TPDES Phase II Storm Water Permit Compliance

Dec 13, 2013 – Dec 12, 2018

Storm Water Management Program

Prepared by:

City of Temple
3210 E. Avenue H
Temple, Texas 76501

STORMWATER MANAGEMENT PROGRAM (SWMP) COVER SHEET

Confirm Each Minimum Control Measure (MCM) Below is Included in the SWMP

This cover sheet MUST be completed by indicating the page number where the requested item will be found in the SWMP. Provide the page number to the left of each item.

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

Operator:

Operator name on NOI: City of Temple MS4

Assessment of program elements:

☑ Program elements that were described in the previous permit have been assessed and modified as necessary. New elements have been developed and implemented as necessary.

☐ N/A, If newly regulated MS4.

MCM 1: Public Education, Outreach, and Involvement

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

12-20	1. 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.
12-20	2. Defines the goals and objectives of the program based on high-priority community-wide issues.
12-20	3. Identifies the target audiences.
37	4. Appropriate educational material is developed or used.
15-16	5. Education material is distributed.
12-20	SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs include, but are not limited to, the following:

- Classroom Education
- Use of media
- Education/Outreach for Commercial Activities
- Lawn and garden activities
- Promotional giveaways
- Water conservation practices for homeowners
- Outreach programs tailored to specific communities and children
- Stormwater educational materials
- Educational displays, pamphlets, booklets, and utility stuffers
- Webpage
- Storm drain stenciling
- Speakers to community groups
- Encouragement of proper lawn and garden care
- Encouragement of low impact development
- Support of pollution prevention for businesses

12-20	• Encouragement of water conservation practices • Encouragement of pet waste management • Stormwater hotlines
12-20	6. SWMP includes a program that complies with state and local public notice requirements.
20	7. May include using public input in the implementation of the program.
13, 14, 18, 19, 20	8. May include opportunities for citizen to participate in implementation of control measures.
14	9. Ensure the public easily can find information about the SWMP.
12-20	SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs include, but are not limited to, the following: • Stakeholder meetings • Community hotline • Coordination with school groups/scouting • Listserver • Stream cleanup and monitoring • Adopt-A-Stream programs • Incentives for businesses to participate, such as web links • Volunteer monitoring • Watershed Organization • Storm drain stenciling programs • Advisory/partner committees • Mailing list development and use • Reforestation programs • Wetland plantings • Coordinate volunteer programs.
8 & 12-20	SWMP includes measureable goals, and the method of measurement, for addressing stormwater quality
10 & 46-47	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 2: Illicit Discharge Detection and Elimination

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

21	1. Description of program that will be used to detect, investigate and eliminate illicit discharges
22	2. MS4 map: a. Location of all small MS4 outfalls operated by the MS4 and that discharge into waters of the U.S. b. Location and name of all surface waters receiving discharge from the MS4s outfalls. c. Priority areas, if applicable.
37	3. Methods for informing and training MS4 field staff.
24	4. Procedures for tracing the source of an illicit discharge.

24	5. Procedures for removing the source of the illicit discharge.
24	6. Facilitate public reporting of illicit discharges of water quality impacts associated with discharges into or from the small MS4.
24	7. Procedures for responding to illicit discharges and spills.
24	8. Inspections in response to complaints.
26	**Additional Requirements for Level 2, 3, and 4 small MS4s:** For Level 2, 3, and 4 small MS4, procedures to prevent and correct leaking on-site sewage disposal systems.
24	**Additional Requirements for Level 3 and 4 small MS4s:** Follow-up investigation after the illicit discharge has been eliminated.
n/a	**Additional Requirements for Level 4 small MS4s:** 1. Procedures for identifying and creating a list of priority areas within the small MS4s likely to have illicit discharges. 2. Implement a dry weather field screening program to assist in detecting and eliminating illicit discharges to the small MS4.
12-20	SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs may include the following: • List of non-stormwater discharges that will not be considered illicit • Procedures to address illegal dumping • Hazardous materials disposal opportunities • Industrial/Business connections • Addressing wastewater connections to MS4 • Addressing recreational sewage (boats/camping/etc.) • System inspections • Dye testing • Recycling programs • Informing public/employees/businesses of hazards associated with illicit discharges • Identification of illicit discharges • Used oil collection centers • Public outreach and education programs regarding illicit discharges • Publicize and facilitate public reporting
12-20	SWMP includes measureable goals, and the method of measurement, for addressing stormwater quality.
10 & 46-47	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 3: Construction Site Stormwater Runoff Control

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

29 1. Description of program that will be developed, implemented and enforced, to address stormwater runoff from construction once acre and greater (including larger common plan).

30 2. 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.

30-32 3. Program requires construction site operators to implement erosion and sediment control – BMPs to minimize the discharge of pollutants.
   a. Program requires soil stabilization measures, and implementation of BMPs to control pollutants from equipment and vehicle washing and other wash waters.
   b. Program requires operators to minimize exposure to stormwater of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials.
   c. Minimize the discharge of pollutants from spills and leaks. As an alternative, ensure that the construction site has developed a stormwater pollution prevention plan in accordance with the TPDES Construction General Permit TXR150000.

31 4. Program prohibits illicit discharges such as wash out wastewater, fuels, oils, soaps, solvents, and dewatering activities.

30 5. Procedures for construction site plan review to consider water quality impacts.

31 6. Procedures for construction site inspections and enforcement of control measures, to the extent allowable under state and local law.

32 7. Procedures for receipt and consideration of information submitted by the public.

37 8. Procedures for MS4 staff training.

Additional Requirements for Level 3, and 4 small MS4s:

30 Includes an inventory of all permitted active construction sites greater than one acre or less than one acre if part of a larger common plan of development.

30-32 SWMP lists BMPs used to fulfill this MCM. Examples may include:

- Requirement to comply with TPDES CGP
- 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
- Require overall construction site waste management
- Perform site inspections and enforcement
- Provide education and training for construction site operators
- Notify dischargers of requirement to obtain TPDES permit coverage
- Mechanism to prohibit discharges into MS4 where necessary

30-32 SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.

10,46-47 SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

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

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

33	1. Description of program that will be developed, implemented and enforced, to address stormwater runoff 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.
34	2. Ordinance or other regulatory mechanism is in place or planned which will regulate discharges from new development and redevelopment projects.
35	3. 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.
34	4. Document and maintain records of enforcement actions.
35	5. Long-term operation and maintenance of post construction stormwater control measures is addressed.
35	6. Operation and maintenance is documented.

Additional Requirements for Level 4 small MS4s:

34-35	1. Develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained. 2. Inspections are documented.
33-35	SWMP lists BMPs used to fulfill this MCM. Examples may include: • Local ordinance in place or planned • Guidance document for developers to utilize • Specific BMPs established for particular watersheds • List of appropriate BMPs provided to operators • Elimination of curbs and gutters is encouraged • Zoning takes into account stormwater issues • Incentives for use of permeable choices, such as porous pavement • Requirements for wet ponds or other BMPs for certain size sites • Xeriscaping
33-35	SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.
10,46,47	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 5: Pollution Prevention and Good Housekeeping for Municipal Operations

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

37	1. An operation and maintenance (O&M) program, including an employee training component, in place or scheduled, 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.
44	2. Develop and maintain an inventory of the MS4's facilities and stormwater controls.
37	3. Inform or train staff involved in good housekeeping practices.
40	4. Waste from the MS4 is removed and properly disposed.
38	5. Contractors hired by the MS4 must be required to comply with operating procedures. a. MS4 develop contractor oversight procedures.
37-44	6. MS4 evaluates O&M activities for their potential to discharge pollutants in stormwater for road and parking lot maintenance, bridge maintenance, cold weather operations, and right-of-way maintenance etc. a. MS4 identifies pollutants of concern that could be discharged from the O&M activities. b. MS4s develop and implement pollution prevention measures that will reduce discharge of pollutants from O&M activities. c. MS4s inspects pollution prevention measures at MS4 facilities.
37-44	7. MS4 maintains structural controls.

Additional requirements for Level 3 and 4 small MS4s:

38	1. Storm sewer system O&M. a. MS4 develops and implements an O&M program to reduce the collection of pollutants in catch basins and other surface structures. b. MS4 develops a list of potential problem areas for increased inspection (for example, areas with recurrent illegal dumping).
41-42	2. Implement an O&M program to reduce discharge of pollutants from roads that might include a street sweeping and cleaning program, or inlet protection. The program includes an implementation schedule and a waste disposal procedure.
44	3. MS4 map identify MS4 facilities and stormwater controls.
44	4. MS4 assess its facilities for their potential to discharge pollutants into stormwater. a. The MS4 identifies 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 discharge in stormwater. b. The MS4 documents the result of the assessments.
44	5. The MS4 develops stormwater management Standard Operation Procedures for high priority facilities.
44	6. The MS4 implements stormwater controls at high priority facilities that address: a. Good housekeeping

44	b. De-icing and anti-icing storage c. Fueling operations and vehicle maintenance d. Equipment and vehicle washing
44	7. The MS4 develops and implements an inspection program that includes high priority facilities.
40	**Additional requirements for Level 4 small MS4s:** MS4 has an application and management program for pesticides, herbicides, and fertilizers that address: a. Evaluating materials and activities used at public open spaces. b. Implementing the following practices to minimize generating pollutants related to landscaping. i. Education for applicators and distributers ii. Encouragement of non-chemical solutions for pest management c. Development of schedules that minimizes discharge of pollutants. d. Ensuring collection and proper disposal of unused pesticides, herbicides, and fertilizers.
37-44	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 disposal • Disposal of cigarette butts • Park maintenance (e.g., providing trash bags)
37-44	SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.
10,46,47	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 6: Industrial Stormwater Sources

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

	Requirements for Level MS4 only: Program to identify and control industrial stormwater sources that at least includes: a. MS4 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). b. Priorities and procedures for inspections and for implementing control measures for such discharges.

Optional 7th MCM: Municipal Construction Activities (only available within the regulated area where the MS4 operator meets the definition of construction site operator)

Page # (s) – Provide the page number (s) to the left of each item.

If this MCM is applicable, the SWMP includes the following information:

1. Description of how construction activities will generally be conducted so as to take into consideration local conditions of weather, soils, and other site specific considerations.
2. Description of the area that this MCM will address and where the MS4 operator's 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).
3. If the area included in this MCM includes areas outside of the UA, then all MCMs will be implemented over those additional areas as well.
4. Description provided for one of the following:
    a. 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
    b. How the MS4 operator will make certain that contractors have a separate authorization for stormwater discharges if needed.
5. General description of how a construction SWP3 will be developed for each construction site.
6. Records of municipal construction activities authorized under this optional MCM.

TPDES Phase II Storm Water Permit Compliance

Dec 13, 2013 – Dec 12, 2018

Storm Water Management Program

Prepared by:

City of Temple
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Temple, Texas 76501

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PUBLIC WORKS
STORMWATER PROGRAM

June 11, 2014

Texas Commission on Environmental Quality
Storm Water & Pretreatment Team Leader
6801 Sanger Ave Suite 2500
Waco, Texas 76710

Re: Phase II MS4 SWMP Transmittal for CITY OF TEMPLE
TPDES Permit Number: TXR040037

Dear Sir/Madam;

This letter serves to transmit the Storm Water Management Program for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TX040037 for the CITY OF TEMPLE.

Should you have any questions or need additional information, please feel free to contact me at 254/298-5660.

Sincerely,

Don Bond, P.E., CFM
City Engineer
City of Temple

3210 EAST AVENUE H, BLDG. A, STE. 107 • TEMPLE, TX 76501 • (254) 298-5660 • FAX (254) 298-5661

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1.0 PURPOSE OF PROGRAM

The objective of this Storm Water Management Program (SWMP) is to facilitate the program in which the City of Temple will continue to reduce the discharge of pollutants to the maximum extent practicable (MEP). This Program was developed with much coordination between the City and community to customize a program for Temple that meets state and federal program requirements and also utilizes current activities, addresses issues that are important to the community, and is economically feasible. A copy of the City of Temple City Council resolution is included in ***Appendix 1 – City Council Resolution***.

2.0 DESCRIPTION OF AREA PROPOSED FOR PERMIT COVERAGE

2.1 Temple Area Description and Urbanized Area Boundaries

The Bureau of Census defines urbanized areas as "a land area comprising one or more places and the adjacent densely settled surrounding area that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile". A figure depicting the urbanized area for Temple, Texas and its surrounding areas was developed by the Environmental Protection Agency (EPA) and is provided in ***Appendix 3 - Temple, Texas Urbanized Area***.

2.2 Adjacent/Enclave MS4s

A Municipal Separate Storm Sewer System (MS4) is a conveyance that includes roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains that is owned and operated by a jurisdiction for the collection and conveyance of storm water. Non-traditional MS4s that may also be regulated include military bases, large hospital or prison complexes or highways and other thoroughfares.

There are no separate MS4s located within the City of Temple. The Temple, TX Urbanized Area as defined by the 2010 Census extends into three adjacent MS4s: the City of Belton, City of Troy, and Morgan's Point Resort. A portion of the urbanized area also extends into unincorporated areas of Bell County. According to the 2010 Census, the City of Temple has a population of 66,102 which categorizes it as a Level 3. A Level 3 MS4 is described as one that "...serves a population of at least 40,000 but less than 100,000 within a UA".

2.3 Receiving Waters

There are several water bodies that receive discharges from the City of Temple's MS4 within the urbanized area. These receiving waters are listed below:

- Bird Creek
- Boggy Creek
- Friar's Creek
- Knob Creek
- Little Elm Creek
- Pepper Creek
- Williamson Branch

The City of Temple's urbanized area drains to either the Leon River or Little River. In general, the western portion of the City drains through a series of small unclassified streams (Bird Creek, Friar's Creek, and Pepper Creek) to the Leon River below Belton

Lake, which is designated by TCEQ as stream segment 1219. Surface runoff from the eastern portion of the City generally drains to the Little River (Segment 1213) via unclassified streams Boggy Creek, Knob Creek, Little Elm Creek and Williamson Branch.

2.3.1 Pollutants of Concern

A review of state water quality monitoring programs was conducted to identify any water quality impairments and pollutants of concern. The water quality data review included data collected by the Texas Commission on Environmental Quality (TCEQ) and recent summary reports published by TCEQ.

The most recent EPA-approved Texas Integrated Report for Clean Water Act Sections 305(b) and 303(d) list (2010) was reviewed. The information from the 2010 303(d) list was used to complete the Notice of Intent form as required by TCEQ. This list was reviewed for the purpose of identifying pollutants of concern to assist the City of Temple in selecting appropriate BMPs.

Two TCEQ classified stream segments receive storm water runoff indirectly from the City of Temple urbanized area, Little River (Segment 1213) and Leon River below Belton Lake (Segment 1219).

Little River (Segment 1213)

Little River (Segment 1213) is a classified stream segment that extends 104 miles from the confluence with the Brazos River in Milam County to the confluence of the Leon River and the Lampasas River in Bell County. Little River is designated for the following beneficial uses: Aquatic Life Use, General Use, and Public Water Supply Use. It was listed as impaired for Recreation and Swimming.

Segment 1213 was listed on the 2010 303(d) list as being impaired due to bacteria. It was categorized as Category 5c, meaning that additional data and information will be collected before a TMDL is scheduled. The 2010 Texas Integrated Report – Water Bodies with Concerns (TCEQ, November 18, 2011), listed Segment 1213 as being a concern due to elevated nitrate.

