation Procedures for high priority facilities	n/a
For Level 3 and 4 small MS4s: MS4 implements stormwater controls at high priority facilities that address good housekeeping; de-icing and anti-icing storage; fueling operations and vehicle maintenance; equipment and vehicle washing	p. 47
For Level 3 and 4 small MS4s: Develop and implement an inspection program that includes high priority facilities	p. 45
For Level 4 small MS4s: Develop an application and management program for pesticides, herbicides, and fertilizers used at public open spaces. Implement the following: educational activities, permits, etc for applicators and distributors; encourage of non-chemical solutions for pest management; develop schedules that minimizes discharge of pollutants; ensure collection and proper disposal of unused pesticides, herbicides, and fertilizers	n/a
For Level 4 small MS4s: Evaluate flood control projects. Design, construct, and maintain new flood control structures to provide erosion prevention and pollutant removal from stormwater. Retrofitting of existing structural flood control devices is implemented to the maximum extent practicable (MEP)	n/a
SWMP lists BMPs used to fulfill this MCM. Examples may include: BMPs which address fleet vehicle maintenance/washing; BMPs which address parking lot and street cleaning; catch basin and storm drain system cleaning; landscaping and lawn care (e.g. xeriscaping); waste materials management; road salt application and storage practices; used oil recycling; pest management practices; fire training facilities; BMPs which address roadway and bridge maintenance; golf course maintenance/waste	pp. 45-48

MCM 5 Required Elements	SWMP page number
disposal; disposal of cigarette butts; and park maintenance (e.g., providing trash bags).	
SWMP includes measurable goals that are clear, specific, and measurable, and the method of measurement, for addressing stormwater quality	pp. 45-48
SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from the general permit issuance date of January 24, 2019	pp. 45-48

MCM 6: Industrial Stormwater Sources

Table 6: Required Elements for MCM 6

MCM 6 Required Elements	SWMP page number
For Level 4 MS4 only: Identify and control industrial stormwater sources that at least includes the MS4's landfills; other treatment, storage, or disposal facilities for municipal waste; hazardous waste treatment, storage, disposal and recovery facilities; and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA).	n/a
For Level 4 MS4 only: Procedures for inspecting and implementing control measures for discharges from industrial stormwater sources.	n/a

Optional MCM 7: Municipal Construction Activities

This MCM is only applicable where the small MS4 has selected to be the construction site operator for their municipal construction activities. This MCM provides an alternative to the MS4 operator seeking discharge authorization under the Construction Stormwater General Permit TXR150000.

Table 7: Required Elements for MCM 7

MCM 7 Required Elements	SWMP page number
Description of how municipal construction activities will be conducted so as to take into consideration local conditions of weather, soils, and other site specific considerations	n/a
Description of the area that this MCM will address and where the MS4 operator's municipal construction activities are covered (e.g. within the boundary of the urbanized area, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary)	n/a

MCM 7 Required Elements	SWMP page number
If the area included in this MCM includes areas outside of the UA, then all MCMs (MCM 1 through MCM 7) will be implemented over those additional areas as well	n/a
Description of how contractor activities will be supervised or overseen to ensure that the Stormwater Pollution Prevention Plan (SWP3) requirements are properly implemented at the construction site(s); or how the MS4 operator will make certain that contractors have a separate authorization for stormwater discharges if needed	n/a
General description of how a construction SWP3 will be developed for each municipal construction site	n/a
Records of municipal construction activities authorized under this optional MCM	n/a



Notice of Intent (NOI) for Small Municipal Separate Storm Sewer Systems (MS4) authorized under TPDES Phase II MS4 General Permit TXR040000

IMPORTANT:

Use the [INSTRUCTIONS](#) to fill out each question in this form.

Once approved, your permit authorization can be viewed at:

<http://www.tceq.texas.gov/goto/wq-dpa>

APPLICATION FEE:

You must pay the **\$400** Application Fee to TCEQ for the application to be complete.

Payment and NOI must be mailed to separate addresses.

You can pay online at: <http://www.tceq.texas.gov/goto/epay>

Select Fee Type: GENERAL PERMIT MS4 PHASE II STORMWATER DISCHARGE NOI
APPLICATION

Provide your payment information below, for verification of payment:

Mailed Check/Money Order Number: #232405

Check/Money Order Amount: \$400

Name Printed on Check: TCEQ

EPAY Voucher Number:

Is a copy of the Payment Voucher enclosed? Yes

**One (1) copy of the NOI, Stormwater Management Program (SWMP) cover sheet,
and SWMP MUST be submitted with the original NOI, SWMP cover sheet, and
SWMP.**

Is the copy attached? Yes

REASON FOR APPLICATION:

Select the reason you are submitting this application:

New authorization

Renewal of authorization number: TXR040006

Note: An authorization cannot be renewed after July 23, 2019

Section 1. OPERATOR (Applicant)

- a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? CN 600684336
- b) What is the exact Legal Name of the entity (applicant) applying for this permit?
City of Kennedale
- c) Complete and attach a Core Data Form (TCEQ-10400) for this customer.

Section 2. ANNUAL BILLING CONTACT

The operator is responsible for paying the annual water quality fee. The annual fee will be assessed to permits active on September 1 of each year. TCEQ will send a bill to the address provided in this section. The operator is responsible for terminating the permit when it is no longer needed.

Provide the name and contact information of the billing contact.

Prefix (Mr. or Ms.): Mr.

First and Last Name: Larry Hoover

Title: Director of Public Works

Organization Name: City of Kennedale

Phone Number: 817-985-2170

Fax Number: 817-985-2115

Email: lhoover@cityofkennedale.com

Mailing Address: 405 Municipal Drive

City, State, and Zip Code: Kennedale, TX 76060

Section 3. APPLICATION CONTACT

This is the person TCEQ will contact if additional information is needed about this application.

Provide the name and contact information of the application contact.

Prefix (Mr. or Ms.): Mr.

First and Last Name: Larry Hoover

Title: Director of Public Works

Organization Name: City of Kennedale

Phone Number: 817-985-2170

Fax Number: 817-985-2115

Email: lhoover@cityofkennedale.com

Mailing Address: 405 Municipal Drive

City, State, and Zip Code: Kennedale, TX 76060

Section 4. REGULATED ENTITY (RE) INFORMATION FOR SITE

- a) If this is an existing permitted site, what is the Regulated Entity Number (RN) issued to this site? RN 105474878
- b) Name of site as known by the local community:
City of Kennedale MS4
- c) Name of the urbanized area(s) the Phase II MS4 is located within:
City of Kennedale
- d) Provide a brief description of the regulated MS4 boundaries: *Example: Area within the City of XXXX limits that is located within the xxx urbanized area:*
Area within the city of Kennedale limits that is located within the Dallas-Fort Worth-Arlington urbanized area

Section 5. GENERAL CHARACTERISTICS

- a) Is this site located on Indian Country Lands?
- Yes, do not submit this form. You must obtain authorization through U.S. EPA Region 6.
- No, continue to item b
- b) Has TCEQ formally “designated” the small MS4 as needing coverage under this general permit?
- Yes. Attach a copy of the documentation sent to the MS4 by TCEQ.
- No
- c) Select the MS4 level, which is based on the population served within the urbanized area (UA) **based on the most recent Decennial Census at the time of issuance of the general permit.**
- Level 1:** Traditional small MS4s with a population of less than 10,000.
- Level 2:** Traditional small MS4s with a population of at least 10,000 but less than 40,000.
- Non-traditional MS4s: This level also includes all non-traditional small MS4s regardless of population unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage. *Examples of non-traditional small MS4s include counties, drainage districts, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts, and other special districts.*
- Level 3:** Traditional small MS4s with a population of at least 40,000 but less than 100,000.
- Level 4:** Traditional small MS4s with a population of 100,000 or more.
- d) What is the estimated current population served by your MS4 (regulated area?)
7,000 People

e) Is the MS4 part of a coalition?

Yes

No

f) If yes, list the entity names of the coalition members responsible for implementation of the SWMP *and* their unique TXR04#### number.

1. TXR04
2. TXR04
3. TXR04
4. TXR04
5. TXR04
6. TXR04

If needed, add a copy of this page to add more entities.

g) What is your annual reporting year?

Calendar year

Small MS4 General Permit year

MS4 Fiscal year - What is the last month and day of the fiscal year?

h) Stormwater Management Program (SWMP)

1. I certify that the SWMP submitted with this NOI has been developed according to the provisions of the Small MS4 General Permit TXR040000. Yes
2. I certify that the SWMP Cover Sheet is completed and attached to the front of the SWMP. Yes
3. Have the program elements in the previous SWMP been re-assessed and modified and new program elements been developed and implemented, as necessary?
 Yes
 No. This facility did not have a previous authorization.
4. Is the optional 7th Minimum Control Measure (MCM) for Municipal Construction Activities selected and included with the attached SWMP?
 No. Continue to Question 5.
 Yes.
If yes, is MCM 7 limited to the regulated area within the urbanized area?
 Yes. Continue to Question 5.
 No

If No, then MCM 7 is included in the geographic area or boundary outside of the urbanized area. Note: In this case, you must incorporate the entire area (urbanized and non-urbanized areas) in the SWMP and implement all MCMS 1-

7 in the urbanized and non-urbanized areas.

5. Provide the name and contact information of the person responsible for implementing or coordinating implementation of the SWMP.

Prefix (Mr. or Ms.): Mr.

First and Last Name: Larry Hoover

Title: Director of Public Works

Organization Name: City of Kennedale

Phone Number: 817-985-2170

Fax Number: 817-985-2115

Email: lhoover@cityofkennedale.com

Mailing Address: 405 Municipal Drive

City, State, and Zip Code: Kennedale, TX 76060

i) Discharge Information

1. What is the name of the waterbody(ies) receiving stormwater discharges from the MS4? Village Creek and Kee Branch
2. What is the classified segment number(s) that the discharges will eventually reach? Lake Arlington (Segment #0828)

Does the small MS4 discharge directly or indirectly into the classified segment(s)?

Directly

Indirectly

3. Are any of the waterbody(ies) receiving discharges from the small MS4 identified as impaired waters (Category 4 or 5) in the *Texas Integrated Report of Surface Water Quality*?

Yes

What is the name of the impaired waterbody(ies) receiving the discharge from the small MS4? Lower West Fork Trinity River (Segment #0841)

What is/are the pollutants(s) of concern? Bacteria, dioxin, and PCBs

No

4. Does the impaired water body(ies) have a TMDL (Category 4 waterbody)?

Yes

What is/are the pollutants with a TMDL?

No

5. Does your MS4 discharge into any other MS4 entity's jurisdiction prior to discharge into water in the state?

Yes

What is the name of the MS4 operator?

No

6. Edwards Aquifer Rule

Is the discharge or potential discharge within the Recharge Zone, Contributing Zone, within the Contributing Zone within the Transition Zone, or zero to ten (0 to 10) miles upstream of the Recharge Zone of the Edwards Aquifer?

Yes - **NOTE: A copy of the agency approved Water Pollution Abatement Plan (WPAP) required by the Edwards Aquifer Rule (30 TAC Chapter 213) must be either included or referenced in the SWMP.**

No

- j) Public Participation Process

1. Provide the name and contact information of the person responsible for publishing notice of the executive director's preliminary determination on the MS4's NOI and SWMP?

Prefix (Mr. or Ms.): Mr.

First and Last Name: Larry Hoover

Title: Director of Public Works

Company: City of Kennedale

Phone Number: 817-985-2170

Fax Number: 817-985-2115

Email: lhoover@cityofkennedale.com

Mailing Address: 405 Municipal Drive

Internal Routing (Mail Code, Etc.):

City, State, and Zip Code: Kennedale, TX 76060

2. Provide the name and location of the public place where copies of the NOI, SWMP, Small MS4 General Permit TXR040000, and general permit fact sheet may be viewed and copied by the public?