According to the 2010 Texas Integrated Report – Potential Sources of Impairments and Concerns (TCEQ, November 18, 2011), the following concerns/impairments and sources were noted:

- From the confluence with Brazos River upstream to confluence with City of Cameron WWTP receiving water
    - E-coli Sources (Impairment): NPS-Agriculture; NPS-Non-Point Source; PS- Municipal Point Source Discharges
    - Nitrate Sources (Concern): NPS-Agriculture; NPS-Non-Point Source; PS- Municipal Point Source Discharges
- From City of Cameron WWTP receiving water upstream to the confluence with the San Gabriel River
    - Nitrate Sources (Concern): NPS-Agriculture; NPS-Non-Point Source; PS- Municipal Point Source Discharges
- From confluence with San Gabriel River upstream to confluence with Boggy Creek

- Nitrate Sources (Concern): NPS-Agriculture; NPS-Non-Point Source; PS- Municipal Point Source Discharges

- From confluence with Boggy Creek to upstream to its confluence with Leon and Lampasas
  - E-coli Sources (Impairment): NPS-Agriculture; NPS-Non-Point Source; PS- Municipal Point Source Discharges

Leon River below Belton Lake (Segment 1219)

Leon River below Belton Lake (Segment 1219) is a classified stream segment, which extends 17 miles from its confluence with the Lampasas River to Belton Dam in Bell County. Designated uses for Segment 1219 include aquatic life use, contact recreation use, general use, fish consumption use, and public water supply use. This segment was not listed on the 2010 303(d) list.

According to the 2010 Texas Integrated Report – Water Bodies with Concerns (TCEQ, November 18, 2011), Segment 1219 was noted as being a concern due to elevated nutrient concentrations (nitrate and orthophosphorus).

According to the 2010 Texas Integrated Report – Potential Sources of Impairments and Concerns (TCEQ, November 18, 2011), the following concerns and sources were noted:

- For the entire segment
  - Orthophosphorus Sources: NPS Municipal (Urbanized High Density Area) Runoff; UNK - Unknown
  - Nitrate Sources: NPS Municipal (Urbanized High Density Area) Runoff; UNK - Unknown

2.4 Other City Activities Requiring Storm Water Permit Coverage

Draughon-Miller Central Texas Regional Airport is operated by the City of Temple and is covered under Multi-Sector General Permit (TXR05M524 dated January 25, 2002) and a SPCC Plan (August 2009) developed by Blackshare Environmental Solutions

The Doshier Farm Wastewater Treatment Plant (WWTP) is owned by the City of Temple and operated by Operations Management International, Inc. A Storm Water Pollution Prevention Plan (SWPPP) has been prepared for the Doshier Farm WWTP located at 2515 E. Avenue H in Temple, Bell County, Texas as required for compliance with the Texas Pollutant Discharge Elimination System (TPDES) Multi-Sector General Permit No. TXR050000 relating to storm water discharge associated with Industrial Activity for Sector T (Treatment Works).

The City of Temple is also required to obtain a construction general permit for any City construction activity, which disturbs one or more acres of land in accordance with conditions of the general permit (General Permit No. TXR150000) for Construction Storm Water Runoff covering eligible storm water and certain types of non-storm water discharges to surface water in the state.

3.0 ACTIVITIES CONDUCTED IN SUPPORT OF PROGRAM DEVELOPMENT

Many activities were performed to support the Storm Water Management Program Development for the City of Temple, as described below:

- Review of existing storm water program information provided by the City
- Review of the City's storm water related ordinances
- Review of the City's existing storm water mapping information
- Review of available water quality data in the Temple area
- Facilitated meetings with City departments
- Reviewed City facilities
- Prepared a technical report summarizing the above information
- Developed measurable goals and draft SWMP
- Established Storm Water Revenue needs for program implementation
- Presented the SWMP to Stakeholders Committee.
- Presented the final SWMP to the City Council for approval.

4.0 SUMMARY OF PHASE II STORM WATER REGULATIONS AND PROGRAM REQUIREMENTS

4.1 Regulatory Chronology

The current effort to improve the water quality in the Nation's streams started in 1972 with the passage of the Clean Water Act. The main emphasis of this legislation was to establish a system to control pollution from point sources, with the goal of reducing pollutants so that the water in our lakes and streams is both fishable and swimmable. To achieve this goal, the CWA established the National Pollutant Discharge Elimination System (NPDES). The NPDES requires that anyone discharging a pollutant from a municipal wastewater or industrial point source must obtain an NPDES permit, which specifies effluent limits, monitoring requirements, and enforcement mechanisms.

The CWA also contains regulations to address pollution from diffuse, non-point sources. The EPA defines non-point source pollution as "any pollution associated with diffuse land use activities that cumulatively results in water quality degradation." Phase I of the NPDES regulations required municipalities with populations over 100,000 to classify their storm water runoff and develop programs to reduce the pollutants in their runoff.

On December 8, 1999, U.S. EPA promulgated regulations, known as Phase II, requiring permits for storm water discharges from small MS4s and required small MS4s to obtain permit coverage by March 10, 2003. Since Texas has delegation authority to administer the NPDES program in the State, the Texas Commission on Environmental Quality (TCEQ) developed and released their draft Texas Pollutant Discharge Elimination System (TPDES) Small MS4 General Permit on September 1, 2002 to meet the March 10th deadline.

A series of lawsuits followed the permit release, which ultimately ended up in the 9th Circuit Court. A suit brought by business groups, developers and a coalition of Texas cities and counties challenged the constitutionality of the Phase II regulations. On January 14, 2003, the U.S. 9th Circuit Court issued its decision in *Environmental Defense Center et al. vs. EPA*. The ruling upheld the Phase II regulations on all but 3 of the 20 issues that were contested. On September 15, 2003, the U.S. 9th Circuit Court of Appeals issued a revised panel decision, which denied all petitions for rehearing and remanded portions of the rule affecting small MS4s to the EPA. The Court found that portions of the federal regulations were not consistent with the Clean Water Act, because the Phase II rules did not address permitting authority review and public participation and notification. The three issues that were remanded back to EPA required that the NOI and SWMP be made available to the public and undergo meaningful review by the State to determine if the MEP standard is met, and there must be a process to accommodate public hearings.

An EPA guidance memo, dated April 16, 2004, was issued to permitting authorities and the TCEQ revised and released their second draft TPDES Small MS4 General Permit on August 8, 2005. After a second public comment period, the TCEQ revised and released the final TPDES Small MS4 General Permit on August 13, 2007. This permit expired in 2012.

The TCEQ renewed the TPDES Small MS4 General Permit on December 13, 2013. This renewal allowed for an additional five years on the Storm Water Management Plans. Small MS4s were required to create a new or updated Storm Water Management Plan for their Urban Area.

4.2 Summary of Federal Regulatory Requirements

The final Phase II NPDES regulations were published on December 8, 1999. In developing the federal NPDES regulations for small MS4s, the EPA was able to build upon their experience with Phase I MS4s. Based on a survey of the successful Phase I municipal programs, the EPA recognized that successful storm water quality programs have several things in common, including that they:

- Educate the public on storm water impacts
- Involve the public in the development and operation of the program
- Establish procedures to detect and eliminate pollutant discharges
- Control storm water runoff from construction sites
- Require permanent controls for post-construction storm water runoff
- Include good housekeeping practices for municipal operations

The EPA refers to these items as "minimum control measures", and the Phase II regulations require the City of Temple to "develop, implement, and enforce a storm water program to reduce the discharge of pollutants to the Maximum Extent Practicable, to protect water quality, and satisfy the appropriate water quality requirements of the Clean Water Act."

4.3 Summary of State TPDES Permit TXR040000 Requirements

The Texas Commission on Environmental Quality (TCEQ) adopted a TPDES Small MS4 General Permit to authorize discharges of storm water from small MS4s located in the state of Texas to Water of the United States. This Small MS4 General Permit is briefly summarized below and a complete copy is located in ***Appendix 4 - TPDES Small MS4 General Permit for Storm Water Discharges from Small MS4s.***

4.3.1 Permit Applicability and Coverage

This section of the Small MS4 General Permit states that an MS4 that is fully or partially within urbanized areas is eligible for this permit and must obtain authorization for the discharge of storm water runoff. Any small MS4 that the Executive Director may require to submit an application for authorization to discharge storm water from the system is eligible for coverage under this permit.

Small MS4s seeking to obtain coverage pursuant to TPDES Small MS4 General Permit No. TXR040000 are required to submit a completed Notice of Intent (NOI) with a SWMP. The operators of the Small MS4 must submit an NOI within one hundred and eighty (180) days following the effective date of the Small MS4 General Permit. The Small MS4 General Permit specifically states:

> *"Operators of small MS4s described in Part II.A.1 that were required to obtain authorization under the previous TPDES General Permit TXR040000 based on the 2000 UA map shall submit an NOI and revised SWMP within 180 days following the effective date of this general permit."*

The TPDES Small MS4 General Permit renewal became effective on December 13, 2013 and the deadline for submission of the NOI and SWMP is June 11, 2014. The Small MS4 General Permit requires that an application fee of $100.00 be submitted with the NOI. A SWMP Cover Sheet must be completed and attached to the front of the SWMP. One (1) copy of the NOI and SWMP must be submitted with the original NOI and SWMP. A copy of the NOI is provided in ***Appendix 2 - Notice of Intent Form.***

Upon notification from the TCEQ Office of Chief Clerk, the City will comply with public notice requirements by publishing notice in the newspaper of largest circulation in Bell County. The Temple Daily Telegram and the Killeen Daily Herald are roughly equal in their circulation; therefore, the City will publish in the local newspaper, the Temple Daily Telegram. The notice will include the executive director's preliminary determination on the NOI and SWMP. The notice must also include the following information:

- The legal name of the MS4;
- Identify whether the NOI is for a new small MS4 or a renewal of an existing operation;

- The City's address
- A brief summary of the information included in the NOI (general location and description of classified receiving waters that receive discharges from the small MS4;
- The location and mailing address for the public to provide comments to TCEQ;
- The public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be reviewed;
- If required by the executive director, the date, time, and location of the public meeting.

The public comment period begins on the first date that the notice is published and ends 30-days later, unless a public meeting is scheduled. If TCEQ determines that there is a significant public interest, the City will be instructed to publish a notice of public meeting and hold a public meeting in Bell County. If a public meeting is held, then the public comment period ends at the closing of the public meeting.

4.3.2 List of Allowable Non-Storm Water Discharges

The Small MS4 General Permit provides that certain non-storm water sources may be discharged from the Small MS4 and are not required to be addressed in the Small MS4 operator's Illicit Discharge minimum control measure, provided that these sources have *not* been determined by the operator or the TCEQ to be significant contributors of pollutants. These allowable non-storm water discharges are listed below:

- Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
- Discharges from potable water sources;
- Diverted stream flows;
- Rising ground waters and springs;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Foundation and footing drains;
- Air conditioning condensation;
- Water from crawl space pumps;
- Individual residential vehicle washing;
- Flows from wetlands and riparian areas;
- Dechlorinated swimming pool discharges;
- Street wash water;
- Discharges or flows from fire fighting activities(fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
- Other allowable non-storm water discharges listed in 40 CFR § 122.26 (d)(2)(iv)(B)(1);

- Non-storm water discharges specifically listed in the TPDES Multi-Sector General Permit (MSGP) or the TPDES Construction General Permit (CGP); and
- Other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these discharges.

The City of Temple does not consider any of these non-storm water sources to be a significant contributor of pollutants to their MS4 and will therefore adopt the TCEQ's list of allowable non-storm water discharges with no further modifications.

4.3.3 Storm Water Management Program Requirements

This section of the Small MS4 General Permit again states that the SWMP must be developed and implemented for discharges of storm water that reach "Waters of the United States." *See id.* Part. III at 21. The Small MS4 General Permit also states that the SWMP must be "developed, implemented, and enforced to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act and the Texas Water Code" *See id.* The "maximum extent practicable" ("MEP") standard is common in EPA's storm water regulations and permits, but it is not defined,[1] so it is a very subjective standard for the operator of the Small MS4 to meet. EPA has stated: "Compliance with the conditions of the Small MS4 General Permit and the series of steps associated with identification and implementation of the minimum control measures will satisfy the MEP standard." 64 Fed. Reg. at 68,754.

The TPDES Small MS4 General Permit (TXR040000) identifies seven minimum control measures, which are as follows:

- Public Education, Outreach, and Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Storm Water Runoff Control
- Post-Construction Storm Water Management in New Development and Redevelopment
- Pollution Prevention and Good Housekeeping for Municipal Operations
- Industrial Storm Water Sources
- Authorization for Municipal Construction Activities where the Small MS4 is the Site Operator

The first six minimum control measures are required components of the SWMP; however, the seventh measure is optional and is an alternative to the MS4 operator seeking separate coverage under the TPDES construction general permit (TXR150000). The sixth minimum control measure is only required for level four small MS4s. The city of Temple is considered a level three with a total population of 66,102 according to the 2010 Census.

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[1] EPA even notes in one guidance document: "There is no regulatory definition of MEP in order to allow the permitting authority and regulated MS4s maximum flexibility in their interpretation of it as appropriate." EPA, Office of Water, "Storm Water Phase II Compliance Assistance Guidance" at 4-17 (Mar. 2000).

As part of the general requirements for the SWMP, the permittee must provide documentation, implementation, and evaluation of the SWMP. This information is provided in detail in section ***5.0 Temple's Program for the Required Minimum Control Measures.***

4.3.4 Numeric Effluent Limitations

The Small MS4 General Permit requires that all discharges of storm water runoff from concrete batch plants be monitored four times per year and meet numeric effluent limitations for four parameters, which are summarized below:

Table 1: Summary of Effluent Limitations

Parameter	Limitations – Daily Maximum
Oil and Grease	15 mg/L
Total Suspended Solids	100 mg/L
pH	Between 6 and 9 standard units
Total Iron	1.3 mg/L

4.3.5 Record Keeping and Reporting

The Small MS4 General Permit requires the operator of the Small MS4 to retain all records, a copy of the Small MS4 General Permit, and records of all data to complete the NOI and satisfy the public participation requirements, for a period of at least three years or for the remainder of the term of the Small MS4 General Permit, "whichever is longer." *Id.* at pt. IV.A.1. at 28. Because the permit term is five years, it appears that the minimum period of time to maintain such information will be five years.

The Small MS4 General Permit also contains provisions regarding how records related to the SWMP are to be made available to the public. The Small MS4 General Permit requires the operator of the Small MS4 to make the records, including the NOI and the SWMP, available to the public if requested to do so in writing. The Small MS4 General Permit states:

> *Copies of the SWMP must be made available within 10 working days of receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act.*

A concise annual report must be submitted by the City of Temple to the Executive Director within 90 days of the end of each reporting year. The reporting year may include either: the permit year; the City's fiscal year; or the calendar year. The City of Temple has chosen to have the reporting year encompass the permit year which will begin on December 13th each year. The annual report must be prepared and submitted regardless of whether the City's SWMP and NOI have been approved by TCEQ. The permit term began when the TPDES Small MS4 General Permit No. TXR040000 was signed into effect

(December 13, 2013). The permit years and deadlines for annual reports are specified below.

Year	Reporting Cycle	Annual Report Due Date
1	12/13/2013 – 12/12/2014	03/12/2015
2	12/13/2014 – 12/12/2015	03/12/2016
3	12/13/2015 – 12/12/2016	03/12/2017
4	12/13/2016 – 12/12/2017	03/12/2018
5	12/13/2017 – 12/12/2018	03/12/2019

A copy of the annual report must be readily available for review by authorized TCEQ personnel upon request. The report must contain a number of elements including:

- Status of compliance with permit conditions, assessment of appropriateness of BMPs, progress towards achieving statutory goal of reducing discharge of pollutants, measureable goals for each MCM, and evaluation of the success of the implementation of the measurable goals.
- Summary of results of information collected and analyzed
- Summary of activities taken to address the discharge to impaired water bodies, including sampling reports and a summary of the BMPs used to address the pollutant of concern
- A summary of activities planned for the next reporting cycle
- Proposed changes to the storm water management program
- Description and schedule for implementation of additional BMPs that may be necessary to comply with TMDLs and implementation plans
- Notice that the MS4 is relying on another government entity to satisfy some of its obligations
- Number of municipal construction activities authorized under this general permit and total number of acres disturbed (Optional 7th MCM)
- Number of non-municipal construction activities that occurred within the jurisdiction

A proposed report format is provided in ***Appendix 5 - Proposed Annual Report Outline.***

4.3.6 Standard Permit Conditions

The Small MS4 General Permit identifies ten standard permit conditions, which are summarized below:

- The permittee has a duty to comply with all permit conditions and failure to so is a violation of the permit
- The fact that compliance with the permit conditions may require the permitted activity to be halted or reduced is not a defense for a discharger in an enforcement action.
- The permittee shall take all reasonable steps to minimize or prevent discharge.
- The executive director may revoke or suspend the authorization under this general permit.