Name of Public Place: City Hall

Address of Public Place: 405 Municipal Drive, Kennedale, TX 76060

County of Public Place: Tarrant

3. Provide the address for the website where the MS4's SWMP and annual report will be posted. <https://www.cityofkennedale.com/525/Stormwater-Program>

Do not have a website.

Section 6. CERTIFICATION

I certify that I have obtained a copy and understand the terms and conditions of the Phase II (Small) MS4 General Permit TXR040000 issued January 24, 2019.

Yes

I certify that the small MS4 qualifies for coverage under the Phase II (Small) MS4 General Permit TXR040000.

Yes

I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.

Yes

I understand that authorizations active on September 1st of each year will be assessed an Annual Water Quality Fee.

Yes

Operator Certification

Operator Signatory Name: George Campbell

Operator Signatory Title: City Manager

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

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature (use blue ink):



Date:

7/16/19

Texas Commission on Environmental Quality General Permit Payment Submittal Form

Use this form to submit your Application Fee only if you are mailing your payment.

- Complete items 1 through 5 below.
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your NOI form.
- Do not mail this form to the same address as your NOI.

Mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Fee Code: GPA

General Permit: TXR040000

1. Check / Money Order No:
2. Amount of Check/Money Order:
3. Date of Check or Money Order:
4. Name on Check or Money Order:
5. NOI INFORMATION

If the check is for more than one NOI, list each Project/Site (RE) Name and Physical Address exactly as provided on the NOI. DO NOT SUBMIT A COPY OF THE NOI WITH THIS FORM AS IT COULD CAUSE DUPLICATE PERMIT ENTRIES.

If more space is needed, you may attach a list.

Project/Site (RE) Name:

Project/Site (RE) Physical Address:

Staple Check in This Space

Instructions for Notice of Intent (NOI) for Small Municipal Separate Storm Sewer Systems (MS4) authorized under TPDES Phase II MS4 General Permit TXR040000

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI)

You are required to submit the original and one copy of the NOI, Core Data Form(s), Stormwater Management Program (SWMP) Cover Sheet, and the SWMP. Submit these documents to one of the following addresses:

BY REGULAR U.S. MAIL:

Texas Commission on Environmental Quality
ARP Team (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL:

Texas Commission on Environmental Quality
ARP Team (MC-148)
12100 Park 35 Circle
Austin, TX 78753

Fees Associated with this General Permit

The application fee of \$400 is required to be paid at the time the NOI is submitted. Failure to submit payment at the time the application is filed will cause delays in acknowledgment or denial of coverage under the general permit. Payment of the fee may be made by check or money order, payable to TCEQ, or through EPAY (electronic payment through the web).

Mailed Payments:

Use the attached General Permit Payment Submittal Form. The application fee is submitted to a different address than the NOI. Read the General Permit Payment Submittal Form for further instructions.

Where to Send the Payment

BY REGULAR U.S. MAIL:

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC 214
P.O. Box 13088
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL:

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC 214
12100 Park 35 Circle
Austin, TX 78753

ePAY Electronic Payment: <http://www.tceq.texas.gov/epay>

When making the payment you must select Water Quality, and then select the fee category "General Permit MS4 Phase II Stormwater Discharge NOI Application". You must include a copy of the payment voucher with your NOI. Your NOI will not be considered complete without the payment voucher.

Annual Water Quality Fee

This fee is assessed to permittees with an active authorization under the general permit on September 1 of each year. The designated billing contact will receive an invoice for payment of the annual fee in November of each year. The payment will be due 30 days from the invoice.

A 5% penalty will be assessed if the payment is not received by TCEQ by the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September 1.

It is important for the permittees to submit an NOT when coverage under the general permit is no longer required. An NOT is effective on the postmarked date of mailing the form to TCEQ. If the NOT is mailed it is recommended that the NOT be mailed using a method that documents the date mailed and received by TCEQ.

Mailed Payments:

You must return your payment with the billing coupon provided with the billing statement.

ePAY Electronic Payment: <http://www.tceq.texas.gov/epay>

You must enter your account number provided at the top portion of your billing statement. Payment methods include American Express, MasterCard, Visa, and electronic check payment (ACH).

TCEQ Contact List

Small Business & Local Government Assistance	800-447-2827
Application – status and form questions:	512-239-4671
Technical questions:	512-239-4671
Environmental Law Division:	512-239-0600
Records Management - obtain copies of forms:	512-239-0900
Reports from databases (as available):	512-239-DATA (3282)
Cashier's office:	512-239-0357 or 512-239-0187

Notice of Intent Process

When your Core Data Form, NOI, and SWMP are received by the program, the form will be processed as follows:

Administrative Review: Each item on the form will be reviewed for a complete response. In addition, the operator's legal name must be verified with Texas Secretary of State as valid and active (if applicable). The address(s) on the form must be verified with the US Postal service as receiving regular mail delivery. Do not give an overnight/express mailing address.

Notice of Deficiency: If an item is incomplete or not verifiable as indicated above, a notice of deficiency (NOD) will be mailed to the operator. The operator will have 30 days to respond to the NOD. The response will be reviewed for completeness.

Technical Review of SWMP: The NOI and SWMP will be reviewed to verify compliance with the requirements in the general permit. More information may

be requested by phone or technical NOD letter mailed to the SWMP contact. When a determination is made that the SWMP meets the requirements of the general permit, the Executive Director's preliminary determination will be prepared and filed with the TCEQ Office of Chief Clerk (OCC).

Public Participation Process: The OCC will mail the Executive Director's preliminary determination to the public participation contact provided in the NOI. This individual must publish the notice in the newspaper of largest circulation in the county where the small MS4 is located.

The comment period begins on the first date the notice is published and ends 30 days later, unless a public meeting is held. If a public meeting is held, the comment period will end at the closing of the public meeting.

The applicant must submit a copy of the newspaper clipping and an affidavit signed by the newspaper staff to the OCC within 60 days of receiving the written instructions from the OCC.

If significant public interest exists, the executive director will direct the applicant to publish notice of the meeting and to hold the public meeting. The applicant must publish the notice of public meeting at least 30 days prior to the public meeting and hold the meeting in the county where the MS4 is located.

Acknowledgment of Coverage: An Acknowledgment Certificate will be mailed to the operator. This certificate acknowledges coverage under the general permit.

or

Denial of Coverage: Coverage may be denied if the operator fails to respond to the NOD, the response is inadequate, or the NOI and SWMP do not meet the requirements of the general permit. If coverage is denied, the operator will be notified.

General Permit

Coverage under the general permit begins upon approval of the NOI, Core Data Form, and SWMP by TCEQ and after the public notice process has been completed. You should have a copy of your general permit when submitting your application. You may view and print your permit for which you are seeking coverage, at the following website <http://www.tceq.texas.gov>. Search using keyword TXR040000.

General Permit Forms

The Notice of Intent (NOI), Notice of Termination (NOT), Notice of Change (NOC) and Core Data Form (including instructions) are available at the TCEQ web site <http://www.tceq.texas.gov>.

Change in Operator

An authorization under the general permit is not transferable. If the operator changes, the present permittee must submit a Notice of Termination (NOT) and the new operator must submit a Notice of Intent and a Core Data Form. The NOT, NOI and Core Data Form must be submitted no later than 10 days prior to the change in status.

INSTRUCTIONS FOR FILLING OUT THE FORM

Renewal of General Permit: Dischargers holding an active authorization under the expired General Permit are required to submit a NOI to continue coverage. The existing authorization number is required. If the authorization number is not provided or has been terminated, expired, or denied a new permit number will be issued.

This number will begin with TXR04. Do not use TXR040000, it is *the general permit* number *not your* authorization number.

Section 1. Operator (Applicant)

a) Customer Number (CN)

TCEQ assigns each customer a number that begins with CN, followed by nine digits. This is not a permit number, registration number, or license number. If the applicant is an existing TCEQ customer, the Customer Number is available at the following website: <http://www15.tceq.texas.gov/crpub/>. If the applicant is not an existing TCEQ customer, leave the space for CN blank.

b) Legal Name of Applicant

Provide the current legal name of the applicant. The name must be provided exactly as filed with the Texas Secretary of State, or on the legal documents forming the entity as filed with the county. If filed in the county, provide a copy of the legal documents showing the legal name.

c) Core Data Form

Complete and attach a Core Data Form (TCEQ-10400) for each customer.

Section 2. Annual Billing Contact

An annual fee is assessed to each operator holding an active authorization under the general permit on September 1 of each year.

Provide the contact name and complete mailing address where the annual fee invoice should be mailed. Verify the address with the USPS. It must be an address for delivery of regular mail, not overnight express mail.

The phone number should provide contact to the individual responsible for paying the annual fee.

The fax number and e-mail address are optional and should correspond to the individual responsible for paying the annual fee.

Section 3. Application Contact

Provide the name, title and contact information of the person that TCEQ can contact for additional information regarding this application. This contact may be a consultant or entity other than the applicant.

Section 4. Regulated Entity (RE) Information For Site

a) Regulated Entity Reference Number (RN)

The RN is issued by TCEQ to sites where an activity is regulated by TCEQ. This is not a permit number, registration number, or license number. Search TCEQ's Central Registry to see if the site has an assigned RN at

<http://www15.tceq.texas.gov/crpub/>. If this regulated entity has not been assigned an RN, leave this space blank.

b) Name of the Project or Site

Provide the name of the site or project as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity name.

c) Name of Urbanized Area

List the formal name of the urbanized area(s) where the MS4 is located using the 2010 U.S. Census maps referenced in Section 5. c) below. For example: Dallas-Fort Worth-Arlington Urbanized area.

d) Describe the boundaries of the regulated portion of the small MS4

Briefly describe the boundaries of the regulated portion of the small MS4.

Section 5. General Characteristics

a) Indian Country Lands

If your site is located on Indian Country Lands, the TCEQ does not have authority to process your application. Do not submit this application form to TCEQ. You must obtain authorization through EPA, Region 6, in Dallas.

b) TCEQ “Designated” Small MS4

A small MS4 that is outside of an urbanized area that is formally “designated” by TCEQ is eligible for coverage under this general permit. The small MS4 Operator must obtain authorization under this general permit or apply for coverage under an individual TPDES stormwater permit within 180 days of notification of their designation. If the small MS4 was already designated, please attach a copy of the documentation sent to the MS4 by TCEQ.

c) MS4 Level

The general permit defines MS4s by four different levels, based on the population served within the 2010 U.S. Census urbanized area (UA). “Population served” means the residential population within the regulated portion of the small MS4 based on the 2010 U.S. Census, except for non-traditional small MS4s that are classified as Level 2.

A reference map identifying the 2010 U.S. Census UAs can be found at www.epa.gov/npdes/urbanized-area-maps-tpdes-ms4-phase-ii-stormwater-permits.

Districts that did not have a population during the 2010 U.S. Census, are required to apply when their population exceeds the population threshold for permit coverage.

d) Estimated Population

List the current estimated population served by the MS4. This number will not be used to determine the Levels.

e) Coalitions of MS4 entities

Indicate if the MS4 is part of a coalition that share efforts in meeting any or all of the SWMP requirements.

f) Members of the Coalition

List the name of each member of the coalition *and* their unique Phase II MS4 authorization number.

g) Annual Reporting Year

The annual report must address the previous reporting year. The selected reporting year cannot be changed during the permit term.

- If the MS4 selects the calendar year, then the reporting year is from January 1 through December 31 of each year.
- If the MS4 selects the Phase II MS4 General Permit year, the reporting year is from the effective date of the general permit plus 365 days of each year.
- If the MS4 selects the fiscal year, the reporting year is from the first day of the MS4's fiscal year through the last day of the MS4's fiscal year. Provide the month and last day of the MS4's fiscal year.

h) SWMP

1. Certify, by selecting Yes, that the SWMP has been developed in accordance with the general permit requirements and is attached to this NOI.
2. Certify, by selecting Yes, that the SWMP Cover Sheet has been completed and is attached to the front of the SWMP.
3. If the MS4 was previously authorized under the general permit, the program elements in the previous SWMP must be re-assessed and modified. Additionally, new program elements must be developed. Do not submit the exact same SWMP that was previously submitted. Indicate that you have revised the previous SWMP, or that this is a newly regulated MS4.
4. Indicate if the MS4 is seeking coverage under this general permit for the optional MCM 7 for municipal construction activities where the MS4 meets the definition of "construction site operator".

If Yes, the SWMP must include the geographic area or boundary where MCM 7 will be implemented. If this area extends beyond the geographic area or boundary of the urbanized area, then all MCMs 1-7 must be implemented in the urbanized and non-urbanized areas. The MS4 operator can utilize MCM 7 only in areas that are in compliance with the SWMP's MCMs 1-7. If you do **NOT** incorporate the entire SWMP (MCMs 1-7) in the urbanized and the non-urbanized areas, then the MS4 cannot utilize only MCM 7 outside of the urbanized area.

If No, the MS4 can obtain this coverage at any time during the general permit term by submitting a Notice of Change.

5. Provide the name and contact information of the designated person responsible for implementing or coordinating implementation of the SWMP.

i) Discharge Information

1. Provide the name of all waterbodies that receive discharges from the MS4. The discharge eventually reaches a receiving waterbody such as a local stream or lake, possibly via a drainage ditch or even through another MS4 prior to reaching the waterbody. Please note that this general permit does not grant permission to use another MS4 as a conveyance of stormwater and certain non-storm water discharges along the discharge route.
2. Identify the classified segment number(s) that will eventually receive the

discharge. You can find classified segment numbers in the Atlas of Texas Surface Waters at: www.tceq.texas.gov/publications/gi/gi-316 or the Surface Water Quality (Segments) Viewer at: <https://www.tceq.texas.gov/gis/segments-viewer>

Indicate if the discharge is directly into the classified segment or if it reaches the classified segment after being discharged into another waterbody or MS4.

3. Indicate if any waterbodies receiving discharges are identified as impaired waters (Category 4 or 5) in the *Texas Integrated Report of Surface Water Quality*, which is available at:

http://www.tceq.texas.gov/waterquality/assessment/305_303.html.

If Yes, provide the name(s) of the impaired waterbodies and the pollutants of concern for those waterbodies. The pollutants of concern are the parameters for which the waterbody is impaired.

4. Indicate if the impaired waterbody has a TMDL and list the pollutants with a TMDL (Category 4 waterbody).
5. Indicate if the discharge is into any other MS4 entity's jurisdiction prior to reaching water in the state.
If Yes, provide the name of the MS4 operator that receives the discharge.

6. Edwards Aquifer Rule

Indicate if the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer. See maps on the TCEQ website to determine if the site is located within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer at

<https://www.tceq.texas.gov/permitting/eapp/viewer.html>.

If Yes, additional requirements may exist under the Edwards Aquifer Protection Program (30 TAC Chapter 213). For activities regulated under 30 TAC Chapter 213, any required plans must be included in the SWMP. Compliance with any Edwards Aquifer requirements is in addition to the requirements of this general permit.

j) Public Participation

1. Provide the name and contact information of the person responsible for publishing the public notice in the newspaper.
2. Provide the name and location of a public place where copies of the NOI, SWMP, General Permit, and permit fact sheet will be available to the public for viewing. Examples of public places include public libraries, city hall, municipal buildings, etc.
3. Provide the address for the website where the MS4's SWMP and annual report will be posted. Indicate if the MS4 does not have a website.

Section 6. Certifications

Failure to indicate "Yes" to ALL of the certification items may result in denial of coverage under the general permit. The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code §305.44.

IF YOU ARE A CORPORATION:

The regulation that controls who may sign an application form is 30 Texas Administrative Code §305.44(a), which is provided below. According to this code provision, any corporate representative may sign an NOI or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the NOI or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

IF YOU ARE A MUNICIPALITY OR OTHER GOVERNMENT ENTITY:

The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a), which is provided below. According to this code provision, only a ranking elected official or principal executive officer may sign an NOI or similar form. Persons such as the City Mayor or County Commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statutes under which your government entity was formed. An NOI or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a) (3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the NOI or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the Texas Commission on Environmental Quality's Environmental Law Division at 512-239-0600.

30 TEXAS ADMINISTRATIVE CODE §305.44. SIGNATORIES TO APPLICATIONS

(a) All applications shall be signed as follows.

(1) For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

(2) For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

(3) For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes

the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

SWMP Cover Sheet

The SWMP cover sheet must be completed and placed on the front of the SWMP. Both the SWMP cover sheet and the SWMP must be submitted with the complete NOI.

Provide the name of the MS4 operator.

For each MCM, complete the table by entering the page number (or page number range) where each required program element can be found in the SWMP.

Note: Some program elements are only required for certain MS4 levels. The tables clearly identify these MS4 level specific requirements. If one of these program element does not apply to the MS4 level for this facility, enter NA.

Additionally, MCM 7 is optional. If you selected “No” on the NOI Section 5.e.4 question, enter NA on Table 7.



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)
CN 600684336		RN 105474878

[Follow this link to search for CN or RN numbers in Central Registry**](#)

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		07/23/2019	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information		<input type="checkbox"/> Change in Regulated Entity Ownership	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
City of Kennedale					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
		17560030706		75-6003070	
				10. DUNS Number (if applicable)	
				786273904	
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
		<input type="checkbox"/> Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited			
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees			13. Independently Owned and Operated?		
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:					
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator		<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party		<input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:	
15. Mailing Address:	405 Municipal Drive				
	City	Kennedale	State	TX	ZIP 76060
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
			lhoover@cityofkennedale.com		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	
(817) 985-2170				(817) 985-2115	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
City of Kennedale	

23. Street Address of the Regulated Entity: (No PO Boxes)							
	City		State		ZIP		ZIP + 4
24. County							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	Area within the City of Kennedale limits that is located within the Dallas-Fort Worth-Alington urbanized area.							
26. Nearest City	City of Kennedale				State	TX	Nearest ZIP Code	76060
27. Latitude (N) In Decimal:	97.23			28. Longitude (W) In Decimal:	32.65			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
97	13	33.05	32	38	48.48			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)					
9111	N/A	921110	N/A					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
City								
34. Mailing Address:	405 Municipal Drive							
	City	Kennedale	State	TX	ZIP	76060	ZIP + 4	
35. E-Mail Address:		lhoover@cityofkennedale.com						
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)			
(817) 985-2170					(817) 985-2115			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

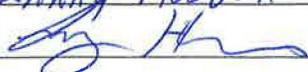
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR040006			
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Larry Hoover	41. Title:	Director of Public Works
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(817) 985-2170		(817) 985-2115	lhoover@cityofkennedale.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	city of Kennedale	Job Title:	Director of Public Works
Name (In Print):	LARRY HOOVER	Phone:	(817) 985-2170
Signature:		Date:	7-16-19

City of Kennedale, Texas Stormwater Management Program



Developed to comply with the requirements
of Texas Pollutant Discharge Elimination
System

General Permit No. TXR040000

Permit Term:

Beginning January 24, 2019

Prepared:

July 2019

Prepared By:



4000 Fossil Creek Boulevard

Fort Worth, Texas 76137

**July 2019
AVO 34452**

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APPENDIX A SWMP IMPLEMENTATION SCHEDULE

Acronyms

BMP	Best Management Practice
CWA	Clean Water Act
EPA	United States Environmental Protection Agency
ISWM	Integrated Stormwater Management
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NOC	Notice of Change
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
SWMP	Stormwater Management Program
SWPPP	Stormwater Pollution Prevention Plan
TCEQ	Texas Commission on Environmental Quality
TPDES	Texas Pollutant Discharge Elimination System
UA	Urbanized Area

1.0 INTRODUCTION

1.1 *Regulatory Requirement*

The U.S Environmental Protection Agency (EPA) issued regulations in 1999 to protect stormwater quality in small municipalities located in urbanized areas. In Texas, the Texas Commission on Environmental Quality (TCEQ) was delegated the responsibility for implementing the regulations, commonly called the Phase II Stormwater Program. TCEQ issued the first permit for stormwater discharges from Phase II communities, commonly called small municipal separate storm sewer systems (MS4s), under the Texas Pollutant Discharge Elimination System (TPDES) on August 13, 2007. The City of Kennedale (City) was one of several hundred small MS4s that was covered under this first permit through December 13, 2013. The General Permit was amended and renewed to cover small MS4 communities through December 13, 2018. With the expiration of this permit and subsequent amendment and renewal of the General Permit on January 24, 2019, the City is required to review and update its Stormwater Management Program (SWMP) to comply with the renewed permit. The updated SWMP is to be submitted to TCEQ prior to July 23, 2019. Existing program elements will be reviewed and revised as necessary. New program elements that are required by the renewed permit will be implemented over the permit term.

The City of Kennedale has revised and updated this SWMP to comply with the revised requirements of the TPDES General Permit No. TXR040000, dated January 24, 2019. The SWMP retains and continues the majority of the best management practices (BMPs) from the previous permit term and revises these BMPs to include any new or revised permit requirements. The City will implement these BMPs to reduce stormwater pollution to the "maximum extent practicable," as regulations require.

This SWMP sets measurable goals and provides a schedule for the implementation of the BMPs for each of the five minimum control measures (MCMs) that are required by the Phase II Rule. The five required MCMs are:

1. Public Education, Outreach, and Involvement;
2. Illicit Discharge Detection and Elimination;
3. Construction Site Stormwater Runoff Control;
4. Post-Construction Stormwater Management in New Development and Redevelopment;
5. Pollution Prevention and Good Housekeeping for Municipal Operations.

This program requires that the City of Kennedale:

- Reduce the discharge of pollutants to the maximum extent practicable (MEP);
- Protect water quality;
- Satisfy the appropriate water quality requirements of the Clean Water Act; and,
- Manage stormwater quality activities through the Stormwater Management Program (SWMP).

The City will review the implementation progress each year and modify the Stormwater Management Program as necessary. Annual updates will be provided to the TCEQ.

1.2 Water Quality

1.2.1 Stormwater and Water Quality in Texas

Stormwater affects the quality of water in urban lakes, rivers, neighborhood creeks, and storm drains. These drainageways, both natural and man-made, effectively remove stormwater runoff from urban areas. In Texas, storm drain systems are separate from sewage systems, and typically untreated stormwater runoff flows directly to the nearest waterbody. Any pollutants such as pesticides, oil, detergents, and bacteria that are present on urban land, streets, or other surfaces are also carried along.

The TCEQ is charged through federal mandate with protecting the quality of waters within the State. The TCEQ's approach to this mandate includes measuring water quality at locations across the state, determining if the quality in streams, lakes, and creeks is acceptable, and implementing plans to clean up water bodies that are negatively impacted.

The Texas Surface Water Quality Standards are rules designed to establish goals for water quality throughout the state and provide a basis for regulatory programs to attain those goals. Water quality standards serve to signal a situation where water quality may be inadequate to meet the use or uses of a particular water body. Four broad categories for water use are defined in Texas: aquatic life use, contact recreation, public water supply, and fish consumption. These are known as "designated uses." Most major rivers and streams in the State have been classified with designated uses but many smaller streams have not been classified and do not have associated designated uses.

Because it would be cost-prohibitive to test every water body for every possible pollutant, assessments of water quality in Texas are performed by evaluating indicators of water quality. Indicators are an indirect measure of the health or quality of a particular part of the aquatic system. Some indicators, such as the health of fish communities, are tied to specific designated uses, while others such as nutrients are not. Some of the most common indicators used by the TCEQ to determine the quality of water bodies include bacteria, dissolved oxygen, dissolved solids, metals, and organic substances.