- The permittee shall properly operate and maintain all facilities and systems of treatment and control.
- The TCEQ shall be allowed inspection and entry to any part of a facility or site as provided in Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 CFR §122.41(i).
- The discharger is subject to administrative, civil, and criminal penalties under Texas Water Code Chapters 26, 27, and 28, and the Texas Health and Safety Code, Chapter 361 for certain violations.
- Signatory and authorized persons requirements set forth in 30 TAC § 305.128 must be followed for all reports and other information requested by the executive director.
- Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.
- The permittee must implement its SWMP on any new areas under its jurisdiction that are located in a UA within 3 years of acquiring the new area or 5 years from the date of the original SWMP, whichever is later.

5.0 TEMPLE'S PROGRAM FOR THE REQUIRED MINIMUM CONTROL MEASURES

5.1 MCM #1 - Public Education, Outreach, and Involvement

An effective public education program can significantly reduce other program costs, such as inspection and enforcement costs for the illicit discharge program. Informed citizens and business owners will usually take steps to reduce potential pollution from their own activities. In order for any regulatory program to be successful, especially a program dealing with storm water runoff where program benefits may not be readily apparent, public "buy in" to the regulatory process must be obtained.

As specified in the TCEQ Cover Sheet, the SWMP must include *"the following required elements:*

1. *Define the goals and objectives of the program based on high priority community-wide issues.*
2. *Identify a target audience*
3. *Develop or utilize appropriate educational materials*
4. *Determine cost effective and practical methods and procedures for distribution*
5. *Consider using public input*
6. *Create opportunities for citizens to participate in control measures*
7. *Ensure public can easily find information about the SWMP*

The list of BMPs below has been developed to modify the method and message on a regular basis in order to keep the program fresh and effective. They have also been developed to easily allow the public to become involved. The City of Temple will utilize five different BMPs to inform the public about the impacts that storm water runoff can have on water quality, hazards associated with illegal discharges, the improper disposal of waste and steps that they can take to reduce pollutants in storm water runoff. The City of Temple will utilize eight BMPs to allow the public to participate in the storm water program.

- PEI-1 Storm Water Education to Students
- PEI-2 Storm Water Web Site
- PEI-3 Storm Water Brochures
- PEI-4 Utility Bill Inserts
- PEI-5 Public Service Announcements
- PEI-6 Storm Drain Marking
- PEI-7 Reforestation Programs
- PEI-8 Storm Water Stakeholder Committee

The following BMP sheets describe individual BMPs in Temple's Storm Water Management Program. The City Department that has the primary responsibility for implementing the BMP is listed in Responsible Authority section. The primary department is listed in bold type font with an "*" and any supporting departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Temple's Public Education BMPs target all six sectors of the public including residents, visitors, public service employees, businesses, commercial/industrial facilities and construction site personnel.

STORM WATER EDUCATION TO STUDENTS

PEI-1

RESPONSIBLE AUTHORITY

***Engineering**
Temple ISD

APPLICABILITY

X Residents

Visitors

Public Service Employees

Businesses

Commercial/ Industrial

Construction

DESCRIPTION

An education program will be continued to educate students on storm water related issues. Some examples of educational materials are storm water related book covers, storm water educational videos, exhibits and displays of storm water points. The City will create displays and examples of the effects of storm water runoff to display to approximately 300 students at the annual Public Works Week events.

RATIONALE FOR SELECTION

- Student education has been shown to be a very effective way to increase environmental awareness of children as well as their parents.
- This program will be available to all students in the Temple Independent School District.
- Promotes public involvement of students and parents.
- This BMP was the highest ranked of the public education BMP's that were reviewed by the City's Storm Water's Stakeholders Group.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Create a presentation & display of storm water facts. • Present the information to the students that attend the event.	Attendance list & photos
2	• Create a presentation & display of storm water facts. • Present the information to the students that attend the event.	Attendance list & photos
3	• Create a presentation & display of storm water facts. • Present the information to the students that attend the event.	Attendance list & photos
4	• Create a presentation & display of storm water facts. • Present the information to the students that attend the event.	Attendance list & photos
5	• Create a presentation & display of storm water facts. • Present the information to the students that attend the event.	Attendance list & photos

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
City of Garland Stormwater Management, *Teacher Tubs.* http://www.ci.garland.tx.us/stormH2O/swttubs.htm
Scientific Software Group, http://www.scisoftware.com/products/enviroscape_details/enviroscape_details.html
Salt Lake County Stormwater Coalition, 2007. Lesson Plans and Activities, Class Curriculum Handbook, http://www.stormwatercoalition.org/pdf/lessonPlans/lesson05.pdf

City of Temple	**STORM WATER WEB SITE**	**PEI-2**

RESPONSIBLE AUTHORITY

***Engineering**
Public Information

APPLICABILITY

X Residents

X Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

The City developed a stormwater web page on the City web site that specifically addresses storm water related issues. The Storm Water Web Site promotes and advertises upcoming Public Involvement events such as Storm Drain Marking (PEI-6) events, the City's Reforestation Program (PEI-7), and Stakeholders Meetings (PEI-8) through an on-line Community Events Calendar. The web site also publicizes stormwater ordinances and illicit discharge BMPs such as Household Hazardous Waste Collection (ID-6) and Used Oil Collection and Recycling (ID-7). The web site is used to collect information submitted by the public regarding construction activities as required by TPDES regulations. The web page is able to reach a wide variety of audiences including residents, visitors, City employees, business owners, commercial and industrial operators and construction site operators.

RATIONALE FOR SELECTION

- The City currently maintains a web site that can be modified to include a storm water page with links from several of the existing department pages.
- A storm water page is an excellent tool for relaying an unlimited amount of information about storm water issues and activities.
- The web page can educate the public on City ordinances such as prohibiting Illicit Discharge, Illegal Dumping, Erosion Control, and Post-Construction.
- Will allow the public to submit information to the City regarding Construction Activities as required by regulation.
- The Storm Water Stakeholders Group selected this BMP as the second highest priority BMP for Public Education.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop link to Storm Water Management Plan • Maintain web-site link	1 Storm Water Management link
2	• Develop Annual Reports web page • Maintain web-site link	1 Annual Reports web page
3	• Develop Post Construction web page • Maintain web-site link	1 Post Construction web page
4	• Develop Construction web page • Maintain web-site link	1 Construction web page
5	• Develop Good Housekeeping web page • Maintain web-site link	1 Good Housekeeping web page

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
City of Dallas Storm Water Quality Division, 2001. http://www.trinity-trudy.org/index.htm

STORM WATER BROCHURES

PEI-3

RESPONSIBLE AUTHORITY

***Engineering**

APPLICABILITY

X Residents

X Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

These are printed materials used to convey detailed information on specific topics related to storm water management. The brochures will be distributed to kiosks located at City Hall, City Service Center, Temple Public Library, Frank W. Mayborn Convention Center, Chamber of Commerce, Visitors Center, Water Treatment Plant and the Draughan-Miller Central Texas Regional Airport. . The brochures will also be available in PDF format on the City's Storm Water Web Page (PEI-2). The brochures will be included in site inspection reports to the developers and builders with active construction sites.

RATIONALE FOR SELECTION

- This BMP was ranked third by the Storm Water Stakeholders Committee
- May be tailored to specific storm water quality problems in the City
- Brochures can be used to compliment other BMPs including handouts during Student Education (PEI-1) and distributed to developers and builders with their site inspection reports (C-2).

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Design a new brochure and door hanger that includes input from other city divisions and how they affect the storm water system.	New brochure & door hanger
2	• Order and have 1,000 brochures printed. • Distribute brochures to kiosks, students, developers & builders	1,000 brochures ordered, printed and distributed
3	• Order and have 1,000 brochures printed. • Distribute brochures to kiosks, students, developers & builders	1,000 brochures ordered, printed and distributed
4	• Order and have 1,000 brochures printed. • Distribute brochures to kiosks, students, developers & builders	1,000 brochures ordered, printed and distributed
5	• Order and have 1,000 brochures printed. • Distribute brochures to kiosks, students, developers & builders	1,000 brochures ordered, printed and distributed

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

UTILITY BILL INSERTS

PEI-4

RESPONSIBLE AUTHORITY

***Engineering**
Utility Billing Office

APPLICABILITY

X Residents

Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

Construction

DESCRIPTION

These are short printed inserts that are included in Temple's water utility bill to educate the public with brief and concise information on a variety of storm water related topics. The following messages are suggested for utility bill inserts:

- Inserts to explain the storm water utility fee (if modified)
- Advertisement of the City's Storm Water Web Site (PEI-2)
- Advertisement of the City's Household Hazardous Waste Collection (ID-6)
- Inserts informing the public of ordinances such prohibiting illicit discharge (ID-3) and Illegal Dumping (ID-4)
- Promotion of the City's Used Oil Collection and Recycling Program (ID-7)

RATIONALE FOR SELECTION

- This BMP was highly rated by the Storm Water Stakeholders Committee, and was the fourth highest priority BMP for public education.
- Will promote and advertise other public education and illicit discharge BMPs.
- The City currently uses utility bills to distribute consumer confidence reports and could easily distribute inserts with storm water information.
- Will inform the public of new TCEQ regulations that the City must comply with and justifications for increases to the drainage utility fee (if applicable).
- TCEQ and EPA have numerous outreach materials including messages for inserts, brochures, placemats, bookmarks, magnets, and posters that can be downloaded and customized for the City of Temple's Storm Water Management Program.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Distribute 1 insert with 1 monthly bill to all City of Temple water customers.	1 insert per water customer distributed.
2	• Distribute 1 insert with 1 monthly bill to all City of Temple water customers.	1 insert per water customer distributed.
3	• Distribute 1 insert with 1 monthly bill to all City of Temple water customers.	1 insert per water customer distributed.
4	• Distribute 1 insert with 1 monthly bill to all City of Temple water customers.	1 insert per water customer distributed.
5	• Distribute 1 insert with 1 monthly bill to all City of Temple water customers.	1 insert per water customer distributed.

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
USEPA, 2007. Stormwater Outreach Material and Reference Documents. http://cfpub.epa.gov/npdes/stormwatermonth.cfm
TCEQ, 2007. Nonpoint Source Pollution: Public Education. http://www.tceq.state.tx.us/assistance/education/nps.html

City of Temple	**PUBLIC SERVICE ANNOUNCEMENTS**	**PEI-5**

RESPONSIBLE AUTHORITY

***Engineering**
Public Information

APPLICABILITY

- X Residents
- X Visitors
- X Public Service Employees
- X Businesses
- X Commercial/ Industrial
- X Construction

DESCRIPTION

These are announcements broadcast on local media that address storm water related topics such as recycling, proper pesticide and fertilizer use, and proper household chemicals disposal. The City of Temple will utilize spots that are available on the City's Time Warner cable access channel. Public service announcements will highlight special events such as the City's annual Household Hazardous Waste Disposal program (ID-6), Storm Drain Marking events (PEI-6) and Tree Planting events (PEI-7). The PSAs will also promote the City's Storm Water Web Site (PEI-2) and on-going programs such as Used Oil Collection and Recycling (ID-7).

RATIONALE FOR SELECTION

- This BMP is important since it has great potential to reach all groups that the TPDES general permit requires to be informed, including visitors to the City of Temple.
- This BMP was also ranked fifth among the public education BMPs by the Storm Water Stakeholders Committee.
- PSAs compliment other public education, public involvement and illicit discharge BMPs that the City has chosen as part of their SWMP.
- PSA's can be created within the City with the help of the Director of Communications and the IT department.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Create 6 storm water public service announcements. • Have PSA's broadcasted on City's cable channel.	6 PSA's broadcasted
2	• Create 6 storm water public service announcements. • Have PSA's broadcasted on City's cable channel.	6 PSA's broadcasted
3	• Create 6 storm water public service announcements. • Have PSA's broadcasted on City's cable channel.	6 PSA's broadcasted
4	• Create 6 storm water public service announcements. • Have PSA's broadcasted on City's cable channel.	6 PSA's broadcasted
5	• Create 6 storm water public service announcements. • Have PSA's broadcasted on City's cable channel.	6 PSA's broadcasted

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
Earth 911, 2007. PSA Multimedia Library. http://www.earth911.org/master.asp?s=psa&a=psa/psa.asp

	STORM DRAIN MARKING	PEI-6

RESPONSIBLE AUTHORITY

***Engineering**
GIS

APPLICABILITY

X Residents

X Visitors

Public Service Employees

X Businesses

X Commercial/ Industrial

Construction

DESCRIPTION

This activity consists of volunteers affixing plastic buttons with a "don't dump" message to storm drain inlets. This marking effort will focus on areas of the City known to be more problematic. Students and involved community citizens can mark inlets through classroom education projects and community involvement projects. Temple will try to utilize as many organizations as possible including Boy Scouts / Girl Scouts to mark the inlets. Establishing this BMP in this manner will provide many educational opportunities as well as getting the job done. Developing guidance documents and storm drain inlet maps will standardize the process and also allow the City to direct volunteers to locations were buttons have not been applied. The City's GIS department will then update the maps in preparation for next year's event. Events will be publicized through various Public Education BMPs including the Storm Water Web Site (PEI-2), Utility Bill Inserts (PEI-4) and PSAs (PEI-5).

RATIONALE FOR SELECTION

- Storm drain marking has been used by many municipalities and is generally a very effective BMP that is relatively inexpensive and easy to implement.
- Greater effectiveness is achieved when various volunteer groups and organizations are utilized to mark the inlets.
- The Storm Water Stakeholders Group selected this as the highest priority BMP for Public Involvement.
- May be publicized and coordinated with Public Education BMPs.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Advertise program to organizations • Hold/sponsor 1 marking events • Update marked inlet GIS coverage	At least 1 marking event
2	• Advertise program to organizations • Hold/sponsor 1 marking events • Update marked inlet GIS coverage	At least 1 marking event
3	• Advertise program to organizations • Hold/sponsor 1 marking events • Update marked inlet GIS coverage	At least 1 marking event
4	• Advertise program to organizations • Hold/sponsor 1 marking events • Update marked inlet GIS coverage	At least 1 marking event
5	• Advertise program to organizations • Hold/sponsor 1 marking events • Update marked inlet GIS coverage	At least 1 marking event

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
North Central Texas Council of Governments, Storm Drain Curb Marking Program, http://www.dfwstromwater.com/fy2k/curbmarker.html
City of Fort Worth, Environmental Management Department, http://www.fortworthgov.org/DEM/fishsign.htm

REFORESTATION PROGRAMS

PEI-7

RESPONSIBLE AUTHORITY

***Engineering**
Parks and Leisure Services

APPLICABILITY

X Residents

Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

Reforestation programs strive to preserve and restore forested buffers adjacent to waterbodies. These programs utilize volunteers to initiate tree-planting activities to establish forested buffers along stream corridors. Trees and forested buffers reduce runoff through interception and increased infiltration. Forested buffers act to filter pollutants, reduce flood hazards, provide shade and aesthetic benefits, provide wildlife habitat and reduce urban heat index. This BMP will be integrated with existing programs and organizations such as Keep Temple Beautiful (KTB). Temple has earned the designation of Tree City USA and has an annual A Tree For Me tree giveaway. The City maintains a tree nursery and the Parks Department employs an urban forester to investigate violations of the tree ordinance.

RATIONALE FOR SELECTION

- The Storm Water Stakeholder Committee ranked this BMP second among the Public Involvement BMPs
- Integrates well with existing programs and Tree City USA designation
- The City maintains a tree nursery at Doshier Farm WWTP
- The Parks Department employs an urban forester to plan and organize events
- May be coordinated and promoted through the Keep Temple Beautiful organization
- Reforestation Program planting activities can be promoted through many of the Public Education BMPs including the City's web site (PEI-2) and PSAs (PEI-5)

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Co-sponsor 1 tree planting event • Post event on activities calendar on web site • 1 media announcement (PSA)	Photos of Event Web Page 1 PSA
2	• Co-sponsor 1 tree planting event • Post event on activities calendar on web site • 1 media announcement (PSA)	Photos of Event Web Page 1 PSA
3	• Co-sponsor 1 tree planting event • Post event on activities calendar on web site • 1 media announcement (PSA)	Photos of Event Web Page 1 PSA
4	• Co-sponsor 1 tree planting event • Post event on activities calendar on web site • 1 media announcement (PSA)	Photos of Event Web Page 1 PSA
5	• Co-sponsor 1 tree planting event • Post event on activities calendar on web site • 1 media announcement (PSA)	Photos of Event Web Page 1 PSA

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
Texas Forest Service, 2007. Urban Forestry. http://txforestservice.tamu.edu

	STORM WATER STAKEHOLDERS COMMITTEE	PEI-8

RESPONSIBLE AUTHORITY

*Engineering

APPLICABILITY

X Residents

Visitors

Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

People from the community that have a vested interest in a municipality's storm water program are commonly assembled into a stakeholder committee to provide guidance and input to city officials. Stakeholders provide guidance on a particular issue facing the community and provide input during the planning and implementation phase. Stakeholders include citizens, local school groups, community leaders, government representatives, developers, and business owners.

The City of Temple assembled a diverse group of stakeholders to assist the City in developing their Storm Water Management Program. The Storm Water Stakeholder Committee will reconvene annually to review the progress toward BMP implementation and suggest changes if certain program elements or BMPs are not functioning as intended.

RATIONALE FOR SELECTION

- This BMP was ranked third by the Storm Water Stakeholder Committee.
- The current Stakeholder Committee was very interested in the SWMP development and meetings were well attended.
- This committee will meet annually to review the annual report and recommend changes, if necessary.
- The stakeholders will provide feedback to the City and also inform their representative organization on the City's Storm Water Management Program.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Hold 1 stakeholder meeting to review annual report	Attendance sheet Meeting minutes
2	• Hold 1 stakeholder meeting to review annual report	Attendance sheet Meeting minutes
3	• Hold 1 stakeholder meeting to review annual report	Attendance sheet Meeting minutes
4	• Hold 1 stakeholder meeting to review annual report	Attendance sheet Meeting minutes
5	• Hold 1 stakeholder meeting to review annual report	Attendance sheet Meeting minutes

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

5.2 MCM #2 - Illicit Discharge Detection and Elimination

This program element is designed to ensure the elimination of illegal plumbing connections and discharges to the City of Temple's storm water system. The City is already performing some of the requirements of this program.

As specified in the TCEQ Cover Sheet, the SWMP must include *"the following required elements:*

1. *An up-to-date MS4 map with following information:*
   a. *Locations of all outfalls*
   b. *Names and locations of waters of the U.S. receiving discharges from the MS4*
   c. *Priority areas identified*
2. *Methods for informing and training MS4 field staff*
3. *Publicize and facilitate public reporting*
4. *Develop and maintain on site procedures for responding to illicit discharges and spills*
5. *Conduct investigations to identify and locate the source and document findings*
6. *Conduct inspections and follow-up inspections as needed to ensure compliance*

The list of BMPs below includes current and new activities that meet regulatory requirements and will aid Temple in the identification and elimination of illicit discharges.

- ID-1 Storm Drain System Mapping
- ID-2 Dry Weather Screening
- ID-3 Illicit Discharge Investigations
- ID-4 Reduce Illegal Dumping
- ID-5 Reduce Sanitary Sewer Overflows
- ID-6 Household Hazardous Waste Disposal
- ID-7 Used Oil Collection and Recycling

The following BMP sheets describe individual BMPs in Temple's Storm Water Management Program. The City Department that has the primary responsibility for implementing the BMP is listed in Responsible Authority section. The primary department is listed in bold type font with an "*" and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Temple's Illicit Discharge BMPs target all six sectors of the public including residents, visitors, public service employees, businesses, commercial/industrial facilities and construction site personnel.

City of Temple	**STORM DRAIN SYSTEM MAPPING**	**ID-1**

RESPONSIBLE AUTHORITY

***Engineering**
GIS

APPLICABILITY

X Residents

Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

To facilitate our illicit discharge detection and elimination program, the City of Temple will develop a storm sewer system map, which identifies the location of all outfalls and the names and locations of the waters of the U.S. to which they drain. The location of pipes, ditches and other conveyances associated with the storm sewer system will also be identified. The City currently utilizes paper maps, which will be updated to a Geographic Information System (GIS) using existing drainage maps. Supplemental information on outfall locations will be derived from visual inspections along stream banks. Precise locations of outfalls will be determined through the use of a Global Positioning System (GPS) during the dry weather screening.

RATIONALE FOR SELECTION

- A storm drain system map is a required component of this minimum control measure and must identify the locations of all outfalls to the MS4 and the names and locations of the surface waters to which they drain.
- The storm drain system map will facilitate the City's investigation of any identified illicit discharges.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Locate and map outfalls -GPS • Update System Map – Friar's Creek Watershed	Updated System Map Friar's Creek Watersheds
2	• Locate and map outfalls -GPS • Update System Map – Bird Creek Watershed	Updated System Map Bird Creek Watersheds
3	• Locate and map outfalls -GPS • Update System Map – Peppers Creek Watershed	Updated System Map Peppers Creek Watershed
4	• Locate and map outfalls -GPS • Update System Map – Little Elm Creek and Williamson Branch Watersheds	Updated System Map Little Elm Creek and Williamson Branch Watershed
5	• Locate and map outfalls -GPS • Update System Map – Knob and Boggy Creek Watersheds	Updated System Map Knob and Boggy Creek Watersheds

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
City of Lubbock, Texas. Storm Sewer System map, http://stormwater.ci.lubbock.tx.us/stmsewerref.htm

	DRY WEATHER SCREENING	ID-2

RESPONSIBLE AUTHORITY

*Engineering

APPLICABILITY

X Residents

Visitors

Public Service Employees

X Businesses

X Commercial/ Industrial

Construction

DESCRIPTION

The City of Temple staff will perform dry weather screening. Staff will walk creeks during dry weather periods to make visual inspections and perform limited chemical analysis with field test kits to monitor for the presence of certain chemicals or pollutants. If the chemical analysis indicates a concentration of pollutant that is above the allowable threshold limits, further investigation will be required. The City may utilize GPS equipment to document the location of the field tests, allowing them to be related to locations on the GIS storm drain system map for future reference and to document precise locations if environmental concerns are identified.

RATIONALE FOR SELECTION

- Dry weather screening will provide the initial level of detection for illegal connections to the MS4 from industrial or business wastewater sources.
- City staff has the ability to perform fluorescent dye testing, smoke testing and remote TV camera inspection for confirmation of suspected sources.
- Dry weather screening will be performed on a watershed basis focusing on all 7 watersheds per year.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Walk accessible reaches/perform tests for all Watersheds • Maintain tracking system/verify GIS map	Screening Map for all Watersheds
2	• Walk accessible reaches/perform tests for all Watersheds • Maintain tracking system/verify GIS map	Screening Map for all Watersheds
3	• Walk accessible reaches/perform tests for all Watersheds • Maintain tracking system/verify GIS map	Screening Map for all Watersheds
4	• Walk accessible reaches/perform tests for all Watersheds • Maintain tracking system/verify GIS map	Screening Map for all Watersheds
5	• Walk accessible reaches/perform tests for all Watersheds • Maintain tracking system/verify GIS map	Screening Map for all Watersheds

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Center for Watershed Protection, 2002. The Practice of Watershed Protection. Editors Thomas R. Scheuler and Heather K. Holland, Center for Watershed Protection, Elliot City, MD.

ILLICIT DISCHARGE INVESTIGATIONS

ID-3

RESPONSIBLE AUTHORITY

***Engineering**

APPLICABILITY

X Residents

Visitors

Public Service Employees

X Businesses

X Commercial/ Industrial

Construction

DESCRIPTION

Investigations will utilize appropriate detection methods such as fluorescent dye tests, smoke tests or remote TV camera inspection depending on the nature of the illicit discharge and the potential source. The City may utilize GPS equipment to document the location of the field tests, allowing them to be related to locations on the GIS storm drain system map for future reference and to document precise locations if environmental concerns are identified.

RATIONALE FOR SELECTION

- City staff has the ability to perform fluorescent dye testing, smoke testing and remote TV camera inspection for confirmation of suspected sources.
- Fluorescent dyes and smoke testing are relatively inexpensive.
- Results are available immediately in the field.
- Camera inspection also allows the condition of storm drain pipe to be observed.
- Allows location of illegal connection to be pinpointed to expedite correction
- Entry through city storm sewer lines may detect connections without having to gain access to private property.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop procedures for responding to illicit discharges and spills, also tracing & removing illicit discharge sources.	Procedures for responding to illicit discharges and spills
2	• Perform inspections	List of investigation types and locations
3	• Perform inspections	List of investigation types and locations
4	• Perform inspections	List of investigation types and locations
5	• Perform inspections	List of investigation types and locations

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Center for Watershed Protection, 2002. The Practice of Watershed Protection. Editors Thomas R. Scheuler and Heather K. Holland, Center for Watershed Protection, Elliot City, MD.

REDUCE ILLEGAL DUMPING

ID-4

RESPONSIBLE AUTHORITY

***Code Enforcement**
Police

APPLICABILITY

X Residents

X Visitors

X Public Service Employees

Businesses

Commercial/ Industrial

X Construction

DESCRIPTION

A plan to detect and address illegal dumping is a required component of illicit discharge detection and elimination, mandated under TPDES Phase II. Illegal dumping consists of disposal of waste in undesignated areas or pouring of liquid wastes or disposal of trash down storm drains. The most effective method of curbing illegal dumping is to implement an aggressive public education program.

The reduction and elimination of illegal dumping in Temple will depend on the implementation of a combination of enforcement and public education BMPs, which will inform citizens of the environmental concerns and legal implications of illegal dumping. Several of the public education BMPs including the Storm Water Web Site (PE-2), PSAs (PE-5), and Brochures (PE-3) will be used to educate the public about illegal dumping.

RATIONALE FOR SELECTION

- Programs to address illegal dumping are required by TPDES regulations.
- A targeted public education program, using several of the recommended public education BMPs should reduce the number of enforcement actions.
- The City's HHW Disposal Program (ID-6) and Used Oil Recycling Program (ID-7) will help also to reduce illegal dumping.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Enforce ordinance/maintain tracking system • Publicize with 1 PSA	List of citations 1 PSA
2	• Enforce ordinance/maintain tracking system • Publicize with 1 PSA	List of citations 1 PSA
3	• Enforce ordinance/maintain tracking system • Publicize with 1 PSA	List of citations 1 PSA
4	• Enforce ordinance/maintain tracking system • Publicize with 1 PSA	List of citations 1 PSA
5	• Enforce ordinance/maintain tracking system • Publicize with 1 PSA	List of citations 1 PSA

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm
Center for Watershed Protection, 2002. *The Practice of Watershed Protection.* editors Thomas R. Schueler and Heather K. Holland, Center for Watershed Protection, Ellicott City, MD.

City of Temple	**REDUCE SANITARY SEWER OVERFLOWS**	**ID-5**

RESPONSIBLE AUTHORITY

***Public Works Utility Services**

APPLICABILITY

- X Residents
- X Visitors
- X Public Service Employees
- X Businesses
- X Commercial/ Industrial
- Construction

DESCRIPTION

The City will continue to work towards eliminating sanitary sewer overflows (SSOs). These overflows can be caused by a number of factors including temporary blockages, flooding, and insufficient sewer capacity. Temple conducts periodic cleaning and preventative maintenance of the sewer system to prevent SSOs. The City is in the process of developing a grease trap ordinance to reduce the number of SSOs. The grease trap ordinance will include provisions for maintenance, sampling and owner notification.

RATIONALE FOR SELECTION

- The detection and correction of sanitary sewer overflows is a mandatory requirement for all Phase II MS4s.
- The City of Temple is currently participating in a Texas Commission on Environmental Quality SSO Outreach Initiative.
- The City is in the process of developing a grease trap ordinance to reduce the number of SSOs.
- Improves water quality
- Reduces human health risks
- Public involvement may be utilized to report incidents of SSOs

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Cleaning/preventative maintenance • Staff tracking of areas cleaned	Clean 270,000 linear feet / year
2	• Cleaning/preventative maintenance • Staff tracking of areas cleaned	Clean 270,000 linear feet / year
3	• Cleaning/preventative maintenance • Staff tracking of areas cleaned	Clean 270,000 linear feet / year
4	• Cleaning/preventative maintenance • Staff tracking of areas cleaned	Clean 270,000 linear feet / year
5	• Cleaning/preventative maintenance • Staff tracking of areas cleaned	Clean 270,000 linear feet / year

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Center for Watershed Protection, 2002. *The Practice of Watershed Protection*. editors Thomas R. Schueler and Heather K. Holland, Center for Watershed Protection, Ellicott City, MD.

U.S. EPA Region 6, James L. Graham, Jr, P.E., Chief of NPDES Enforcement TX/NM, http://www.epa.gov/earth1r6/6en/w/sso/sso.htm

HOUSEHOLD HAZARDOUS WASTE DISPOSAL

ID-6

RESPONSIBLE AUTHORITY

***Public Works**
Solid Waste Division

APPLICABILITY

X Residents

Visitors

X Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

The City of Temple currently participates in TCEQ's annual household hazardous waste collection days for the proper disposal of items such as paints, pesticides, fertilizers and other household chemicals. Temple will continue to sponsor annual events. The first line of defense against improper disposal of HHW is through public education. Many residents are simply unaware of the hazards associated with these products and methods for proper disposal. Public education and outreach materials will inform the public about proper storage, handling, and disposal of hazardous chemicals. The HHW collection days will be promoted through several of the public education BMPs including the City's Storm Water Web Site (PEI-2), PSAs (PEI-5) and newspaper notices.

RATIONALE FOR SELECTION

- Household chemicals are an important issue for the City of Temple, as the improper disposal of these materials into the sanitary sewer or storm drain system can pose significant risks to human health and the environment.
- This BMP was recommended by the Storm Water Stakeholders Group, and was the highest priority voluntary BMP for Illicit Discharge Detection and Elimination.
- Collection days can be promoted through PSAs and the City's web site.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Continue to Host Annual Collection Day • Advertise in Newspaper & web page • Document quantity of material collected	1 HHW Event 1 newspaper Ad & Web Page Quantity of HHW collected
2	• Continue to Host Annual Collection Day • Advertise in Newspaper & web page • Document quantity of material collected	1 HHW Event 1 newspaper Ad & Web Page Quantity of HHW collected
3	• Continue to Host Annual Collection Day • Advertise in Newspaper & web page • Document quantity of material collected	1 HHW Event 1 newspaper Ad & Web Page Quantity of HHW collected
4	• Continue to Host Annual Collection Day • Advertise in Newspaper & web page • Document quantity of material collected	1 HHW Event 1 newspaper Ad & Web Page Quantity of HHW collected
5	• Continue to Host Annual Collection Day • Advertise in Newspaper & web page • Document quantity of material collected	1 HHW Event 1 newspaper Ad & Web Page Quantity of HHW collected

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices*. http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Center for Watershed Protection, 2002. *The Practice of Watershed Protection*. editors Thomas R. Schueler and Heather K. Holland, Center for Watershed Protection, Ellicott City, MD.

Tennessee Department of Environment and Conservation, Household Hazardous Waste Program, http://www.state.tn.us/environment/dca/hhw.htm

Save the Harbor/Save the Bay, Alternatives to toxic household cleaners, http://www.savetheharbor.org/stormproject.html

USED OIL COLLECTION & RECYCLING

ID-7

RESPONSIBLE AUTHORITY

***Fleet Services**

APPLICABILITY

X Residents

Visitors

X Public Service Employees

Businesses

Commercial/ Industrial

Construction

DESCRIPTION

The City of Temple currently collects and recycles used oil from vehicle maintenance at the Fleet Service Center. Used oil from citizens is also accepted. This greatly reduces the City's disposal costs while also ensuring that the waste oils are not discharged into the local sewer system or creeks and waterways.