If the indicator data published in the Texas Water Quality Inventory (305(b) report) reveal that water quality is inadequate to meet the goals of the water body's designated use, the TCEQ puts the water body on the State's 303(d) list. This list is required by the federal Clean Water Act and is submitted to EPA for approval. Water bodies put on the list are subject to a Total Maximum Daily Load (TMDL) assessment. The TMDL is an intensive assessment of the root cause of poor water quality and serves as the basis for development of a plan by local stakeholders to remediate pollution sources.

The renewed General Permit includes requirements for MS4s that are discharging to impaired waterbodies. Two conditions are included: 1) MS4s which discharge to impaired waters with an approved TMDL, and 2) MS4s which directly discharge to impaired waters in which a TMDL has not yet been approved. In the first condition, the MS4 need only be located within the contributing watershed to the waterbody with the approved TMDL. In the second condition, the MS4 must directly discharge into the impaired waterbody.

1.2.2 Water Quality in the Kennedale Area

In order to determine the most effective BMPs for the City of Kennedale, the background, water resources, and current land use were all taken into consideration. These factors were used to help guide the development of this stormwater management program and help influence what BMPs should be implemented to provide the best approach in reducing pollution in stormwater. This program was developed on what works best for Kennedale.

Kennedale is located in the north central Texas region within the limits of Tarrant County just south of Interstate 20 between south Fort Worth and Arlington. Kennedale is within the Fort Worth urbanized area and shares city boundaries with Arlington, Fort Worth, Forest Hill, and Tarrant County. Kennedale's city limits are identified in Figure 1. Kennedale is also located in the West Fork Trinity River basin. The main receiving stream for the City is Village Creek and Kee Branch. The State classified water bodies that ultimately receive the discharge from Kennedale are Lake Arlington (Segment #0828) which is classified as *Impaired* for recreational contact due to bacterial contamination. To address these concerns, Kennedale is participating in the Village Creek-Lake Arlington Watershed Protection Partnership to develop a Watershed Protection Plan. Stormwater from the Kennedale area also drains into the Lower West Fork Trinity River (Segment #0841), for which certain stream segments associated with this watershed are *Impaired* for Dioxin and PCBs in edible tissue.

The City of Kennedale is a growing city that incorporates approximately 6.7 square miles. Approximately 28% of the City is undeveloped and the primary land use within Kennedale is single family at 28% with industrial land use as the next highest category (18%), according to the Kennedale Comprehensive Plan. The 2010 census population of Kennedale was 6,673 and the current population is approximately 7,000.

2.0 PROGRAM OVERVIEW

2.1 Background Information for the City of Kennedale

The City of Kennedale, located in Tarrant County Texas, is part of the DFW Metropolitan area.

2.2 Stormwater Management Program Development

The City is required to revise its existing SWMP to describe additional actions for the next permit term to continue to reduce pollutants and protect receiving water quality. This SWMP also sets measurable goals and provides a schedule for the implementation of new BMPs over the permit term. Existing BMPs will be reviewed and continued as necessary.

The hydrology and water quality concerns of the City of Kennedale have been considered in developing this Stormwater Management Program. The Plan herein describes the development and implementation of the Stormwater Management Program. In preparing this Plan, the City of Kennedale has considered activities, both from the public and private sectors, that have stormwater impacts. Some of the municipal departments that have been identified as having stormwater impacts include Public Works, Police, Fire and Parks and Recreation.

This SWMP includes the five MCMs required by the TPDES program and the EPA Phase II Final Rule. Each of the five required MCMs includes a summary that outlines the TCEQ requirements for that component of the plan. The summary is followed by specific BMPs that include measurable goals and target dates, and the implementing responsibility within the City of Kennedale.

2.3 Public Review and Comment of the Stormwater Management Program

In accordance with the general permit TXR040000, Part II, Section E, Number 12, the SWMP will be available for review at the City Hall, located at 405 Municipal Drive, Kennedale, Texas 76060 and at the Public Library, located at 316 W Third Street, Kennedale, TX 76060.

2.4 Annual Reporting

The City of Kennedale will track BMP activities, results, and changes to the SWMP through an annual report that will be submitted to the TCEQ within 90 days of the end of each permit year. The annual report will include factors required by Part IV, Section B, Number 2 of the general permit, including the status of the compliance with permit conditions, assessments of BMPs, and any changes to the SWMP, as assessed to keep the City of Kennedale in compliance with the general permit conditions.

2.5 Recordkeeping and Tracking

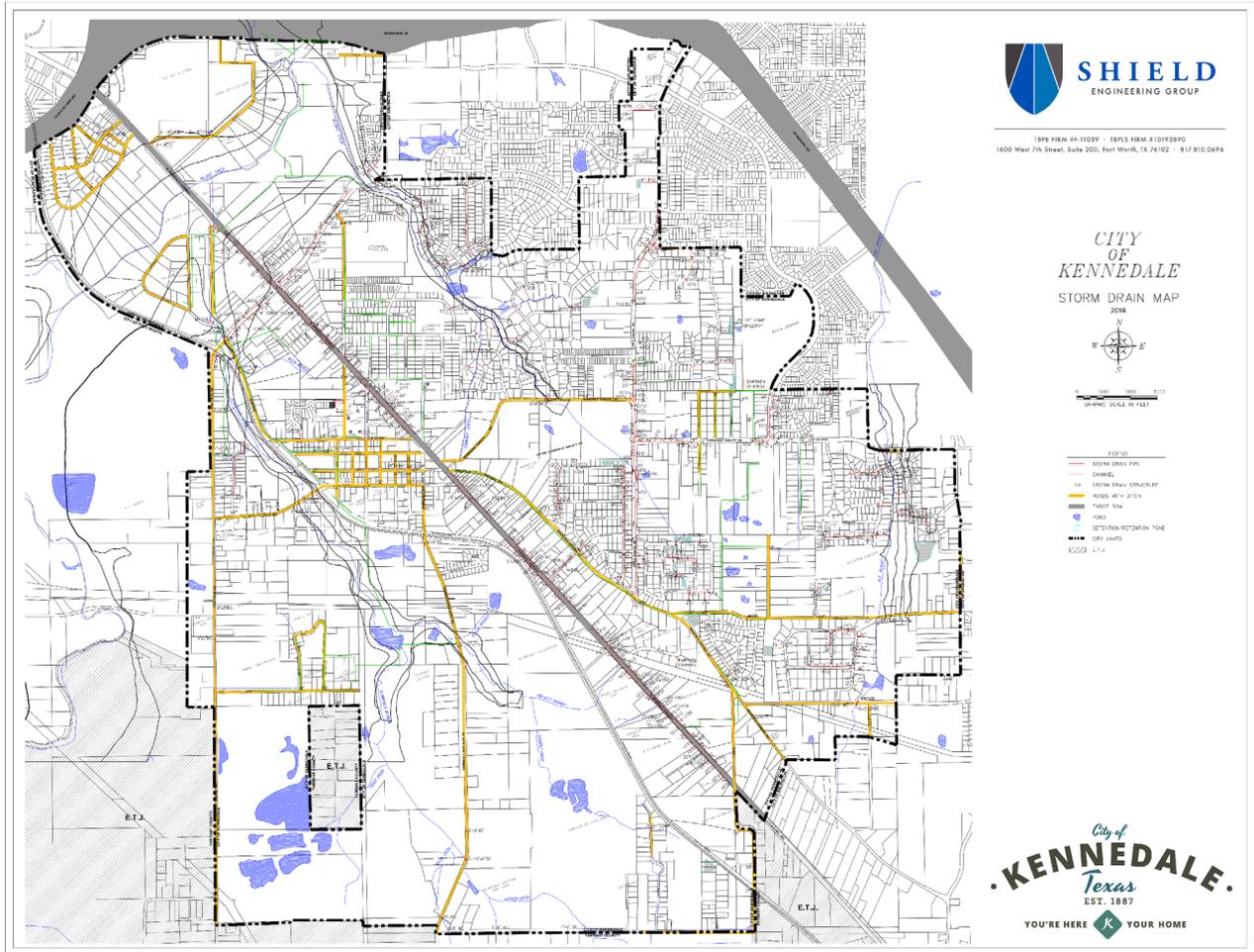
In accordance with the general permit TXR040000, Part IV, Section A, the City of Kennedale will retain all records, a copy of the TPDES general permit, and records of all data used to complete the application (NOI) for the general permit for a minimum of three years or the term of this

general permit, whichever is longer, and make this information available to the public if requested to do so in writing within 10 days of the request.

2.6 Responsibility

The City of Kennedale Public Works Department is responsible for implementing, updating and tracking progress towards the goals and objectives of this Stormwater Management Program.

TPDES Phase II MS4 General Permit
Stormwater Management Program
City of Kennedale, Texas



3.0 CITY OF KENNEDALE STORMWATER MANAGEMENT PROGRAM

This section recommends specific methods to implement during the next five years in order to develop stormwater management programs that match community priorities and also enable the City to comply with the TCEQ General Permit as an operator of a small MS4.

3.1 Introduction

The City of Kennedale's Stormwater Management Program must address the five MCMs outlined in TCEQ's General Permit TXR040000 for small municipal separate storm sewer systems (MS4s). As stated in Section 1, each MCM has permit requirements; actions that the City needs to take to maintain compliance with the TPDES General Permit.

The BMPs presented herein have been proposed because they are appropriate for the City of Kennedale's stormwater system. The BMPs are considered measurable, are anticipated to provide significant benefits in the City's stormwater quality and are achievable. Many of these BMPs build upon efforts initiated by the City as part of the previous SWMP. Kennedale is committed to a proactive approach to stormwater management in order to be good environmental stewards and to protect the community's health and welfare. Based on the General Permit's requirements and recommendations, the following recommended actions are categorized by the five Phase II Minimum Control Measures.

3.2 MCM1 Public Education, Outreach, and Involvement

Public education, outreach, and involvement can be accomplished in a number of different ways which makes it accessible to citizens. In the past, the City has found that the City website, print publications and brochures distributed at City Hall are effective ways to reach the City's residents.

The City of Kennedale recognizes the benefits of direct involvement in the City's stormwater program by members of the public. The City involves its residents by obtaining feedback from them in a number of established forums, including on-line communication, and public notices. Public involvement differs from public education in that it not only informs the public, but also provides opportunities for direct citizen action. When citizens participate in a project's decision-making process, they are more likely to support the final outcome. This plan describes ways in which the community can play an active role in developing and implementing the City's stormwater management program. An informed and involved public can be a valuable information resource and can help build compliance with the program. The public involvement and participation program is also a requirement of the TPDES program and EPA NPDES Phase II Final Rule.

General Permit Requirements:

(a) Public Education and Outreach

- (1) The City of Kennedale shall develop, implement, and maintain a comprehensive stormwater education and outreach program to educate public employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges can have on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater.

The City shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term. The program must, at a minimum:

- a. Define the goals and objectives of the program based on high priority community-wide issues (for example, reduction of nitrogen in discharges from the small MS4 or promoting previous techniques used in the small MS4);
- b. Identify the target audience(s);
- c. Develop or utilize appropriate educational materials, such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, and websites;
- d. Determine cost effective and practical methods and procedures for distribution of materials.

- (2) Throughout the permit term, the City of Kennedale shall make the educational materials available to convey the program's message to the target audience(s) at least annually.
- (3) The State requires that the City of Kennedale post its SWMP and the annual reports required under Part IV.B.2. or a summary of the annual report on the official City website. The SWMP must be posted no later than 30 days after the approval date, and the annual report no later than 30 days after the due date.
- (4) The City of Kennedale shall annually review and update the SWMP and MCM implementation procedures required by Part III.A.2., as necessary. Any changes must be reflected in the annual report. Such written procedures must be maintained, either on site or in the SWMP and made available for inspection by the TCEQ.

The City of Kennedale must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to demonstrate the resources used to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2 of the General Permit.

(b) Public Involvement

The City of Kennedale shall involve the public, and, at minimum, comply with any local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP, except that correctional facilities are not required to implement this portion of the MCM.