The Recycling Center is open to the public but needs to be advertised. This program will incorporate an educational component for the City employees and the public. Several of the public education BMPs including the City's Storm Water Web Site (PEI-2) and PSAs (PEI-5) will be used to inform citizens of the environmental concerns of improper disposal of waste oils and disposal alternatives that are available.

RATIONALE FOR SELECTION

- The City of Temple's Fleet Service Center utilizes tanks to store used oil from the City vehicles, which are recycled by a commercial contractor.
- The Recycling Center is open to the public but needs to be advertised.
- Comments raised during the Storm Water Stakeholder Meetings indicated that many citizens are unaware of this service.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Advertise (Web page and PSA) • Document used oil disposal	1 Web posting & 1 PSA Document disposal
2	• Advertise (Web page and PSA) • Document used oil disposal	1 Web posting & 1 PSA Document disposal
3	• Advertise (Web page and PSA) • Document used oil disposal	1 Web posting & 1 PSA Document disposal
4	• Advertise (Web page and PSA) • Document used oil disposal	1 Web posting & 1 PSA Document disposal
5	• Advertise (Web page and PSA) • Document used oil disposal	1 Web posting & 1 PSA Document disposal

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

North Central Texas Council of Governments, 1993. *Storm Water Quality Best Management Practices for Construction Activities.*

5.3 MCM #3 - Construction Site Storm Water Runoff Control

To date, control of construction site runoff has been the most publicly visible element of the storm water program. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. Therefore, this minimum control measure may generate more enforcement activity than all other storm water program control elements combined.

As specified in the TCEQ Cover Sheet, the SWMP must include *"the following required elements:*

1. *Develop, implement, and enforce a program requiring operators of small and large construction activities to select, install, implement, and maintain stormwater control measures to prevent illicit discharges or require SWP3*
2. *Prohibit the following discharges:*
   a. *Wastewater from washout of concrete and wastewater from water well drilling operations*
   b. *Wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials*
   c. *Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance*
   d. *Soaps or solvents used in vehicle and equipment washing*
   e. *Discharges from dewatering activities*
3. *Maintain and implement site plan review procedures*
4. *Implement procedures for inspecting construction projects*
5. *Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public*
6. *Ensure that all staff are informed or trained to conduct job duties related to implementing the construction program (permitting, plan review, inspections, and enforcement)*
7. *Maintain an inventory of all permitted active public and private construction sites with one acre or more of disturbed land*

The list of BMPs below was developed to meet the regulatory requirements and will enable the City of Temple to promote and monitor compliance with this program element.

- C-1 Erosion Control Site Plan Review
- C-2 Construction Inspection
- C-3 Receipt and Consideration of Information from Public

The following BMP sheets describe individual BMPs in Temple's Storm Water Management Program. The City Department that has the primary responsibility for implementing the BMP is listed in Responsible Authority section. The primary department is listed in bold type font with an "*" and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Temple's Construction BMPs target primarily construction site personnel but also provide opportunities for other sectors of the public to provide information to the City regarding construction activities, which may include residents, visitors, public service employees, and owners of businesses or commercial and industrial facilities.

EROSION CONTROL (EC) SITE PLAN REVIEW

C-1

RESPONSIBLE AUTHORITY

***Engineering**
Planning

APPLICABILITY

Residents

Visitors

Public Service Employees

Businesses

Commercial/ Industrial

X Construction

DESCRIPTION

As part of their plan review procedures, the City of Temple will implement an erosion control permitting process, which includes reviews of construction plans for both builders and developers. Training will be provided to inspectors to recognize key criteria that must be in place before the building inspection can be completed. The City will also develop procedures to catalog CGP SWPPPs and NOIs that are submitted to the City under the TPDES CGP.

RATIONALE FOR SELECTION

- The Phase II NPDES regulations require the establishment of plan review procedures that consider potential water quality impacts.
- An important component of this review process is well-organized documentation of all activities.
- Procedures may be incorporated with existing plan reviews and inspections.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• EC site plan review • Track active construction sites	Number of plans reviewed List of active sites
2	• EC site plan review • Track active construction sites	Number of plans reviewed List of active sites
3	• EC site plan review • Track active construction sites	Number of plans reviewed List of active sites
4	• EC site plan review • Track active construction sites	Number of plans reviewed List of active sites
5	• EC site plan review • Track active construction sites	Number of plans reviewed List of active sites

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

CONSTRUCTION INSPECTION

C-2

RESPONSIBLE AUTHORITY

***Engineering Storm Water Program**

APPLICABILITY

X Residents

Visitors

Public Service Employees

X Businesses

X Commercial/ Industrial

X Construction

DESCRIPTION

The City's plan review procedures include on-site inspections to ensure compliance with the erosion control ordinance.

The City's Storm Water Program will perform visual storm water BMP inspections at all active construction sites.

The Storm Water Program will also accept comments and public inquiries regarding construction sites. Procedures for the public to comment or inquire about construction projects will be developed and published on the City's web-site. Public inquiries may be made via web site submittal, email, or phone. The City will establish procedures to track public comments/inquiries.

RATIONALE FOR SELECTION

- On-site inspections for erosion control can be conducted to inspect BMP's.
- A new and updated inspection report is necessary and needed for the Storm Water Management Program to effectively inspect SWPPP's and their BMP's.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop written inspection procedures and report form • Perform construction inspections • Track construction enforcement	Inspection Procedures and Report Form List of inspections & reports
2	• Perform construction inspections • Track construction enforcement	List of inspections & reports
3	• Perform construction inspections • Track construction enforcement	List of inspections & reports
4	• Perform construction inspections • Track construction enforcement	List of inspections & reports
5	• Perform construction inspections • Track construction enforcement	List of inspections & reports

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

City of Temple	RECEIPT AND CONSIDERATION OF INFORMATION FROM PUBLIC	C-3

RESPONSIBLE AUTHORITY

***Engineering**
Storm Water Program
Drainage Division

APPLICABILITY

X Residents

X Visitors

X Public Service Employees

X Business

X Commercial/ Industrial

X Construction

DESCRIPTION

The City of Temple will utilize the existing Storm Water Management Program phone line as a storm water hotline for citizens to report potential violations related to construction activities. This hotline will be aggressively promoted through several of the previously mentioned public education BMPs. Storm Water Program and/or Drainage Division personnel will respond and investigate these calls. Temple will also establish a location on their website for citizens to email these concerns or potential violations to City staff

RATIONALE FOR SELECTION

- Storm Water Hotlines provide citizens with an avenue to voice concerns and report potential violations to the appropriate authorities regarding construction activities.
- Temple can use an existing phone line to establish this service; however, an investigation and response must be made for each call. The responses to each call will be handled by the Storm Water Management Program and/or the Drainage Division.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Publicize storm water hotline • Track complaint investigations from hotline	Web page screen capture List of public comments & investigations
2	• Publicize storm water hotline • Track complaint investigations from hotline	Web page screen capture List of public comments & investigations
3	• Publicize storm water hotline • Track complaint investigations from hotline	Web page screen capture List of public comments & investigations
4	• Publicize storm water hotline • Track complaint investigations from hotline	Web page screen capture List of public comments & investigations
5	• Publicize storm water hotline • Track complaint investigations from hotline	Web page screen capture List of public comments & investigations

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

5.4 MCM #4 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment

Numerous studies have documented that storm water runoff from developed sites contributes significant pollutant loads to receiving waters. The increase in impervious surfaces such as rooftops, roads, and parking lots can increase urban runoff and have a detrimental impact on aquatic systems due to increased concentrations of sediment, nutrients, road salts, heavy metals, pathogenic bacteria, and petroleum hydrocarbons. The best way to mitigate storm water impacts from new development is to use practices to treat, store, and infiltrate runoff onsite before it can affect downstream waterbodies. Innovative site designs that reduce imperviousness and smaller-scale low impact development practices may be dispersed throughout a site to achieve the goals of reducing flows and improving water quality.

As specified in the TCEQ Cover Sheet, the SWMP must include *"the following required elements:*

1. *SWMP describes program that will be developed, implemented and enforced, to address storm water runoff from new development / redevelopment activities of one acre and greater (including larger common plan)*
2. *Program ensures controls are in place to address runoff*
3. *Document and maintain records of enforcement actions*
4. *Long term operation and maintenance of BMPs is addressed"*

To address this issue and comply with the regulatory requirements for this program element, the list of BMPs below has been selected by the City of Temple.

- PC-1 Post-Construction Ordinance
- PC-2 Long Term Operation and Maintenance of BMPs

The following BMP sheets describe individual BMPs in Temple's Storm Water Management Program. The City Department that has the primary responsibility for implementing the BMP is listed in Responsible Authority section. The primary department is listed in bold type font with an "*" and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Temple's Post-Construction BMPs targets primarily construction site personnel, businesses, and commercial and industrial facilities.

POST-CONSTRUCTION ORDINANCE

PC-1

RESPONSIBLE AUTHORITY

***Engineering**
City Attorney

APPLICABILITY

	Residents
	Visitors
X	Public Service Employees
X	Businesses
X	Commercial/ Industrial
X	Construction

DESCRIPTION

Temple developed an ordinance to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law. This ordinance provided for the requirement of post-construction BMPs and identification of the Creek Buffer Zone. Per TCEQ requirements, the City will continue to report enforcement actions taken in regards to this ordinance.

RATIONALE FOR SELECTION

- Required component of the TPDES program
- Grants the City enforcement authority
- Ensures that post-construction BMPs are considered early in the planning phase
- Promotes the use of integrated BMPs that are more cost effective than retrofit BMPs
- USEPA provides a number of model ordinances that can be used in developing the post-construction ordinance

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Enforce ordinance • Track citations	Notices, Investigations & Citations
2	• Enforce ordinance • Track citations	Notices, Investigations & Citations
3	• Enforce ordinance • Track citations	Notices, Investigations & Citations
4	• Enforce ordinance • Track citations	Notices, Investigations & Citations
5	• Enforce ordinance • Track citations	Notices, Investigations & Citations

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

LONG TERM OPERATION AND MAINTENANCE OF BMPS

PC-2

RESPONSIBLE AUTHORITY

***Engineering**
Drainage Division
Street Department

APPLICABILITY

- Residents
- Visitors
- X Public Service Employees
- X Businesses
- X Commercial/ Industrial
- X Construction

DESCRIPTION

The TPDES Small MS4 general permit requires cities to provide for the long-term operation and maintenance of the post-construction BMPs that are constructed in new development and redevelopment projects that disturb areas of one acre or greater. The effectiveness of a BMP can be significantly reduced by the lack of maintenance. The City assumes responsibility for maintenance of residential detention basins following construction. If a maintenance issue is identified, the Drainage Division of the Street Department will perform the actual maintenance activities. The Drainage Division is also responsible for the maintenance of storm water drainage infrastructure, including creeks, concrete drainage flumes, grassed detention ponds, and grassy drainage easements. Proper maintenance of the post-construction BMPs requires knowing the location of each BMP to be maintained and a regular inspection process. This City's GIS personnel will develop and maintain GIS coverage of post-construction BMPs in the City.

RATIONALE FOR SELECTION

- The TPDES Small MS4 general permit requires the City to provide for the long-term operation and maintenance of the post-construction BMPs that are constructed in new development and redevelopment projects that disturb greater than or equal to one acre.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• BMP maintenance • Update GIS coverage of permanent BMPs • Track work orders	Updated BMP map Maintenance Work Orders
2	• BMP maintenance • Update GIS coverage of permanent BMPs • Track work orders	Updated BMP map Maintenance Work Orders
3	• BMP maintenance • Update GIS coverage of permanent BMPs • Track work orders	Updated BMP map Maintenance Work Orders
4	• BMP maintenance • Update GIS coverage of permanent BMPs • Track work orders	Updated BMP map Maintenance Work Orders
5	• BMP maintenance • Update GIS coverage of permanent BMPs • Track work orders	Updated BMP map Maintenance Work Orders

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default

5.5 MCM #5 - Pollution Prevention/Good Housekeeping for Municipal Operations

Storm water pollution prevention will only be effective if the municipality is "practicing what it preaches". Therefore, the City's storm water program must be founded on achievable pollution prevention measures for the city facilities and field operations.

As specified in the TCEQ Cover Sheet, the SWMP must include *"the following required elements:*

1. *Operation and maintenance (O&M) program in place or scheduled, to reduce/prevent pollution from municipal operations*
2. *Develop and maintain an inventory of municipal facilities and stormwater controls*
3. *Training provided for employees involved in municipal operations subject to the housekeeping/BMP requirements*
4. *Waste is removed from MS4 and properly disposed*
5. *Contractors maintaining municipally owned facilities must comply with stormwater control measures, good housekeeping practices and facility-specific stormwater management operating procedures*
6. *Assess municipal operations for their potential to discharge pollutants, identify potential pollutants, identify high priority facilities, develop a set of measures to reduce the discharge and inspect*
7. *Maintenance of structural BMPs (if applicable) is performed*
8. *Develop and implement an O&M program to reduce the collection of pollutants in catch basins and other surface drainage structures*
9. *Develop a list of potential problem areas*
10. *Implement an O&M program to include a street sweeping and cleaning program or a BMP such as inlet protection; include implementation schedule and waste disposal procedure*
11. *Map identifying where permittee-owned and operated facilities and stormwater controls are located*
12. *Develop facility specific stormwater management SOP for each high priority facility*

Below is a list of currently performed and new BMPs, which are necessary to meet regulatory requirements for this program element.

- GH-1 Storm Water Pollution Prevention Training
- GH-2 BMP/SO Manual for City Facilities
- GH-3 Landscape and Lawn Care
- GH-4 Vehicle Maintenance
- GH-5 Roadway Cleaning
- GH-6 Storm Drain System Cleaning
- GH-7 Non-Storm Water Discharges
- GH-8 City-Owned Facilities

The following BMP sheets describe individual BMPs in Temple's Storm Water Management Program. The City Department that has the primary responsibility for implementing the BMP is listed in Responsible Authority section. The primary department is listed in bold type font with an "*" and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Temple's Good Housekeeping and Pollution Prevention BMPs targets exclusively Public Service Employees.

City of Temple	**STORM WATER POLLUTION PREVENTION TRAINING**	**GH-1**

RESPONSIBLE AUTHORITY

***Engineering**
SWMP

APPLICABILITY

	Residents
	Visitors
X	Public Service Employees
	Businesses
	Commercial/ Industrial
	Construction

DESCRIPTION

As required by the TCEQ permit, the City will implement annual Training for MS4 Staff. Staff who will be trained includes: Permitting, Public Works, Engineering, Parks and Leisure Services, Code Enforcement, Utility Services, Solid Waste, Fleet Services, Construction Safety, Street Services and Drainage Division. These trainings will focus on training staff to prevent storm water pollution while performing their normal job duties and training staff to recognize signs of illicit discharge/illegal dumping. The City will develop a BMP/ Standard Operations (BMP/SO) manual (GH-2) for use by City staff.

RATIONALE FOR SELECTION

- Since the City occasionally hires new employees, an annual training effort will train new employees on storm water pollution prevention techniques within their first 12 months at the City, and will also provide a refresher course for existing employees to remind them of their role in storm water pollution prevention.
- Implementation of a training program will also keep the City in compliance with the TCEQ's storm water regulations.
- Implementation of a training program will have positive impacts on the City water quality and reduce the risks of contamination of local ponds and streams.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop training for City staff to recognize illicit discharge • Develop training for City staff involved in construction projects	Training procedures/material
2	• Provide training to City divisions and departments. • Document training attendance	Attendance Sheet
3	• Provide training to City divisions and departments. • Document training attendance	Attendance Sheet
4	• Provide training to City divisions and departments. • Document training attendance	Attendance Sheet
5	• Provide training to City divisions and departments. • Document training attendance	Attendance Sheet

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

BMP/SO MANUAL FOR CITY FACILITIES

GH-2

RESPONSIBLE AUTHORITY

***Engineering**

APPLICABILITY

- Residents
- Visitors
- X Public Service Employees
- Businesses
- Commercial/ Industrial
- Construction

DESCRIPTION

A Best Management Practices/Standard Operating (BMP/SO) Manual will be developed by the City for use by municipal employees and facility managers. Incorporating these standards into the day-to-day operation of the City facilities will help to keep the municipal storm system clean, and also serve to keep the City in compliance with the Texas Commission on Environmental Quality's (TCEQ) storm water regulations. The BMP/SO manual will include a list of City departments subject to these requirements, and a list of municipal owned or operated facilities that require storm water permits.