The City shall assess program elements that were described in permit, modify as necessary, and develop and implement new elements to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term. At a minimum, all permittees shall:

- (1) Consider using public input (for example, the opportunity for public meetings) in the implementation of the program;
- (2) Create opportunities for citizens to participate in the implementation measures, such as stream clean-ups, storm drain stenciling, volunteer "Adopt-A-Highway" programs, and educational activities
- (3) Ensure the public can easily find information about the SWMP.

The Texas Government Code Chapter 2051, Section 44 defines the requirements for a newspaper in which a public notice will be published as:

- (1) *The newspaper in which a notice is published must:*
 - i. *devote not less than 20 percent of its total column lineage to general interest items;*
 - ii. *be published at least once each week;*

- iii be entered as periodical postal matter in the county where published or have a mailed or delivered circulation of at least 51 percent of the residences in the county where published; and*
 - iv. have been published regularly and continuously for at least 12 months before the governmental entity or representative publishes notice.*
- (2) *A weekly newspaper has been published regularly and continuously under Subsection (b) if the newspaper omits not more than two issues in the 12-month period.*

Public meetings, if required, will be conducted according to the Texas Government Code Title 5, Chapter 551, Subchapter A.

BMP #1	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Fats, Oils, and Grease Education

Activity

Provide educational information and resources to the public and business owners about fats, oils, and greases.

Objective

To educate the public regarding proper disposal of fats, oils, and grease. Target audience is residents, including single family and multifamily and business owners.

Measurable Goals

Provide a link to FOG educational material on the City website. Make educational handouts available at City Hall. Provide at least one article in the City newsletter each year.

Document Retention

Retain a copy of all educational content on FOG as published on the City website as well as the copy of the article published in the City newsletter.

Helpful Suggestions	The TCEQ, EPA, and the North Central Texas Council of Governments all have information or brochures on fats, oils, and grease (FOG) that the City may choose to utilize.
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BMP #2	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Household Hazardous Waste (HHW) Program

Activity

Educate single family & multifamily households about household hazardous wastes (HHW) and locations for proper disposal.

Objective

Increase household awareness about the dangers of improperly disposed HHW and improve proper disposal practices.

Measurable Goals

Maintain the City's inter-local agreement with the City of Fort Worth for use of their environment Collection Center. Update existing educational HHW brochure as needed and track the number of brochures distributed annually at City Hall and with water utility bills.

Documentation Requirements

1) City brochure about HHW program; 2) newsletter article sent to all water utility customers describing the program.; 3) crud cruiser documentation

BMP #3	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Municipal Employee Training Program

Activity

Continue training program that includes seminars, in-house training sessions, new-employee training, videos, manuals or other means to inform and train municipal employees about methods to prevent and reduce stormwater pollution from municipal activities.

Objective

Public education for municipal employees about general stormwater issues and how to prevent them.

Measurable Goals

Train employees on pollution prevention techniques in municipal operations such as park and open space maintenance, new construction and land disturbance, storm sewer maintenance and fleet and building maintenance and update MS4 data collection with digital data tracking.

Document Retention

Sign in sheets for employee training, copy of new educational materials for fleet maintenance and other sectors above, digital MS4 data collection forms.

BMP #4	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	 KENNEDEALE You're Here, Your Home
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Pet Waste Management

Activity

Educational outreach encouraging residents to clean up after their pets.

Objective

Educate families living in single and multifamily structures about pet waste and proper disposal.

Measurable Goals

- Establish a Pet Waste Management Program in order to reduce the number of bacteria entering local streams and creeks via pet waste.
- Provide educational material about proper pet waste disposal online, in parks and at City Hall.
- Continue to provide pet waste bag stations at City parks.

Document Retention

Educational brochures, website content, location of pet waste bag stations, number of bags replaced at stations.

Helpful Suggestions	The TCEQ, EPA, and the North Central Texas Council of Governments all have various educational materials about pet waste that the City may choose to utilize.
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BMP #5	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Recycling Program

Activity

Invite businesses and residents to actively participate in recycling and provide a recycling drop-off location for the public's use.

Objective

To educate the public about recycling and other environmental and stormwater concerns and encourage resident and business involvement. Target audience is residents including single family and multifamily, businesses, and volunteer groups

Measurable Goals

- Provide a recycling program and invite residents and businesses to participate.
- Provide brochures on recycling services at City Hall.
- Educate the public about the benefits of recycling and advertise the program through articles on the website through a recycling education link.
- Track public use of the recycling drop-off center.

Document Retention

Recycling advertisements and brochures. Records on public use of the recycling drop-off center (potential data to collect includes number of drop-offs to the center, estimated weight diverted from landfills, etc.)

BMP #6	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	 KENNE DALE You're Here, Your Home
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Regional Cooperative Partnerships

Activity

Continue to maintain regional partnerships to improve public education and involvement with water quality protection.

Objective

Participate in regional development of stormwater education, outreach and involvement initiatives for single family and multifamily residents, businesses, and volunteer groups

Measurable Goals

- Provide funding to NCTCOG to aid in the development of stormwater program initiatives.
- Continue annual funding of NCTCOG stormwater program to produce and update stormwater management educational materials such as the Texas SmartScape website and various educational brochures and grant funded Household Hazardous Waste Programs.
- Continue to participate in Village Creek-Lake Arlington Watershed Protection Partnership to address issues associated with water quality impairments for bacteria in Village Creek and Lake Arlington.

Document Retention

Educational materials, training and outreach activities produced as a result of Regional Cooperative Partnerships.

BMP #7	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Storm Drain Inlet Marking

Activity

Label storm drain inlets with messages warning against dumping pollutants into the drainage system. Invite volunteer groups to participate in marking inlets throughout the City.

Objective

Public education and involvement about the impact of pollution entering into storm drains for residents, businesses, and visitors

Measurable Goals

- Invite the public to participate in a storm drain inlet marking program by advertising the program in annual newspaper articles and/or City website.
- Annually mark 25% of the City's inlets.
- Inspect storm drains and replace any missing markers.

Document Retention

Photo of storm drain marker, inventory of any storm drains marked throughout the year, number of missing or damaged markers replaced.

BMP #8	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Public Education on City Stormwater Management Program

Activity

A program providing general stormwater education to the public about the impact stormwater discharges can have on local waterways and steps the public can take to reduce pollutants in stormwater.

Objective

To provide stormwater BMP education and public involvement opportunities via the City's website to residents, children, businesses, industries.

Measurable Goals

- Provide a stormwater education web page on the City website that describes stormwater pollution runoff concerns and the purpose of the City's Stormwater Management Program.
- Post the SWMP on the City website: <https://www.cityofkennedale.com/525/Stormwater-Program>
- Post Annual Reports on the City website.
- Provide updates and helpful tips to home and business owners. Advertise the web page in an annual City newsletter.

Document Retention

Link to Stormwater Education page on City website as well as copies of periodic updates to the website including stormwater management articles and tips.

BMP #9	MINIMUM CONTROL MEASURE NO. 1 Public Education and Outreach	
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Water Conservation Practices for Homeowners

Activity

Provide public education about water conservation and invite the public to participate in conservation practices in their own homes.

Objective

Educate the public about the importance of water conservation. Target audience is residents, businesses, and industries

Measurable Goals

- Promote water conservation and reduce water waste from excessive lawn watering, particularly in drought periods, by using City website and water conservation initiatives.
- Track reduction in water usage when restrictions are in place.

Document Retention

Provide water conservation education for the public on the City website (Sources: EPA, Texas Water Development Board, NCTCOG, and Tarrant Regional Water District); Information about watershed protection and current issues in water quality, such as pharmaceutical contamination; Statistics on reduction in water waste when restrictions are in place; Lawn Whisperer flyer.

3.3 MCM2 Illicit Discharge Detection and Elimination

The City of Kennedale recognizes the potential for illicit discharges to the City's stormwater system and is committed to addressing these discharges. The BMPs in this section are targeted toward known and potential illicit discharges.

Non-stormwater discharges will be addressed on a case-by-case basis. Allowable non-stormwater discharges, as identified in Part II. C of the TPDES General Permit, are not required to be addressed by the minimum control measures unless they are determined by the City or TCEQ to be significant contributors of pollutants to the small MS4.

Permit Requirements

(a) Program Development

- (1) All permittees shall develop, implement, and enforce a program to detect, investigate, 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 MS4 system.*

Existing permittees must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of this permit term. (See also Part III.A.1(c)).

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

- a. An up to date MS4 map (see Part III.B.2.(c)(1));*
 - b. Methods for informing and training MS4 field staff (See Part III.B.2.(c)(2));*
 - c. Procedures for tracing the source of an illicit discharge (see Part III.B.2.(c)(5));*
 - d. Procedures for removing the source of the illicit discharge (see Part III.B.2.(c)(5));*
 - e. For Level 2, 3 and 4 small MS4s, if applicable, procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4;*
- (2) For non-traditional small MS4s, if illicit connections 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.*
 - (3) If another MS4 operator notifies the permittee of an illegal connection or illicit discharge to the small MS4, then the permittee shall follow the requirements specified in Part III.B.2.(c)(3).*

(4) All permittees shall review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2. Any changes must be reflected in the annual report. Such written procedures must be maintained, either on site or in the SWMP and made available for inspection by the TCEQ.

(b) Allowable Non-Stormwater Discharges

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

(c) Requirements for all Permittees

All permittees shall include the requirements described below in Parts III.B.2(c)(1)-(6)

(1) MS4 mapping

All permittees shall maintain an up to date MS4 map, which must be located on site and available for review by the 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;*
- c. Priority areas identified under Part III.B.2.(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 or illicit connection to the small MS4 as part of their normal job responsibilities. Training program materials and attendance lists must be maintained on site 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 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 phone number for complaints and spill reporting.

(4) All permittees shall develop and maintain on site procedures for responding to illicit discharges and spills.

(5) Source Investigation and Elimination

- a. Minimum Investigation Requirements – Upon becoming aware of an illicit discharge, all permittees shall conduct an investigation to identify and locate the source of such illicit discharge 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 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 where the permittees have jurisdiction to complete such an investigation. If the source of illicit discharge extends outside the permittee’s boundary, all permittees shall notify the adjacent permitted MS4 operator or TCEQ’s Field Operation Support Division according to Part III.A.3.b.*
- c. Corrective Action to Eliminate Illicit Discharge*
 - i. If and when the source of the illicit discharge 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.*

(6) Inspections

The permittee shall conduct inspections, as determined appropriate, in response to complaints, and shall conduct follow-up inspections as needed 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

BMP #10	MINIMUM CONTROL MEASURE NO. 2 Illicit Discharge Detection and Elimination	
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Storm Drainage System Map

Activity

Maintain an up-to-date storm drainage system map that includes identifying locations of storm drainage conveyances, all major outfalls and the names and locations of receiving waters.

Objective

Annually update the storm drainage system map using record drawings submitted for any new development or redevelopment projects.

Measurable Goals

- Maintain map of the storm drain system that includes locations of drainage conveyances, all city outfalls and names and locations of receiving waters of the U.S.
- Regularly update map with new storm drain locations when new development or public works projects are completed.

Document Retention

The MS4 map, located in the Public Works Department and documentation of any revisions completed during the year.

BMP #11	MINIMUM CONTROL MEASURE NO. 2 Illicit Discharge Detection and Elimination	
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Education and Training on Illicit Discharges

Activity

Provide educational information and training to relevant City staff including field personnel who may come into contact with or observe an illicit discharge or illicit connection.

Objective

The City will continue to implement an illicit discharge and illicit connection training program for City staff that could come into contact with or observe and illicit discharge or connection to the MS4.

Measurable Goals

- Develop a list of City staff to receive training and training materials to be used for illicit discharge detection and elimination. to receive training
- Provide employees with NCTCOG Illicit Discharge Field Investigation Guide
- Provide training for City staff, documenting attendees and training materials used.
- Document attendees and training materials used.