CITY OF TEMPLE
Best Management Practices/Standard Operations & Maintenance Manual

Acknowledgement

BMP/SO Manuals are required to be provided for all permanent Storm water quality best management practices (BMPs) installed on a site. The purpose of the BMP/SO manual is to provide information to the person or entity responsible for operation and maintenance of the facility to ensure that the facility is adequately maintained to function as designed. The information that is provided in the BMP Manual will help the maintenance operations specific to the type of facility, and will provide mechanisms for ensuring that the long-term maintenance of the facility is performed. This manual is to be adopted and practiced by each of the designated departments to satisfy the Stormwater Management Program BMP Good Housekeeping GH-2 and incorporated into the annual report submitted to TCEQ. The following Manual requirements have been put together to fulfill requirements submitted and adopted by the Texas Commission of Environmental Quality permit to the City of Temple for Execution.

RATIONALE FOR SELECTION

- The BMP/SOP manual for City staff will standardize procedures and provide a written reference document for employees to consult regarding good housekeeping procedures.
- This manual will become the basis for Storm Water Pollution Prevention Training for City employees.
- The proper implementation of these practices will have positive impacts on water quality and reduce the risks of contamination of local ponds and streams.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Evaluate BMP/SO effectiveness and update manual	Updated manual pages
2	• Evaluate BMP/SO effectiveness and update manual	Updated manual pages
3	• Evaluate BMP/SO effectiveness and update manual	Updated manual pages
4	• Evaluate BMP/SO effectiveness and update manual	Updated manual pages
5	• Evaluate BMP/SO effectiveness and update manual	Updated manual pages

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

City of Temple	**LANDSCAPE AND LAWN CARE**	**GH-3**

RESPONSIBLE AUTHORITY

***Parks and Leisure Services**

APPLICABILITY

- Residents
- Visitors
- X Public Service Employees
- Businesses
- Commercial/ Industrial
- Construction

DESCRIPTION

This program focuses on education and certification of municipal employees to reduce water quality impacts from fertilizers and pesticides. Provides education on proper storage and application techniques. This certification program may provide information on alternative pest control techniques and explain dosage calculations. The certification program is administered by the Texas Department of Agriculture and requires an annual exam and continuing education credits for recertification. The City has employees that are licensed applicators and will continue to require their applicators to obtain annual training and certification.

RATIONALE FOR SELECTION

- The proper application of pesticides and fertilizers can significantly reduce the potential contamination of storm water runoff and subsequent impacts to local waterways.
- A well-developed management program has the potential to significantly limit the pesticides entering the nation's waterways from municipal operations.
- As many pesticides are highly soluble and cannot be reduced through common wastewater treatment technologies, educating municipal employees on proper application techniques is one of the best ways to reduce water quality impacts from pesticide application.
- The City currently participates in certification programs for employees who apply pesticides and fertilizers.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Annual training for applicators • Document training and copies of licenses	Copy of licenses
2	• Annual training for applicators • Document training and copies of licenses	Copy of licenses
3	• Annual training for applicators • Document training and copies of licenses	Copy of licenses
4	• Annual training for applicators • Document training and copies of licenses	Copy of licenses
5	• Annual training for applicators • Document training and copies of licenses	Copy of licenses

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

City of Temple	**VEHICLE MAINTENANCE**	**GH-4**

RESPONSIBLE AUTHORITY

***Fleet Services**

APPLICABILITY

Residents

Visitors

X Public Service Employees

Businesses

Commercial/ Industrial

Construction

DESCRIPTION

The City of Temple performs vehicle maintenance on all City owned and operated vehicles at the City Service Center, which includes such preventative maintenance services as automotive fluid changes and tire and battery replacement. The City operates an oil/water separator for a central floor drain from the fleet maintenance area. The oil/water separator requires periodic maintenance for optimal performance. The City will continue to maintain the oil/water separator and document these maintenance activities as part of their SWMP. The City also collects and recycles used motor oil from the fleet maintenance activities.

RATIONALE FOR SELECTION

- Periodic maintenance of the oil/water separator is crucial to the performance of this BMP.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Maintain oil/water separator	Maintenance logs for oil/water separator
2	• Maintain oil/water separator	Maintenance logs for oil/water separator
3	• Maintain oil/water separator	Maintenance logs for oil/water separator
4	• Maintain oil/water separator	Maintenance logs for oil/water separator
5	• Maintain oil/water separator	Maintenance logs for oil/water separator

REFERENCES

Center for watershed Protection, 2002 *Stormwater Manager's Resource Center* http://www.stormwatercenter.net

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

City of Temple	**ROADWAY CLEANING**	**GH-5**

RESPONSIBLE AUTHORITY

***Street Services**

APPLICABILITY

	Residents
	Visitors
X	Public Service Employees
	Businesses
	Commercial/ Industrial
	Construction

DESCRIPTION

Roadway cleaning is a practice intended to reduce the amount of sediment, floatable debris, and other pollutants discharged to receiving streams. Current street sweeper technology enables the sweeper to pick up fine-grained sediment particles that carry a substantial portion of the storm water pollutant load.

The City of Temple has two Tymco Regenerative Street Sweepers and will continue to perform street sweeping and cleaning at the current frequency. The Street Department submits monthly reports to Public Works documenting the number lane miles that have been swept.

RATIONALE FOR SELECTION

- Sweeping city streets removes pollutants and floatables that would otherwise be washed into the MS4.
- This practice greatly enhances the aesthetics of streets.
- The Street Department of the City of Temple currently performs street sweeping and has a tracking mechanism to document areas swept.
- The Storm Water Stakeholders Group ranked this BMP 4th of the voluntary BMPs for municipal Good Housekeeping/Pollution Prevention.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop implementation schedule and waste disposal procedures • Continue existing street sweeping • Document lane miles from monthly reports	Implementation schedule and waste disposal procedures Monthly reports on lane miles Sweep 2400 lane miles
2	• Continue existing street sweeping • Document lane miles from monthly reports	Monthly reports on lane miles Sweep 2400 lane miles
3	• Continue existing street sweeping • Document lane miles from monthly reports	Monthly reports on lane miles Sweep 2400 lane miles
4	• Continue existing street sweeping • Document lane miles from monthly reports	Monthly reports on lane miles Sweep 2400 lane miles
5	• Continue existing street sweeping • Document lane miles from monthly reports	Monthly reports on lane miles Sweep 2400 lane miles

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Center for Watershed Protection, 2002 *Stormwater Manager's Resource Center* http://www.stormwatercenter.net

City of Temple	**STORM DRAIN SYSTEM CLEANING**	**GH-6**

RESPONSIBLE AUTHORITY

***Street Department Drainage Division**

APPLICABILITY

- Residents
- Visitors
- X Public Service Employees
- Businesses
- Commercial/ Industrial
- Construction

DESCRIPTION

The purpose of this management practice is to reduce the amount of debris, trash and other pollutants in the storm drain system through maintaining and cleaning the storm water inlets and drainage system on a regular basis. The Street Department Drainage Division currently maintains ditches and storm drain inlets through a periodic inspection and preventative maintenance program. The Drainage Division is responsible for the maintenance of storm water drainage infrastructure, including creeks, concrete drainage flumes, grassed detention ponds, and grassy drainage easements. The City will develop formalized procedures for the disposal of dredge spoil, accumulated sediments and floatables from the MS4 as part of the BMP/SO manual.

RATIONALE FOR SELECTION

- Of the Good Housekeeping/Pollution Prevention BMPs, the City of Temple Storm Water Stakeholders Committee ranked this BMP fifth.
- The City currently has an inspection and preventative maintenance program for the storm drain system and has a system in place to track maintenance activities.
- Removing clogged material from the storm drain system can prevent overflows.
- Cleaning the inlets can also reduce levels of bacteria, increase dissolved oxygen, support instream habitat and restore the catch basins' sediment trapping capacity.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Continue inspection, cleaning and maintenance • Update maintenance/cleaning log • Update BMP/SO manual for waste disposal (as needed)	Maintenance/cleaning log Updated BMP/SO pages
2	• Continue inspection, cleaning and maintenance • Update maintenance/cleaning log • Update BMP/SO manual for waste disposal (as needed)	Maintenance/cleaning log Updated BMP/SO pages
3	• Continue inspection, cleaning and maintenance • Update maintenance/cleaning log • Update BMP/SO manual for waste disposal (as needed)	Maintenance/cleaning log Updated BMP/SO pages
4	• Continue inspection, cleaning and maintenance • Update maintenance/cleaning log • Update BMP/SO manual for waste disposal (as needed)	Maintenance/cleaning log Updated BMP/SO pages
5	• Continue inspection, cleaning and maintenance • Update maintenance/cleaning log • Update BMP/SO manual for waste disposal (as needed)	Maintenance/cleaning log Updated BMP/SO pages

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

City of Temple	**NON-STORM WATER DISCHARGES - DE-CHLORINATION EQUIPMENT**	**GH-7**

RESPONSIBLE AUTHORITY

***Public Works**
Utility Services

APPLICABILITY

- Residents
- Visitors
- X Public Service Employees
- Businesses
- Commercial/ Industrial
- Construction

DESCRIPTION

De-chlorination equipment will be required to remove excess chlorine from wash water that is used to treat new water lines. The Utility Services Division of the Public Works Department performs super chlorination of new water lines and will use the dechlorination equipment to remove chlorine residual prior to discharge of water into the MS4.

De-chlorination equipment will be made available to other departments such as the Parks and Leisure Services Department for use during pool maintenance and to treat backwash water from pool filtering equipment.

The fire department was found to have run-off at the current fire training facility draining into the storm drain system. To be in compliance, the fire department restricted all live fire trainings. Training consists of running water with no added chemicals similar to a hydrant flush. The fire department is in the process of building a new training facility. They will implement a control measure to ensure that chemicals do not enter the storm drain at the new facility.

RATIONALE FOR SELECTION

- De-chlorination equipment is required to prevent the illicit discharge of super-chlorinated water to the MS4.
- The equipment will also be made available to the Parks and Leisure Services Department for use during swimming pool maintenance.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Monitor Development of new Fire Training Facility • Use de-chlorination equipment for water line flushing	Photos of updated fire training facility Document equipment use
2	• Use de-chlorination equipment for water line flushing	Document equipment use
3	• Use de-chlorination equipment for water line flushing	Document equipment use
4	• Use de-chlorination equipment for water line flushing	Document equipment use
5	• Use de-chlorination equipment for water line flushing	Document equipment use

REFERENCES

Statewide Storm Water Quality Task Force, 2002. *Texas Nonpoint Source Book, Runoff Quality Best Management Practices.* http://www.txnpsbook.org/default.htm

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

Hose Monster Dechlorination Equipment, 2007. http://www.hosemonster.com/dechlor.html

City of Temple	**CITY-OWNED FACILITIES**	**GH-8**

RESPONSIBLE AUTHORITY

***Public Works**
SWMP

APPLICABILITY

	Residents
	Visitors
X	Public Service Employees
	Businesses
	Commercial/ Industrial
	Construction

DESCRIPTION

TCEQ requires all Level 3 MS4s to maintain an inventory of all City-owned facilities and stormwater controls. Inspections are to be conducted and facilities prioritized by their potential to generate stormwater pollutants. High priority facilities are those which have a high potential to generate stormwater pollutants. Standard operating procedures and stormwater controls will be created for these high priority facilities. A map will be created indicating the location of each facility.

RATIONALE FOR SELECTION

- TCEQ requires all Level 3 MS4s to inspect all city-owned facilities.
- Inspection of facilities assists in reducing the potential to generate pollutant in city-owned facilities.
- This BMP is ideal for good housekeeping as the City cannot expect others to do that which it does not do itself.

YEAR	IMPLEMENTATION ACTIVITY	MEASURABLE GOAL
1	• Develop facility and stormwater control inventory • Assess of facilities to determine high priority facilities	Facility and stormwater control inventory List of high priority facilities
2	• Develop Standard Operating Procedures (SOPs) for high priority facilities • Inspection of all facilities in inventory	SOPs for high priority facilities Inspection log
3	• Develop map indicating all facility locations • Inspection of all facilities in inventory	Map of facility locations Inspection log
4	• Inspection of all facilities in inventory	Inspection log
5	• Inspection of all facilities in inventory	Inspection log

REFERENCES

USEPA, 2002. *National Menu of Best Management Practices.* http://cfpub.epa.gov/npdes/stormwater/menuofbmps/menu.cfm

North Central Texas Council of Governments, 1993. *Storm Water Quality Best Management Practices for Construction Activities.*

5.6 MCM #6 – Industrial Stormwater Sources

The City of Temple is classified as a Level 3 Small MS4. As such it is not required to create BMPs for this MCM. According to the TCEQ permit, MCM #6 is only applicable to Level 4 small MS4s.

5.7 MCM #7 - Authorization for Municipal Construction Activities

The City of Temple may apply under the TPDES MS4 Small MS4 General Permit for authorization to discharge storm water runoff from each construction activity performed by the City that results in the disturbance of one or more acres of land as an alternative to applying for coverage under the TPDES Construction General Permit. The City of Temple has decided not to develop the optional seventh minimum control measure for municipal construction activities. This optional 7th minimum control measure may be developed after the submittal of the initial NOI and would require a Notice of Change (NOC) to be submitted to notify the executive director of this change and identify the geographical area or boundary where the activities will be conducted under the provisions of this permit.

5.8 Program Summary

Included on the following sheet is a listing of the BMPs described above along with the year in which they are to be implemented and the measurable goal for that year.

	STORM WATER MANAGEMENT PROGRAM	PROGRAM SUMMARY
City of Temple	The table below lists the measurable goals developed for each BMP and the year in which they are to be implemented.	