Document Retention

The training programs, sign in sheets and materials lists will be maintained with the Public Works Department.

Helpful Suggestions	The City may use outside training resources like NCTCOG's <i>Illicit Discharge Detection & Elimination Field Investigation Guide</i> , Center for Watershed Protection training, or develop in-house training materials.
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BMP #12	MINIMUM CONTROL MEASURE NO. 2 Illicit Discharge Detection and Elimination	 KENNEDALE You're Here, Your Home
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Public Reporting & Response Procedures

Activity

Provide a reporting mechanism for receipt and consideration of information submitted by the public concerning construction site stormwater runoff, illicit discharges and illegal dumping.

Objective

Determine trends in the increase or decrease in number of illicit discharges.

Measurable Goals

- Document communications from the public that are received through a public reporting/input phone number and information on the online form from a direct link on the City website.
- Use the City's work order system to document comments from the public and generate follow up actions by the City.

Document Retention

Number of illicit discharges reported through the comment form or phone line. Document reports received and any corrective actions taken.

BMP #13	MINIMUM CONTROL MEASURE NO. 2 Illicit Discharge Detection and Elimination	 KENNEDALE You're Here, Your Home
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Source Investigation and Elimination

Activity

Develop inspection and investigation procedures to locate the source of any reported illicit discharges and address the source of an illicit discharge including corrective actions upon source determination, follow-up investigations and dry weather screening, as appropriate.

Objective

Review current City illicit discharge ordinance and TCEQ requirements for Source Investigation and Elimination requirements. Prepare ordinance changes, if necessary. Develop written procedures for responding to illicit discharges including inspections, investigations, and corrective actions.

Measurable Goals

- Continue to implement illicit discharge inspection, investigation and elimination procedures to comply with the Part III.B.2(e) of the TCEQ MS4 permit.
- Dry weather inspections of outfalls and conveyances will be conducted annually.
- Inspections shall also be performed in response to complaints or reports of illicit discharges.
- Notify the responsible MS4 or the TCEQ if the source of the discharge is outside the jurisdiction.

If the source of the discharge is outside the jurisdiction, the City shall notify the responsible MS4 or the TCEQ as appropriate.

Document Retention

Documentation of inspection results and response based on potential risk to human health and/or the environment; tracking and documentation of the inspection of the source; follow-up inspections once corrected; and date closed. Retain notification to the discharger of the problem, and any penalties assessed per the illicit discharge ordinance.

BMP #14	MINIMUM CONTROL MEASURE NO. 2 Illicit Discharge Detection and Elimination	 KENNEDALE You're Here, Your Home
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Detection and Elimination of Illicit Sanitary Sewer Discharge

Activity

A program to eliminate illicit discharges resulting from sanitary sewer system overflows. Perform sanitary sewer maintenance, replacement and/ or rehabilitation projects to significantly reduce and/or eliminate sanitary sewer overflow potential.

Objective

Evaluate Stormwater Utility budget and leverage funds to perform sanitary sewer line maintenance, rehabilitation and replacement projects as needed.

Measurable Goals

- Document pattern of illicit discharges, if any.
- Include the document "Compilation of Selected Standard Operating Procedures - A Resource for Stormwater Phase II Communities in North Central Texas"
- Streamline the collection of inspection data by identifying digital collection and filing methods.
- When budget constraints allow, use funds from the stormwater utility fund to pay for sanitary sewer replacement projects that include sanitary sewer system reconstruction.

Document Retention

Track locations and/or design of completed projects if the budget allows. Documentation measures may include budget from stormwater utility for improvements, project titles, linear footage, etc. for sanitary sewer replacement improvements.

3.4 MCM3 Construction Site Stormwater Runoff Controls

In the absence of proper management, construction sites can release significant amounts of sediment into stormwater and eventually into a municipality's stormwater drainage system. Other construction site activities such as storage and handling of construction materials also can release pollutants into the storm drain system. In addition, increases in compaction and impervious surfaces at construction sites impact stormwater. The fact that construction and construction-related activities are occurring in the Kennedale metropolitan area is cause to evaluate the methods and procedures currently in place to address stormwater runoff. Pollutants from construction sites that may impact stormwater runoff include sediment, solid and sanitary wastes, fertilizer, pesticides, oil and grease, truck washout and construction debris.

The City of Kennedale currently has institutional controls related to stormwater at construction sites. The continued implementation and enforcement of these stormwater runoff controls will be an important element in Kennedale's Stormwater Management Program.

General Permit Requirements:

(a) Requirements and Control Measures

- (1) All permittees shall develop, implement and enforce a program requiring operators of small and large construction activities, as defined in Part I of this general permit, 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.*

Existing permittees shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of this permit term.

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 include the requirements described below in Parts III.B.3 (b)(1)-(7)

- (1) All permittees shall annually review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2. Any changes must be included in the annual report. Such written procedures must be maintained on site or in the SWMP and made available for inspection by the TCEQ.*
- (2) All permittees shall require that construction site operators implement appropriate erosion and sediment control BMPs. The permittee's construction program must ensure the following minimum requirements are effectively implemented for all small and large construction activities discharging to its small MS4.
 - a. Erosion and Sediment Controls - Design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants.**

- b. *Soil Stabilization - Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization must be completed as soon as practicable, but no more than 14 calendar days after the initiation of soil stabilization measures. In arid, semiarid, and drought-stricken areas, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed.*

The permittee shall develop written procedures that describe initiating and completing stabilization measures for construction sites.

- c. *BMPs – Design, install, implement, and maintain effective BMPs to minimize the discharge of pollutants to the small MS4. At a minimum, such BMPs must be designed, installed, implemented and maintained to:*
- (i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters;*
 - (ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater; and*
 - (iii) Minimize the discharge of pollutants from spills and leaks.*
- d. *As an alternative to (a) through (c) above, all permittees shall ensure that all small and large construction activities discharging to the small MS4 have developed and implemented a stormwater pollution prevention plan (SWP3) in accordance with the TPDES CGP TXR150000. In arid, semiarid, and drought-stricken areas, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed and described in the written procedure required in item (2)b. above. As an alternative, vegetative stabilization measures may be implemented as soon as practicable.*

(3) *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; and,*
- d. Soaps or solvents used in vehicle and equipment washing;*
- e. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs.*

(4) *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 Part III.B.3.(a) or in the TPDES CGP, TXR150000.*

The permittee may require and accept a plan, such as a SWP3, that has been developed pursuant to the CGP, TXR150000.

(5) 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 waterbodies; proximity to receiving waterbodies; 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.*
 - 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 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 TCEQ's Field Operations Support Division according to Part III.A.3(b).

(6) Information submitted by the Public

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

(7) *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.

BMP #15	MINIMUM CONTROL MEASURE NO. 3 Construction Site Runoff Controls	 KENNEDALE You're Here. Your Home.
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Erosion & Sediment Control Requirements

Activity

Continue to enforce erosion and sediment control requirements for construction sites that disturb over one acre and/or are part of a larger common plan of development, including the implementation of waste, erosion and sediment controls, soil stabilization and BMPs and prohibited discharges from construction activities.

Objective

Review and amend, if necessary, the current City erosion and sediment control ordinance for compliance with the renewed TCEQ permit. Enhance the City's ability to enforce the construction erosion and sediment control ordinance.

Measurable Goals

- Conduct a review of adopted Erosion Control Ordinance (Kennedale Code of Ordinances, Chapter 17, "Planning and Land Development", Article III, "Erosion and Sediment Control")
- Amend the ordinance as needed to comply with the new permit conditions, including identified "prohibited discharges" noted in Part 111.B.3.(b).

Document Retention

Erosion and sediment control ordinance and all updates to the City's ordinance with respect to erosion and sediment controls, soil stabilization and BMPs to minimize pollutant discharge. Written minutes of relevant city council meetings if ordinance is revised. Database of prohibited discharges from construction activity identified by City staff and follow up action.

BMP #16	MINIMUM CONTROL MEASURE NO. 3 Construction Site Runoff Controls	 KENNEDEALE You're Here, Your Home
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Construction Plan Review Procedures

Activity

Continue to improve construction plan review procedures to ensure proposed erosion and sediment controls meet local and state requirements.

Objective

Incorporate considerations of water quality impacts in site plan review and require contractors to submit a Construction SWPPP for construction sites that disturb over one acre and/or are part of a larger common plan of development.

Measurable Goals

- Track the number of Building Permit Packets distributed to contractors for new construction projects
- Track the number and location of projects larger than one (1) acre for which Contractors are required to submit a SWPPP to the City and ensure construction site has developed a stormwater pollution prevention plan in accordance with the TPDES Construction General Permit TXR150000
- Use the checklist of erosion and sediment control requirements in the plan review process
 - Ensure SWPPP includes BMPs to minimize exposure to building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials
 - Ensure construction site management plan includes BMPs to control pollutants from equipment, vehicle washing and other wash waters

Document Retention

Building Permit Packet and any modifications to site plan review procedures; Erosion and Sediment Control Checklist, number of SWPPPs submitted and reviewed.

BMP #17	MINIMUM CONTROL MEASURE NO. 3 Construction Site Runoff Controls	 KENNEDALE You're Here. Your Home
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Construction Site Inspection and Enforcement

Activity

Develop improved construction site inspection and enforcement procedures to ensure the proper installation and maintenance of erosion and sediment controls on regulated projects.

Objective

Ensure City's procedures for inspection and enforcement, including frequency of inspections based on water quality factors, comply with the renewed TCEQ permit and verify that construction projects stay in compliance with the City's Erosion and Sediment Control regulations.

Measurable Goals

- Administer the inspection and enforcement program.
- Review the City's existing written procedures outlining construction site inspection and enforcement requirements, including frequency of inspections.
- Ensure that construction site operators implement and maintain BMPs to control pollutants from equipment, vehicle washing and other wash waters.
- Prohibit illicit discharge from activities such as wash out wastewater, fuels, oils, soaps, solvents, and dewatering activities
- Construction sites implement BMPs to minimize the discharge of pollutants from spills and leaks

Document Retention

Review procedures and checklist documents. Document number and location of inspections. Complete either written or electronic inspection reports for projects and will keep these on file in the Public Works Department.

BMP #18	MINIMUM CONTROL MEASURE NO. 3 Construction Site Runoff Controls	
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Construction Stormwater Training

Activity

Train City inspectors in procedures for ensuring construction site has required stormwater runoff controls.

Objective

Reduce stormwater pollution-potential from construction sites.

Measurable Goals

Develop a training program for personnel responsible for implementing the various aspects of the construction stormwater program, including a training schedule, materials and methods. Training will include BMP selection, maintenance, and construction techniques for various erosion and sediment control BMPs.

Document Retention

Sign in sheet documenting number of employees trained as well as their area of employment.

Helpful Suggestions	Training opportunities are available which include in-house training using existing staff, training DVD's or outside training at NCTCOG or other training facilities. The City will document the attendees and training materials used.
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BMP #19	MINIMUM CONTROL MEASURE NO. 3 Construction Site Runoff Controls	
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Construction Site Stormwater Education

Activity

Education for construction site personnel, homebuilders and developers about stormwater pollution from construction sites and the requirements of the City erosion and sediment control ordinance.

Objective

Provide the construction site erosion control education guideline to contractors and homebuilders at preconstruction meetings or with the building permit and make the guideline available at the City permitting office.

Measurable Goals

Continue to educate construction professionals on the city's construction site stormwater erosion control and waste management guidelines.

- Include site erosion control pamphlet in the preconstruction/building permit packages to contractors and homebuilders
- Make an educational handout available at the Public Works/Permitting offices that outlines the requirements of the erosion and sediment control ordinance, waste controls, BMP installation and maintenance, and other stormwater pollution prevention requirements for construction sites

Document Retention

Site erosion control pamphlet; Educational handout; Number of educational materials distributed during pre-construction meetings.