BMP	DESCRIPTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
PEI-1	Storm Water Education to Students	Attendance Lists & Photos	Attendance Lists & Photos	Attendance Lists & Photos	Attendance Lists & Photos	Attendance Lists & Photos
PEI-2	Storm Water Web Site	1 Storm Water Management Plan link	1 Annual Reports Web Page	1 Post Construction Web Page	1 Construction Web Page	1 Good Housekeeping Web Page
PEI-3	Storm Water Brochures	Newly designed brochure & door hanger	1,000 Brochures Distributed	1,000 Brochures Distributed	1,000 Brochures Distributed	1,000 Brochures Distributed
PEI-4	Utility Bill Inserts	1 Insert per water customer distributed	1 Insert per water customer distributed	1 Insert per water customer distributed	1 Insert per water customer distributed	1 Insert per water customer distributed
PEI-5	Public Service Announcements	6 PSA's broadcasted	6 PSA's broadcasted	6 PSA's broadcasted	6 PSA's broadcasted	6 PSA's broadcasted
PEI-6	Storm Drain Marking	At least 1 marking event	At least 1 marking event	At least 1 marking event	At least 1 marking event	At least 1 marking event
PEI-7	Reforestation Programs	Photos of event Web page 1 PSA	Photos of event Web page 1 PSA	Photos of event Web page 1 PSA	Photos of event Web page 1 PSA	Photos of event Web page 1 PSA
PEI-8	Storm Water Stakeholders Committee	Attendance Sheet Meeting Minutes	Attendance Sheet Meeting Minutes	Attendance Sheet Meeting Minutes	Attendance Sheet Meeting Minutes	Attendance Sheet Meeting Minutes
ID-1	Storm Drain System Map	Updated System Map Friars Creek Watershed	Updated System Map Bird Creek Watershed	Updated System Map Peppers Creek Watershed	Updated System Map Little Elm Creek & Williamson Branch Watersheds	Updated System Map Knob & Boggy Creek Watersheds
ID-2	Dry Weather Screening	Screening map for all watersheds	Screening map for all watersheds	Screening map for all watersheds	Screening map for all watersheds	Screening map for all watersheds
ID-3	Illicit Discharge Investigations	Procedures for responding to illicit discharges and spills, also tracing & removing illicit discharge sources.	List of investigation types and locations	List of investigation types and locations	List of investigation types and locations	List of investigation types and locations
ID-4	Reduce Illegal Dumping	List of citations 1 PSA	List of citations 1 PSA	List of citations 1 PSA	List of citations 1 PSA	List of citations 1 PSA
ID-5	Reduce Sanitary Sewer Overflows	Clean 270,000 linear feet/ year	Clean 270,000 linear feet/ year	Clean 270,000 linear feet/ year	Clean 270,000 linear feet/ year	Clean 270,000 linear feet/ year

ID-6	Household Hazardous Waste Disposal	1 HHW Event 1 Newspaper Ad/webpage Quantity of HHW collected	1 HHW Event 1 Newspaper Ad/webpage Quantity of HHW collected	1 HHW Event 1 Newspaper Ad/webpage Quantity of HHW collected	1 HHW Event 1 Newspaper Ad/webpage Quantity of HHW collected	1 HHW Event 1 Newspaper Ad/webpage Quantity of HHW collected
ID-7	Used Oil Collection & Recycling	1 web posting and 1 PSA Document disposal	1 web posting and 1 PSA Document disposal	1 web posting and 1 PSA Document disposal	1 web posting and 1 PSA Document disposal	1 web posting and 1 PSA Document disposal
C-1	Erosion Control Site Plan Review	Number of plans reviewed List of active sites	Number of plans reviewed List of active sites	Number of plans reviewed List of active sites	Number of plans reviewed List of active sites	Number of plans reviewed List of active sites
C-2	Construction Inspection	Inspection Procedures and Report Form List of inspections & reports	List of inspections & reports	List of inspections & reports	List of inspections & reports	List of inspections & reports
C-3	Receipt and Consideration of Information from Public	Web page screen capture List of public comments and investigations	Web page screen capture List of public comments and investigations	Web page screen capture List of public comments and investigations	Web page screen capture List of public comments and investigations	Web page screen capture List of public comments and investigations
PC-1	Post Construction Ordinance	Notices, Investigations & Citations	Notices, Investigations & Citations	Notices, Investigations & Citations	Notices, Investigations & Citations	Notices, Investigations & Citations
PC-2	Long Term Operation and Maintenance of BMPs	Update BMP map Maintenance work order	Update BMP map Maintenance work order	Update BMP map Maintenance work order	Update BMP map Maintenance work order	Update BMP map Maintenance work order
GH-1	Storm Water Pollution Prevention Training	Training procedures/material	Attendance sheet	Attendance sheet	Attendance sheet	Attendance sheet
GH-2	BMP/SO Manual for City Facilities	Updated manual pages	Updated manual pages	Updated manual pages	Updated manual pages	Updated manual pages
GH-3	Landscape and Lawn Care	Copy of licenses	Copy of licenses	Copy of licenses	Copy of licenses	Copy of licenses
GH-4	Vehicle Maintenance	Maintenance logs for oil/water separator	Maintenance logs for oil/water separator	Maintenance logs for oil/water separator	Maintenance logs for oil/water separator	Maintenance logs for oil/water separator
GH-5	Roadway Cleaning	Implementation schedule and waste disposal procedures Monthly reports on miles Sweep 2,400 lane miles	Monthly reports on miles Sweep 2,400 lane miles	Monthly reports on miles Sweep 2,400 lane miles	Monthly reports on miles Sweep 2,400 lane miles	Monthly reports on miles Sweep 2,400 lane miles
GH-6	Storm Drain System Cleaning	Maintenance/ cleaning log Updated BMP/SO pages	Maintenance/ cleaning log Updated BMP/SO pages	Maintenance/ cleaning log Updated BMP/SO pages	Maintenance/ cleaning log Updated BMP/SO pages	Maintenance/ cleaning log Updated BMP/SO pages
GH-7	Non-Storm Water Discharges Dechlorination Equipment	Photos of updated fire training facility Document equipment use	Document equipment use	Document equipment use	Document equipment use	Document equipment use
GH-8	City-Owned Facilities	Facility and stormwater control inventory List of high priority facilities	SOP for high priority facilities Inspection log	Map of facility locations Inspection log	Inspection log	Inspection log

Appendix 1

City Council Resolution

RESOLUTION NO. 2014-7310-R

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF TEMPLE, TEXAS, AUTHORIZING SUBMISSION OF A NEW STORM WATER MANAGEMENT PROGRAM TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY; AND PROVIDING AN OPEN MEETINGS CLAUSE.

Whereas, the Texas Commission on Environmental Quality (TECQ) requires cities with populations less than 100,000 to submit a Storm Water Management Program (SWMP) to reduce pollution discharge to creeks, rivers and lakes;

Whereas, on January 17, 2008, City Council authorized the submission of the City's original 5-year SWMP and on December 13, 2013, TCEQ issued the final Texas Pollutant Discharge Elimination System Phase 2 Small MS4 Permit;

Whereas, the permit requires cities in Temple's population classification to submit a new SWMP within six months, with a deadline of June 11, 2014 – failure to meet this deadline carries a risk of incurring fines;

Whereas, staff has developed a new 5-year plan for the SWMP with input from the Storm Water Stakeholders Committee – the plan addresses five categories specified by TCEQ, which includes:

a) Public Education & Involvement;
b) Illicit Discharge Detection & Elimination;
c) Construction Site Storm Water Runoff Control;
d) Post Construction Storm Water Management in areas of new development and redevelopment;
e) Pollution Prevention/Good Housekeeping for Municipal Operations;

Whereas, the SWMP incorporates City work that may eliminate or reduce pollutants discharging to natural waterways, identifies 28 Best Management Practices, includes measureable goals and has a 5-year implementation period as prescribed by TCEQ rules;

Whereas, funding in the amount of $94,911 was adopted in the fiscal year 2014 for the Storm Water Management Program; and

Whereas, the City Council has considered the matter and deems it in the public interest to authorize this action.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TEMPLE, TEXAS, THAT:

Part 1: The City Council authorizes the submission of a new Storm Water Management Program to the Texas Commission on Environmental Quality.

Part 2: The City Manager, or his designee, is authorized to execute any documents which may be necessary for this submission, after approval as to form by the City Attorney.

Part 3: It is hereby officially found and determined that the meeting at which this Resolution is passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act.

PASSED AND APPROVED this the **1st** day of **May,** 2014.

THE CITY OF TEMPLE, TEXAS

DANIEL A. DUNN, Mayor

ATTEST:

Lacy Borgeson
City Secretary

APPROVED AS TO FORM:

Jonathan Graham
City Attorney

Appendix 2

Notice of Intent Form

TCEQ Office Use Only
Permit No.:
RN:
CN:
Region:

TCEQ Notice of Intent (NOI) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) under the TPDES Phase II MS4 General Permit (TXR040000)

IMPORTANT:

- Use the INSTRUCTIONS to fill out each question in this form.
- Use the CHECKLIST to make certain you filled out all required information. Incomplete applications WILL delay approval or result in automatic denial.
- Once processed your authorization can be viewed at: http://www2.tceq.texas.gov/wq_dpa/index.cfm

APPLICATION FEE:

- You must pay the **$100** Application Fee to TCEQ for the paper application to be complete.
- Payment and NOI must be mailed to separate addresses.
- Did you know you can pay on line?
  - Go to https://www3.tceq.texas.gov/epay/index.cfm
  - Select Fee Type: GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION
- **Provide your payment information below, for verification of payment:**

Mailed ☐ Check/Money Order No.: _____
Name Printed on Check: _____
EPAY ☑ Voucher No.: 2081146
Is the Payment Voucher copy attached? ☑ Yes

One (1) copy of the NOI and Stormwater Management Program (SWMP) with the completed SWMP Cover Sheet MUST be submitted with the original NOI and SWMP.

Is the copy attached? ☑ Yes

RENEWAL: Is this NOI a Renewal of an existing Phase II MS4 General Permit Authorization?
(Note: An authorization cannot be renewed after June 11, 2014.)

☑ Yes The existing authorization number is: TXR04 0037
(If an authorization number is not provided, a new number will be assigned.)

☐ No

1) OPERATOR (Applicant)

a. If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? You may search for your CN at:
http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch
CN 600245799

b. What is the Legal Name of the entity (applicant) applying for this permit?
City of Temple
(The exact legal name must be provided.)

c. What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC 305.44(a).
Prefix (Mr. Ms. Miss): Mr
First/Last Name: Danny Dunn Suffix: _____
Title: City Mayor Credential: _____

d. What is the contact information for the Operator Contact (Responsible Authority)? The mailing address must be recognized by the US Postal Service. You may verify the address at:
https://tools.usps.com/go/ZipLookupAction!input.action
Phone Number: (254) 298-5600 Ext: _____ Fax Number: _____
E-mail: _____
Mailing Address: 2 North Main St
Internal Routing (Mail Code, Etc.): _____
City: Temple State: TX ZIP Code: 76501
If outside USA: Territory: _____ Country Code: _____ Postal Code: _____

e. Indicate the type of Customer (The instructions will help determine your customer type):
- ☐ Federal Government
- ☐ State Government
- ☐ County Government
- ☑ City Government
- ☐ Other Government

f. Number of Employees:
☐ 0-20; ☐ 21-100; ☐ 101-250; ☐ 251-500; or ☑ 501 or higher

2) BILLING ADDRESS

The Operator is responsible for paying the annual fee. The annual fee will be assessed to authorizations 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.

Is the billing address the same as the Operator Address?
- ☐ Yes, go to Section 3).
- ☑ No, complete section below

Phone Number: (254) 298-5625 Ext: _____ Fax Number: _____
E-mail: trodriguez@templetx.gov
Mailing Address: 3210 E Ave H Suite 107
Internal Routing (Mail Code, Etc.): _____
City: Temple State: TX ZIP Code: 76501
Mailing Information if outside USA:
Territory: _____ Country Code: _____ Postal Code: _____

3) REGULATED ENTITY (RE) INFORMATION

If the site of your business is part of a larger business site or if other businesses were located at this site before yours, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at:
http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch.

If the site is found, provide the assigned Regulated Entity Reference Number and provide the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

a. TCEQ issued RE Reference Number (RN): RN 105481147

b. Name that is used to identify the small MS4 (Example: City of XXX MS4)
City of Temple MS4

c. Provide a brief description of the regulated MS4 boundaries: (Example: Area within the City of XXXX limits that is located within the xxx (e.g. Dallas) urbanized area):
Area within the City of Temple limits that is located within the Temple urbanized area.

d. County where the largest residential population exists within the regulated MS4 boundaries:
Bell County

Is the MS4 located within additional counties?
☐ Yes – If Yes, what county (or counties)?

☑ No

e. Latitude: 31.0936 N Longitude: 97.3622 W

4) GENERAL CHARACTERISTICS

a. Is the project/site located on Indian Country Lands?
☐ Yes – If Yes, you must obtain authorization through EPA, Region 6.

☑ No

b. What is applicant's Standard Industrial Classification (SIC) code?
SIC Code: 9111

c. What is the category or level of the MS4 based on the population served?

☐ **Level 1:** Operators of traditional small MS4s that serve a population of less than 10,000 within an urbanized area (UA).

☐ **Level 2:** Operators of traditional small MS4s that serve a population of at least 10,000 but less than 40,000 within an UA.

This category also includes all non-traditional small MS4s such as counties, drainage districts, transpiration entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the UA, unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served.

☑ **Level 3:** Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,000 within an UA.

☐ **Level 4:** Operators of traditional small MS4s that serve a population of 100,000 or more within an UA.

d. Has TCEQ "designated" the small MS4 as needing coverage under this general permit?

☑ Yes

☐ No - If No and no portion of the small MS4 is located within an UA as determined by the 2000 or 2010 Decennial Census by the U.S Bureau of Census requiring a NOI be submitted, the operator is not eligible for coverage under this general permit through the NOI.

e. What is your annual reporting year?

☐ Calendar year

☑ MS4 general permit year

☐ Fiscal year – If Fiscal year, what is the last day of the fiscal year?_____

f. Stormwater Management Program (SWMP)

1. I certify that the SWMP submitted with this Notice of Intent has been developed according to the provisions of this general permit TXR040000.

   ☑ Yes

   ☐ No – If No, the application is considered incomplete and may be returned.

2. I certify that the SWMP Cover Sheet is completed and attached to the front of the SWMP.

   ☑ Yes

   ☐ No – If No, the application is considered incomplete and may be returned.

3. Who is the person responsible for implementing or coordinating implementation of the SWMP? (Note: All contact information requested below is required.)

   First/Last Name: Terri Rodriguez
   Title: Storm Water Program Tech Company: City of Temple
   Phone Number: (254) 298-5625 Ext: 5625 Fax Number: (254) 298-5661
   E-mail: trodriguez@templetx.gov
   Mailing Address: 3210 E Ave H Suite 107
   Internal Routing (Mail Code, Etc.): N/A
   City: Temple State: TX ZIP Code: 76501

g. 7th Minimum Control Measure (MCM) for Municipal Construction Activities

1. Is the MCM for authorization to discharge stormwater from municipal construction activities included with the attached SWMP?

   ☐ Yes – If Yes, what are the boundaries within which those activities will occur? (Note: If the boundaries are located outside of the urbanized area, then the entire SWMP must also incorporate the additional areas.)

   _____

   ☑ No

2. Is the discharge or potential discharge from regulated construction activities within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer?
   - ☐ Yes – If Yes, please note that a copy of the agency approved Water Pollution Abatement Plan (WPAP) required by the Edward Aquifer Rule (30 TAC Chapter 213) must be either included or referenced in the construction stormwater pollution prevention plan(s).
   - ☑ No

h. Discharge Information

1. What is the name of the water body (ies) receiving stormwater from the MS4?
   Creeks - Bird, Boggy, Friar's, Knob, Little Elm & Pepper and also Williamson Branch.

2. What is the classified segment(s) that receives discharges, directly or indirectly, from the small MS4?
   Leon River or Little River

3. Are any of the surface water body (ies) receiving discharges from the small MS4 on the latest EPA-approved Clean Water Act (CWA) §303(d) list of impaired waters?
   - ☑ Yes – If Yes:
     What is the name of the impaired water body (ies) receiving the discharge from the small MS4?
     Little River

     What are the pollutants of concern?
     E-Coli and Nitrate sources
   - ☐ No

4. Is the discharge into any other MS4 prior to discharge into surface water in the state?
   - ☐ Yes – If Yes, what is the name of the MS4 Operator?
   - ☑ No

i. Edwards Aquifer

Is the discharge or potential discharge from the MS4 within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer?

- ☐ Yes - If Yes, complete certification below by checking "Yes".
- ☑ No

I certify that a copy of the TCEQ approved WPAP required by the Edwards Aquifer Rule (30 TAC Chapter 213) is either included or referenced in the SWMP.

- ☐ Yes

j. Public Participation Process

The Office of Chief Clerk will send the operator or person responsible for publishing, the notice of the executive director's preliminary determination of the NOI and SWMP, in a newspaper of general circulation in the county where the small MS4 is located. If multiple

counties, notice must be published at least once in the newspaper of general circulation in the county containing the largest resident population.

The applicant must file with the Chief Clerk a copy of an affidavit of the publication within 60 days of receiving the written instructions from the Office of Chief Clerk.

1. I will comply with the Public Participation requirements described in Part II.E.12 of the general permit.
   - ☑ Yes
   - ☐ No – If No, coverage under this general permit is not obtainable.

2. Who is the person responsible for publishing notice of the executive director's preliminary determination on the NOI and SWMP? (Note: All contact information requested below is required.)