3.5 MCM4 Post-Construction Stormwater Management in New Development and Redevelopment

There generally are two forms of substantial impacts from post-construction runoff. The first is caused by an increase in the type and quantity of pollutants in stormwater runoff. As runoff flows over areas altered by development, it picks up harmful sediment and chemicals such as oil and grease, pesticides, heavy metals, and nutrients (e.g., nitrogen and phosphorus). These pollutants become suspended in stormwater runoff and have the ability to impact the food chain and eventually impact humans. The second kind of post-construction runoff impact occurs by increasing the quantity of water delivered to the receiving water body during storms. Increased impervious surfaces interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. This can result in scouring of natural drainage pathways and flooding of areas resulting in property damage.

General Permit Requirements:

(a) Post-Construction Stormwater Management Program

- (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.*

Existing permittees shall assess program elements that were described in the previous permit and modify as necessary to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of the permit term.

- (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. Newly regulated permittees shall have the program element fully implemented by the end of the permit term.*

(b) Requirements for all Permittees

All permittees shall include the requirements described below in Parts III.B.4.(b)(1)-(3)

- (1) *All permittees shall annually review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2. Any changes must be included in the annual report. Such written procedures must be maintained either on site or in the SWMP and made available for inspection by TCEQ.*
- (2) *All permittees shall document and maintain records of enforcement actions and make them available for review by the TCEQ.*
- (3) *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 III.B.5*
- 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 requirements for any structural control measures installed on site. The permittee shall require operation and maintenance performed be documented and retained on site, such as at the offices of the owner or operator and made available for review by the small MS4.*

BMP #20	MINIMUM CONTROL MEASURE NO. 4 Post Construction Stormwater Management in New Development and Redevelopment	
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Post-Construction Ordinance

Activity

Continue to enforce the City's post-construction stormwater runoff ordinance, as outlined in Article 18 Post-Construction Runoff Control of the City's Unified Development Code, to require developers to address post-construction runoff control from new development and redevelopment projects and ensure long term operation and maintenance of proposed BMPs. The existing ordinance requires the design, installation, implementation, and maintenance of BMPs to protect water quality.

Objective

To minimize increases in stormwater runoff from any development or redevelopment in order to reduce flooding, siltation, streambank erosion, and stormwater pollution while maintaining the integrity of stream channels.

Measurable Goals

- Continue to enforce the existing post-construction ordinance
- Public Works will review the proposed BMPs for new development during the plan review process.
- Re-evaluate the ordinance in Year 2 to determine if it should be updated based on the performance of existing post-construction measures.

Document Retention

Post construction Stormwater Runoff ordinance; Results of reappraisal in Year 2; Revisions to ordinance, if applicable; Enforcement actions, if applicable.

BMP #21	MINIMUM CONTROL MEASURE NO. 4 Post Construction Stormwater Management in New Development and Redevelopment	
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Long-Term Maintenance of Post-Construction BMPs

Activity

Develop requirements for long-term maintenance of post-construction BMPs that are installed on new development and re-development projects.

Objective

Improve the longevity and effectiveness of operation and maintenance of structural controls on development sites.

Measurable Goals

- Review the existing long-term maintenance requirements of the post-construction ordinance and the long-term O&M requirements as outlined in Part 11I.B.4.(b) of the TCEQ MS4 permit.
- Evaluate and update the ordinance, if necessary, to require maintenance performed by the City or by the owner /operator under a maintenance plan.
- Maintenance plans will be required to be filed in the real property records of the county.
- Maintain a database of enforcement actions taken to ensure proper maintenance.

Document Retention

Maintenance plans filed in the real property records of the county. Maintenance plans will also have requirements for retention of maintenance records for any structural control measures installed on site.

BMP #22	MINIMUM CONTROL MEASURE NO. 4 Post Construction Stormwater Management in New Development and Redevelopment	
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Detention Pond Ordinance

Activity

Continue to enforce the detention pond ordinance adopted in 2006 that outlines regulations and design guidelines for post-construction detention ponds as well as the requirements for mandatory property owner's association (POA) agreements to ensure long-term operation and maintenance of ponds.

Objective

Continue to administer the existing detention pond ordinance.

Measurable Goals

- Schedule inspections of existing Detention Ponds to determine the effectiveness of the current detention and retention pond ordinance.
- Evaluate the existing ordinance in Year 2 and make any necessary updates during the permit term.

Document Retention

Date/description of any enforcement actions taken; Description of any modifications made to the existing ordinance.

3.6 MCM5 Pollution Prevention/Good Housekeeping for Municipal Operations

The City of Kennedale recognizes that any Stormwater Management Program requires good housekeeping and pollution prevention to be successful.

The City of Kennedale owns and operates 15 municipal parks, a fleet maintenance and service facility, a public works storage yard, and various administrative facilities. None of the properties owned by the City are permitted under the TPDES Industrial Stormwater Permit.

Pollution prevention and good housekeeping practices of the City government are critical to maintaining progress and achieving continued improvement with respect to environmental quality, not just water quality. A pollution prevention and good housekeeping program requires operators to examine and subsequently alter their own actions to help ensure a reduction in the type and amount of pollution. This includes pollution that collects on streets, parking lots, open spaces, and storage areas and is discharged into local waterways. It also includes pollution resulting as from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm drainage systems and detention and retention areas.

General Permit Requirements:

(a) Program development

- (1) All permittees shall develop and implement an operation and maintenance program, 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.*
- (2) Existing permittees shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharges of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of this permit term. See also Part III.A.1.(c))*

(b) Requirements for all Permittees

All permittees shall include the requirements described below in Parts III.B.5.(1)-(6) in the program:

(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. If feasible, 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.*

(3) 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 inspection by TCEQ when requested.

(4) 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.

(5) 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 III B.5.(2)-(6).*
- b. All permittees shall provide oversight of contractor activities to ensure contractors are using appropriate control measures and SOPs. Oversight procedures must be maintained on site and made available for inspection by TCEQ.*

(6) 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 may include such areas as pothole repair, pavement marking, sealing, and re-paving;*
 - ii. Bridge maintenance may include 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 may include the following examples:*
- i. Replacing materials and chemicals with more environmentally benign materials or methods;*
 - ii. Changing operations to minimize the exposure or mobilization of pollutants to prevent them from entering surface waters; and*
 - iii. 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 at a frequency determined by the permittee to ensure they are working properly. The permittee shall develop written procedures that describes frequency of inspections and how they will be conducted. A log of inspections must be maintained and made available for review by the TCEQ upon request.*

(7) Structural Control Maintenance

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

BMP #23	MINIMUM CONTROL MEASURE NO. 5 Pollution Prevention and Good Housekeeping	
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Facility and Stormwater Control Inventory

Activity

Develop and maintain a list of City-owned and operated facilities and stormwater controls, as well as all applicable permit numbers for any City facility with a separate TPDES permit.

Objective

Prepare and maintain an inventory of City-owned and operated facilities and stormwater controls in order to track concerns and improve coordinated management.

Measurable Goals

- Review the list of facilities and controls provided under Part 111.B.5.(a)(I) under the TCEQ MS4 permit and will consider other facilities as appropriate for inclusion in the inventory.
- A schedule will be developed for inspection of these facilities and controls in Year 1.
- Conduct inspection of City-owned stormwater facilities in each year of the permit.
- Update inventory as needed.

Document Retention

List of City owned and operated facilities and stormwater controls; Inspection schedule.

BMP #24	MINIMUM CONTROL MEASURE NO. 5 Pollution Prevention and Good Housekeeping	
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Municipal Employee Training Program

Activity

Develop a training program that includes seminars, in-house training sessions, new employee training, videos, manuals or other means to inform and train municipal employees about methods to prevent and reduce stormwater pollution from municipal activities.

Objective

Equip municipal employees with the proper training to implement good housekeeping practices at City facilities and in City operations. (Examples of training activities include Parks Dept. training on proper fertilizer and pesticide use, Public Works training on proper erosion and sediment controls during construction, training for the washing of construction equipment, or cleanup and spill response training.)

Measurable Goals

- Develop a training program for municipal employees involved in pollution prevention and good housekeeping practices with specialized materials by Department
- Identify municipal employees for whom training is required.
- Develop a training schedule to ensure all employees with relevant duties receive training.

Document Retention

Prioritize employment categories for those that will receive training, a training schedule, and select appropriate training materials and methods. Several training resources are available for municipal use and include Partners for a Clean Environment (PACE), NCTCOG, and EPA resources. Maintain a training attendee list.

BMP #25	MINIMUM CONTROL MEASURE NO. 5 Pollution Prevention and Good Housekeeping	 KENNEDEALE You're Here, Your Home
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Contractor Requirements and Oversight

Activity

Requirements for City-hired contractors that perform maintenance activities on City-owned facilities to comply with the stormwater control, waste disposal and good housekeeping requirements of this program. Develop contractor oversight procedures to ensure the contractual stormwater requirements are being implemented.

Objective

Develop a list of City-hired contractors subject to these stormwater program requirements and implement the oversight procedures and execute revised contractual agreements as applicable.

Measurable Goals

- Develop a list of City-hired contractors subject to the stormwater pollution prevention and good housekeeping requirements of this program
- Review the city's existing standard contract form to ensure contractors and subcontractors are required to comply with SWPPP and other stormwater program elements and revise if needed.
- Provide oversight of contractor activities to ensure that contractors are using appropriate control measures and standard operating procedures (SOPs).

Document Retention

Contractual requirements for applicable contractor agreements and written oversight procedures.

Include City's standard subcontract to require subcontractors to adhere to SWPPP and other stormwater requirements.

Provide oversight of contractor activities to ensure that contractors are using appropriate control measures and standard operating procedures (SOPs).

BMP #26	MINIMUM CONTROL MEASURE NO. 5 Pollution Prevention and Good Housekeeping	
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Municipal Operation and Maintenance Activities

Activity

Develop and implement pollution prevention measures for municipal operations and maintenance activities to reduce the potential for discharge of pollutants in stormwater.

Objective

Develop pollution prevention and inspection measures for municipal O&M activities (such as road and parking lot maintenance including pothole repair, pavement marking, sealing, repaving, bridge maintenance, cold weather operations such as sanding and deicing and right-of-way maintenance such as mowing, herbicide and pesticide application, and planting).

Measurable Goals

- Develop a list of municipal O&M activities requiring annual or biannual inspection.
- Identify pollutants of concern (i.e. metals, chlorides, hydrocarbons, sediment, trash, etc.) that could be discharged from these O&M activities.
- Develop appropriate pollution prevention measures to guide O&M activities.

Document Retention

List of municipal operations and/or activities that have the potential for pollutant discharges. Inspection cycle and list of corrective actions taken.

Helpful Suggestions	<p>Pollution prevention measures could include replacing materials with more environmentally benign materials, changing operations to minimize exposure, or using BMPs to prevent discharges such as containment devices. Several pollution prevention methods and procedures have been developed for municipalities and are available on the PACE (Partners for a Clean Environment) website at www.pacepartners.com.</p>
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4.0 REFERENCES

Texas Commission on Environmental Quality, TPDES General Permit No. TXR040000, General Permit to Discharge Under the Texas Pollutant Discharge Elimination System, January 2019.

North Central Texas Council of Governments, Stormwater Management Program Webpage, <http://www.nctcog.org/envir/SEEClean/Stormwater/index.asp>.

United States Environmental Protection Agency, National Pollutant Discharge Elimination System Stormwater Website, http://cfpub.epa.gov/npdes/home.cfm?program_id=6

5.0 DEFINITIONS

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.

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.

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.

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

Illicit Discharge - Any discharge to a municipal separate storm sewer that is not entirely composed of stormwater, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency firefighting activities.

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

Minimum Control Measures (MCM) The EPA's Minimum Control Measures for the NPDES establish the minimum conditions that must be addressed for City's the storm water program, but the rule also provides flexibility to account for unique local conditions of the MS4 entity.

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

Notice of Change (NOC) - 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 the 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 municipal separate storm sewer discharges to surface water in the state 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.

Permittee - The MS4 operator authorized under the general permit.

Permitting Authority - For the purposes of the general permit, the TCEQ.

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, 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 - Includes biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids, 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 changes the “footprint” of a site or building in such a way that there is a disturbance of equal to or greater than one 5,000 square feet of land. This term does not include such activities as exterior remodeling.

Small Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than 5,000 square feet and less than five (5) acres of land. Small construction activity also includes the disturbance of less than 5,000 square feet 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 5,000 square feet and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar stormwater conveyance. Small construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing rights-of-way, and similar maintenance activities.

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, man-made channels, or storm drains): (i) Owned or operated by the United States, 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 § 208 of the CWA; (ii) Designed or used for collecting or conveying stormwater; (iii) Which is not a combined sewer; (iv) Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR § 122.2; (v) Which was not previously authorized under a NPDES or TPDES individual permit as a medium or large municipal separate storm sewer system; and (vi) Which does not include very discrete systems such as those serving individual buildings. For the purpose of this permit, a very discreet

system includes storm drains associated with municipal office and education complexes, where the complexes serve a transient (nonresidential) population, and where the buildings are not physically interconnected to an MS4 that is also operated by that public entity.

Stormwater - Stormwater 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 activity or a small construction activity.

Stormwater Management Program (SWMP) - A comprehensive program to manage the quality of discharges from the municipal separate storm sewer system.

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, 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 non-navigable, 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; except that 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.

Urbanized Area (UA) - An area of high population density that may include multiple MS4s as defined and used by the U.S. Census Bureau in the 2000 decennial census.

Waters of the United States - (from 40 CFR § 122.2) Waters of the United States or waters of the U.S. means:

- (a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- (b) all interstate waters, including interstate wetlands;
- (c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
 - (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;

- (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
- (3) which are used or could be used for industrial purposes by industries in interstate commerce;
- (d) all impoundments of waters otherwise defined as waters of the United States under this definition;
- (e) tributaries of waters identified in paragraphs (a) through (d) of this definition;
- (f) the territorial sea; and
- (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Appendix A

SWMP Implementation Schedule

City of Kennedale - Stormwater Management Program Implementation Schedule 2019-2023

BMP	Description	FY 2019* Measurable Goals	FY 2020* Measurable Goals	FY 2021* Measurable Goals	FY 2022* Measurable Goals	FY 2023* Measurable Goals
Public Education, Outreach, & Involvement						
1	Fats, Oils, and Grease Education	Actions Provide a link to FOG educational material on the City website Make educational handouts available at City Hall Provide at least one article in the City newsletter each year				
2	Household Hazardous Waste (HHW) Program	Actions Maintain the City's inter-local agreement with the City of Fort Worth for use of their Environment Collection Center. Update existing educational HHW brochure as needed and track the number of brochures distributed annually at City Hall and with water utility bills.				
3	Municipal Employee Training Program	Actions Train employees on pollution prevention techniques in municipal operations such as park and open space maintenance, new construction and land disturbance, storm sewer maintenance and fleet and building maintenance Train employees to update MS4 data collection with digital data tracking.				
4	Pet Waste Management	Actions Establish a Pet Waste Management Program in order to reduce the number of bacteria entering local streams and creeks via pet waste. Provide educational material about proper pet waste disposal online, in parks and at City Hall. Continue to provide pet waste bag stations at City parks.				
5	Recycling Program	Actions Provide a recycling program and invite residents and businesses to participate Provide brochures on recycling services at City Hall Educate the public about the benefits of recycling and advertise the program through articles on the website on the website through a recycling education link Track public use of the recycling drop-off center.				
6	Regional Cooperative Partnerships	Actions Provide funding to NCTCOG to aid in the development of stormwater program initiatives Continue annual funding of NCTCOG stormwater program to produce and update stormwater management educational materials such as the Texas SmartScape website and various educational brochures and grant funded Household Hazardous Waste Programs. Continue to participate in Village Creek-Lake Arlington Watershed Protection Partnership to address issues associated with water quality impairments for bacteria in Village Creek and Lake Arlington.				
7	Storm Drain Inlet Marketing	Actions Invite the public to participate in a storm drain inlet marking program by advertising the program in annual newspaper articles and/or the City website. Annually mark 25% of the City's inlets Inspect storm drains and replace any missing markers				
8	Public Education and City Stormwater Management Program	Actions Provide a stormwater education web page on the City website that explains why pollution in runoff is an issue and the purpose of the City's Stormwater Management Program Post the current SWMP on the City website	Actions Continue to update SW Education Page on City Website Post Annual Reports on the City website Provide updates and helpful tips to home and business owners. Advertise the web page in an annual City newsletter.			
9	Water Conservation Practices for Homeowners	Actions Promote water conservation and reduce water waste from excessive lawn watering, particularly in drought periods, by using City website and water conservation initiatives Track reduction in water usage when restrictions are in place				
Illicit Discharge Detection and Elimination						
10	Storm Drainage System Map	Actions Maintain map of the storm drain system that includes locations of drainage conveyances, all city outfalls and names and locations of receiving waters of the U.S.	Actions Regularly update map with new storm drain locations when new development or public works projects are completed.	Actions Map locations with the highest concentration of reported discharges to identify areas for future corrective action.		
11	Education and Training on Illicit Discharges	Actions Develop a list of City staff and training materials to be used for illicit discharge detection and elimination. Provide employees with NCTCOG Illicit Discharge Field Investigation Guide	Actions Use identified training materials to provide training for City staff. Document attendees and training materials used.			
12	Public Reporting/Input Program	Actions Public Works will document and respond to the reports and input from the public via a public reporting/input phone number and information on the online form from a direct link on the City website Use the City's the work order system to document comments from the public and generate follow up actions by the City.				

City of Kennedale - Stormwater Management Program Implementation Schedule 2019-2023

BMP	Description	FY 2019* Measurable Goals	FY 2020* Measurable Goals	FY 2021* Measurable Goals	FY 2022* Measurable Goals	FY 2023* Measurable Goals
13	Source Investigation and Elimination	<p>Actions Continue to implement illicit discharge inspection, investigation and elimination procedures to comply with the Part III.B.2(e) of the TCEQ MS4 permit. Conduct dry weather inspections of outfalls and conveyances annually. Perform inspections in response to complaints or reports of illicit discharges. Notify the responsible MS4 or the TCEQ if the source of the discharge is outside the jurisdiction</p>				
14	Detection and Elimination of Illicit Sanitary Sewer Discharges	<p>Actions Document pattern of illicit discharges, if any Include document "Compilation of Selected SOPs - A Resource for Stormwater Phase II Communities in N. Central Texas"</p>	<p>Actions Streamline inspection procedures with a multi-use inspection form</p>	<p>Actions Streamline the collection of inspection data by identifying digital collection and filing methods When budget constraints allow, use funds from the stormwater utility fund to pay for sanitary sewer replacement projects that include sanitary sewer system reconstruction.</p>		
Construction Site Storm Water Runoff Control						
15	Erosion and Sediment Control Requirements	<p>Actions Continue to enforce the erosion and sediment control ordinance.</p>	<p>Actions Review adopted Erosion Control Ordinance (Kennedale Code of Ordinances, Chapter 17, "Planning and Land Development", Article III, "Erosion and Sediment Control") Improve enforcement of silt fence requirements through educational material and regular inspections.</p>			
16	Construction Plan Review Procedures	<p>Actions Continue to provide the Building Permit Packet to contractors for new construction projects and use the checklist of erosion and sediment control requirements in plan review. Track the number of projects larger than one (1) acre for which Contractors are required to submit a SWPPP to the City.</p>				
17	Construction Site Inspection and Enforcement	<p>Actions Review City's written procedures outlining the inspection and enforcement requirements that include frequency of inspections based on water quality factors.</p>	<p>Actions Verify that construction projects stay in compliance with the City's Erosion and Sediment Control Ordinance</p>			
18	Construction Stormwater Training	<p>Actions Provide training for city employees responsible for implementing the construction stormwater program that includes: - BMP selection, - BMP maintenance, and - Construction techniques for various erosion and sediment control BMPs.</p>				
19	Construction Site Stormwater Education	<p>Actions Include site erosion control materials in the preconstruction and building permit packages. Continue to educate construction professionals on the city's construction site stormwater erosion control and waste management guidelines. Include site erosion control pamphlet in the preconstruction/building permit packages to contractors and homebuilders at preconstruction meetings or with the building permit process. Make an educational handout available at the Public Works/Permitting offices that outlines the requirements of the erosion and sediment control ordinance, waste controls, BMP installation and maintenance, and other stormwater pollution prevention requirements for construction sites.</p>				
Post-Construction Storm Water Management in New Development and Redevelopment						
20	Post- Construction Ordinance	<p>Actions Public Works will review the proposed BMPs for new development during the plan review process Continue to enforce the City's post-construction ordinance</p>	<p>Actions Re-evaluate the ordinance in Year 2 to determine if it should be updated based on the performance of post-construction measures Propose modifications to the ordinance as needed</p>	<p>Actions Continue to enforce the City's post-construction ordinance.</p>		
21	Long-Term Maintenance of Post-Construction BMPs	<p>Actions Review the existing long-term maintenance requirements of the post-construction ordinance and the long-term O&M requirements as outlined in Part 111.B.4.(b) of the TCEQ MS4 permit</p>	<p>Actions Evaluate and update the ordinance, if necessary, to require maintenance performed by the City or by the owner /operator under a maintenance plan.</p>	<p>Actions Continue to enforce the requirement for filing maintenance plans with real property records.</p>		
22	Detention Pond Ordinance	<p>Actions Schedule inspections of existing Detention Ponds to determine the effectiveness of the current detention and retention pond ordinance. Maintain a database of enforcement actions taken to ensure proper maintenance</p>	<p>Actions Evaluate the existing ordinance and make any necessary updates to the ordinance during the permit term.</p>			

City of Kennedale - Stormwater Management Program Implementation Schedule 2019-2023

BMP	Description	FY 2019* Measurable Goals	FY 2020* Measurable Goals	FY 2021* Measurable Goals	FY 2022* Measurable Goals	FY 2023* Measurable Goals
Pollution Prevention and Good Housekeeping for Municipal Operations						
23	Facility & Stormwater Control Inventory	<u>Actions</u> Develop a full inventory of City owned and operating facilities with stormwater controls. Prepare a schedule for inspection of these facilities and controls in Year 1	<u>Actions</u> Conduct inspections of City-owned stormwater facilities in each year of the permit. Update inventory as needed.			
24	Municipal Employee Training Program	<u>Actions</u> Develop a training program for municipal employees involved in pollution prevention and good housekeeping practices Identify employees for whom the training is required	<u>Actions</u> Develop specialized training materials by activity or Department - Parks Dept. training on proper fertilizer and pesticide use - Public Works training on proper erosion and sediment controls during construction, -Training for the washing of construction equipment -Cleanup and spill response training.			
25	Contractor Requirements and Oversight	<u>Actions</u> Review the city's existing standard contract form to ensure contractors and subcontractors are required to comply with SWPPP and other stormwater program elements Provide oversight of contractor activities to ensure contractors are using appropriate control measures and standard operating procedures (SOPs).	<u>Actions</u> Develop a list of City-hired contractors subject to the stormwater pollution prevention and good housekeeping requirements of this program Review the existing contracts and revise as needed Continue to provide oversight of contractors to ensure they are using appropriate control measures			
26	Municipal Operation and Maintenance Activities	<u>Actions</u> Develop a list of municipal O&M activities requiring annual or biannual inspection. Identify pollutants of concern (i.e. metals, chlorides, hydrocarbons, sediment, trash, etc.) that could be discharged from these O&M activities.	<u>Actions</u> Develop appropriate pollution prevention measures to guide O&M activities.	<u>Actions</u> Implement the identified pollution prevention measures and ensure compliance through periodic inspections		