   First/Last Name: Terri Rodriguez
   Title: Storm Water Program Tech Company: City of Temple
   Phone Number: (254) 298-5625 Ext: 5625 Fax Number: (254) 298-5661
   E-mail: trodriguez@templetx.gov
   Mailing Address: 3210 E Ave H Suite 107
   Internal Routing (Mail Code, Etc.): N/A
   City: Temple State: TX ZIP Code: 76501

3. What is the name and location of the public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be reviewed?

   Name of Public Place: City of Temple Public Works
   Address of Public Place: 3210 E Ave H Suite 107 Temple, TX 76501
   County of Public Place: Bell County

5) CERTIFICATION

Check Yes to the certifications below. Failure to indicate Yes to ***ALL*** items may result in denial of coverage under the general permit.

a. I certify that I have obtained a copy and understand the terms and conditions of the Phase II (Small) MS4 General Permit TXR040000. ☑ Yes

b. I certify that the small MS4 qualifies for coverage under the general permit TXR040000. ☑ Yes

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

d. I understand that authorization active on September 1st of each year will be accessed an Annual Water Quality Fee. ☑ Yes

Operator Certification:

I, Danny Dunn City Mayor

Typed or printed name *Title*

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: Date: 5-9-14

(Use blue ink)

NOTICE OF INTENT CHECKLIST (TXR040000)

- Did you complete everything? Use this checklist to be sure!
- Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI process description in the Instructions)

Application Fee:

If paying by Check:

- ☐ Check was mailed **separately** to the TCEQs Cashier's Office. (See Instructions for Cashier's address and Application address.)
- ☐ Check number and name on check is provided in this application.

If using ePay:

- ☑ The voucher number is provided in this application or a copy of the voucher is attached.

AUTHORIZATION NUMBER:

- ☑ Authorization number provided – if this application is for renewal of an existing authorization.

OPERATOR INFORMATION - Confirm each item is complete:

- ☑ Customer Number (CN) issued by TCEQ Central Registry
- ☑ Legal name as filed to do business in Texas (Call TX SOS 512/463-5555)
- ☑ Name and title of responsible authority signing the application
- ☑ Mailing address is complete & verifiable with USPS. www.usps.com
- ☑ Phone numbers/e-mail address
- ☑ Type of operator (entity type)
- ☑ Number of employees
- ☑ Billing address is complete & verifiable with USPS. http://www.usps.com

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete:

- ☑ MS4/Regulated Entity Name
- ☑ Site description
- ☑ Latitude and longitude http://www.tceq.texas.gov/gis/sqmaview.html
- ☑ County
- ☑ Site/project physical address. Do not use a rural route or post office box.
- ☑ Business description

GENERAL CHARACTERISTICS - Confirm each item is complete:

- ☑ Indian Country Lands –the facility is not on Indian Country Lands
- ☑ Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicser.html
- ☑ Level of MS4
- ☑ Qualifying TCEQ "Designated" small MS4
- ☑ Annual Reporting Year
- ☑ 7th Minimum Control Measurement (MCM) for Municipal Construction Activities
- ☑ Discharge information
- ☑ Edwards Aquifer rule
- ☑ Public participation information

CERTIFICATION

- ☑ Certification statements have been checked indicating "Yes"
- ☑ Signature meets 30 Texas Administrative Code (TAC) 305.44 and is original.
- ☑ Stormwater Management Program (SWMP), and completed SWMP Cover Sheet are attached to the NOI.

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

General Information and Instructions

GENERAL INFORMATION

Where to Send the Notice of Intent (NOI):

BY REGULAR U.S. MAIL:
Texas Commission on Environmental Quality
Applications Review and Processing Team
(MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL:
Texas Commission on Environmental Quality
Applications Review and Processing Team
(MC-148)
12100 Park 35 Circle
Austin, TX 78753

TCEQ Contact List:

Small Business and 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 NOI and SWMP is received by the program, the form will be processed as follows:

1) **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. Never give an overnight/express mailing address.

   An application will not be declared administratively complete or approved if delinquent fees and/or penalties of $25 or more are owed to the TCEQ. All such fees must be paid prior to approval of the NOI.

2) **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.

3) **Technical Review of SWMP**: More information may be requested by phone or technical NOD letter mailed to the SWMP contact. The executive director's preliminary determination on the NOI and SWMP will be prepared and filed with the TCEQ Chief Clerk.

4) **Public Participation Process:** The TCEQ Chief Clerk will mail written instructions for publishing the executive director's preliminary determination on the NOI and SWMP at least once in the newspaper of general circulation in the county where the small MS4 is located. If applicable, a public meeting may be held.

5) **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 find the NOI and SWMP do not meet the requirements of this general permit. If coverage is denied, the operator will be notified.

General Permit

Coverage under the general permit begins upon approval by the TCEQ. You should have a copy of the general permit when submitting your application. You may view and print the permit for which you are seeking coverage, on the TCEQ web site http://www.tceq.texas.gov. Search using key word TXR040000.

General Permit Forms

The Notice of Intent (NOI), Notice of Termination (NOT), and Notice of Change (NOC) (including instructions) are available in Adobe Acrobat PDF format on the TCEQ web site http://www.tceq.texas.gov.

Change in Operator

An authorization under the general permit is not transferable. If the operator of the regulated entity changes, the present permittee must submit a Notice of Termination and the new operator must submit a Notice of Intent. The NOT and NOI must be submitted concurrently not more than ten (10) calendar days after the change occurs.

TCEQ Central Registry Core Data Form

The Core Data Form has been incorporated into this form. Do not send a Core Data Form to TCEQ. After final acknowledgment of coverage under the general permit, the program will assign a Customer Number and Regulated Entity Number.

You can find the information on the Central Registry web site at http://www12.tceq.texas.gov/crpub/index.cfm. You can search by the Regulated Entity (RN), Customer Number (CN) or Name (Permittee), or by your authorization number under the search field labeled *Additional ID*. Capitalize all letters in the authorization number.

The Customer (Permittee) is responsible for providing consistent information to the TCEQ, and for updating all CN and RN data for all authorizations as changes occur. For General Permits, a Notice of Change form must be submitted to the program area.

Fees associated with a 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).

Application Fee: This fee 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.

Mailed Payments:

Payment must be mailed under separate cover at one of the addresses below using the attached Application Fee submittal form. (DO NOT SEND A COPY OF THE NOI WITH THE APPLICATION FEE SUBMITTAL FORM)

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 Circles
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 December of each year. The payment will be due 30 days from the invoice date. A 5% penalty will be assessed if the payment is received by TCEQ after the due date. Annual fee assessments cannot be waived as long as the authorization under the general permit is active on September 1.

It's important for the permittees to submit a Notice of Termination (NOT) when coverage under the general permit is no longer required. A NOT is effective on the postmarked date of mailing the form to TCEQ. 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).

INSTRUCTIONS FOR FILLING OUT THE NOI FORM

Renewal of General Permit: Dischargers holding active authorizations 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.

1. Operator (Applicant)

a) Enter assigned Customer Number (CN)
TCEQ's Central Registry will assign each customer a number that begins with CN, followed by nine digits. **This is not an authorization number, registration number, or license number.**
If this customer has not been assigned a CN, leave the space for the CN blank. If this customer has already been assigned this number, enter the permittee's CN.

If the site of your business is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at: http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch

If the site is found, provide the assigned Regulated Entity Reference Number (RN) and provide the information for the site to be authorized through this application. The site information for this authorization may vary from the larger site information.

An example is a chemical plant where a unit is owned or operated by a separate corporation that is accessible by the same physical address of your unit or facility. Other examples include industrial parks identified by one common address but different corporations have control of defined areas within the site. In both cases, an RN would be assigned for the physical address location and the permitted sites would be identified separately under the same RN.

b) Site/Project Name/Regulated Entity
Provide the name of the site 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) Describe the boundaries of the regulated portion of the small MS4.
In your own words, briefly describe the boundaries of the regulated portion of the small MS4. Do not repeat the SIC Code description.

d) County
Identify the county or counties in which the regulated entity is located.

e) Latitude and Longitude
Enter the latitude and longitude of the site in degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to:
http://www.tceq.texas.gov/gis/sqmaview.html or http://nationalmap.gov/ustopo

f) Site mailing address
Provide a complete mailing address to be used by TCEQ for receiving mail. In most cases, the address is the same as the operator. If so, simply place a check mark in the box. If you provide a different address, please verify the address with USPS as instructed above for the operator address.

4. 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. You must obtain authorization through EPA, Region 6, Dallas. Do not submit this form to TCEQ.

Indian Country means (1) all land within the limits of any American Indian reservation under the jurisdiction of the U.S. government, notwithstanding the issuance of any patent, and including rights-of-way running throughout the reservation; (2) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or outside the limits of a State;

and (3) all Indian allotments, the Indian titles which have not been extinguished, including rights-of-way running through the same.
Indian Tribe means any Indian Tribe, band, nation, or community recognized by the Secretary of the Interior and exercising substantial governmental duties and powers.

b. Standard Industrial Classification (SIC) code

Provide the SIC code that best describes the operator's primary business. Common SIC Codes are provided below. For help with SIC codes, go to: www.osha.gov/oshstats/sicser.html

9111 - Executive offices (such as for a city, county, ect.)
8221 - Colleges, Universities, and Professional Schools
8222 - Junior Colleges and Technical Institutes
9621 - Regulation and Administration of Transportation Programs
4111 - Local and Suburban Transit
4952 - Sewerage Systems
4971 - Irrigation Systems
9223 - Correctional Institutions
9511 - Air and Water Resource and Solid Waste Management (including flood control, drainage development, etc.)

c. Category or level of the MS4

The general permit defines MS4s by four different categories or levels, based on the population served within the 2010 UA. "Population served" means the residential population within the regulated portion of the small MS4 based on the 2010 Census, except for non-traditional small MS4s.

A reference map identifying the 2010 Census UAs can be found at www.epa.gov/npdes/stormwater/urbanmaps

d. TCEQ "Designated" small MS4

A small MS4 that is outside of urbanized area that is "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.

Information about urbanized areas (UAs) and a link to the UA maps are found on the EPAs website at: http://cfpub1.epa.gov/npdes/stormwater/urbanmaps.cfm

e. Annual Reporting Year

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

1. The first reporting year begins on the permit effective date (December 13, 2013) and lasts for a period of one (1) year.

2. If the MS4 selects the fiscal year, the first reporting year will last until the end of the fiscal year following the end of the first permit year.

3. If the MS4 selects the calendar year then the first reporting year will last until December 31, 2014.

f. SWMP

1. The NOI must include the SWMP when submitted to TCEQ for processing, and the Operator is required to certify the SWMP has been developed according to the general permit. Also, the SWMP Cover Sheet must be completed and placed to the front of the SWMP. When completing the SWMP Cover Sheet, be sure to enter the page number and/or page range for each item under an MCM.

2. The general permit requires the name, address, phone number and fax number of the designated person responsible for implementing and coordinating implementation of the SWMP. All information is required with an exception of email, however, this information is desired.

Changes to the SWMP may require TCEQ approval. Changes must be submitted by Notice of Change to the same address as the NOI. Notice of Change will either be automatically approved or additional information may be request before approval.

g. 7th Minimum Control Measure (MCM)

1. Indicate if the municipality is seeking coverage under this general permit for municipal construction activities where the municipality meets the definition of "construction site operator".

2. If authorization for municipal construction activities is proposed in this NOI the developed MCM must be included with the SWMP and the NOI must include a description of the boundaries covered in the MCM. The area included for this MCM must include only the regulated MS4 area; or it may include additional areas of the MS4 if all other MCMs are implemented over the additional area as well.

   This coverage may be obtained after the original NOI is approved. This may be accomplished by submitting a Notice of Change that includes the developed MCM and a description of the proposed municipal construction activity boundaries addressed in the MCM. If the MS4 operator proposes to include additional areas outside of the regulated MS4, then the Notice of Change must also indicate that the MS4 operator will implement the entire SWMP over the additional areas.

3. If the discharge or potential discharge from regulated construction activities is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, then additional requirements may exist under the Edwards Aquifer Protection Program (30 TAC Chapter 213). For construction activities that will be regulated under TXR040000, the approved Contributing Zone Plan or Water Pollution Abatement Plan must be included or referenced as part of the construction site stormwater pollution prevention plan. For other activities regulated under 30 TAC Chapter 213, information must be included in the SWMP. Compliance with any Edwards Aquifer requirements is required in addition to the requirements of this general permit.

h. Discharge Information

1. The stormwater may be discharged directly to a receiving stream or through another **MS4*** from your MS4. It eventually reaches a receiving water body such as a local

stream or lake, possibly via a drainage ditch. You must provide the name of the surface water body that receives the discharge from the site (a local stream or lake). 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) receiving a discharge directly or indirectly. Go to the link below to find the segment number of the classified water body where wastewater would flow: www.tceq.texas.gov/publications/gi/gi-316

3. Identify any surface water bodies receiving discharges from the small MS4 that are on the latest EPA-approved CWA § 303(d) list of impaired waters.

   EPA approved CWA 303d list of impaired waters can be found at: http://www.tceq.texas.gov/waterquality/assessment/305_303.html

4. Identify the **MS4*** Operator name if the stormwater discharge is into an MS4.

***MS4 is an acronym for Municipal separate storm sewer system. MS4 is defined as** a separate storm sewer system owned or operated by a state, city, town, 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 or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to water in the state.

For assistance, you may call the technical staff of the Water Quality Assessment & Standards Section at 512/239-4671.

i. Edwards Aquifer Rule

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 http://www.tceq.texas.gov/field/eapp/viewer.html

If the discharge or potential discharge is within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer, then 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 required in addition to the requirements of this general permit.

j. Public Participation

The applicant must indicate on the NOI that it will comply with the public participation requirements described in Part II.D.12 of the general permit. The person responsible for receiving the information from the TCEQ Chief Clerk for publishing in the newspaper must be identified and all contact information must be provided.

After review of the NOI and SWMP is completed, the Office of Chief Clerk will mail the Executive Director's preliminary determination to the contact provided in the NOI for publishing in the newspaper of largest circulation in the county of the small MS4.

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 it will end at the closing of the public meeting.

The applicant must file with the Chief Clerk a copy and an affidavit of the publication of notice(s) within 60 days of receiving the written instructions from the Office of Chief Clerk.

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.

5. CERTIFICATIONS

Failure to indicate **Yes** to ALL of the certification items may result in denial of coverage under the general permit.

Operator Certification:
The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code (TAC) §305.44.

IF YOU ARE A CORPORATION:
The regulation that controls who may sign an NOI or similar form is 30 Texas Administrative Code §305.44(a)(1) (see 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)(3) (see 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 statute(s) 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.

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.

   See Attached List of Sites (If more space is needed, you may attach a list.)

   Project/Site (RE) Name: _____

   Project/Site (RE) Physical Address:

Staple Check in This Space

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	208146
Trace Number:	582EA000166354
Date:	05/05/2014 03:45 PM
Payment Method:	CC - Authorization 0000063844
Amount:	$100.00
Fee Type:	GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION
ePay Actor:	Terri Rodriguez

Payment Contact Information

Name:	Terri Rodriguez
Company:	City Of Temple Storm Water
Address:	3210 E Ave H Suite 107, Temple, TX 76501
Phone:	254-298-5625

Site Information

Site Name:	CITY OF TEMPLE
Site Address:	3210 E AVE H, TEMPLE, TX 76501
Site Location:	TEMPLE TEXAS

Customer Information

Customer Name:	CITY OF TEMPLE
Customer Address:	3210 E AVE H, TEMPLE, TX 76501

TCEQ ePay Receipt

Transaction Information

Trace Number:	582EA000166354
Date:	05/05/2014 03:45 PM
Payment Method:	CC - Authorization 0000063844
Amount:	$100.00
ePay Actor:	Terri Rodriguez

Payment Contact Information

Name:	Terri Rodriguez
Company:	City Of Temple Storm Water
Address:	3210 E Ave H Suite 107, Temple, TX 76501
Phone:	254-298-5625

Cart Items

Voucher	Fee Description	AR Number	Amount
208146	GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION		$100.00

EPAY
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

>>Questions or Comments

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: 582EA000166354
Date: 05/05/2014 03:45 PM
Payment Method: CC - Authorization 0000063844
Amount: $100.00
ePay Actor: Terri Rodriguez
Actor Email: trodriguez@templetx.gov
IP: 67.79.126.62

Payment Contact Information

Name: Terri Rodriguez
Company: City Of Temple Storm Water
Address: 3210 E Ave H Suite 107, Temple, TX 76501
Phone: 254-298-5625

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
208146	GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION		$100.00
	Total fees for transaction:	**$100.00**	

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Last Modified 12/4/08
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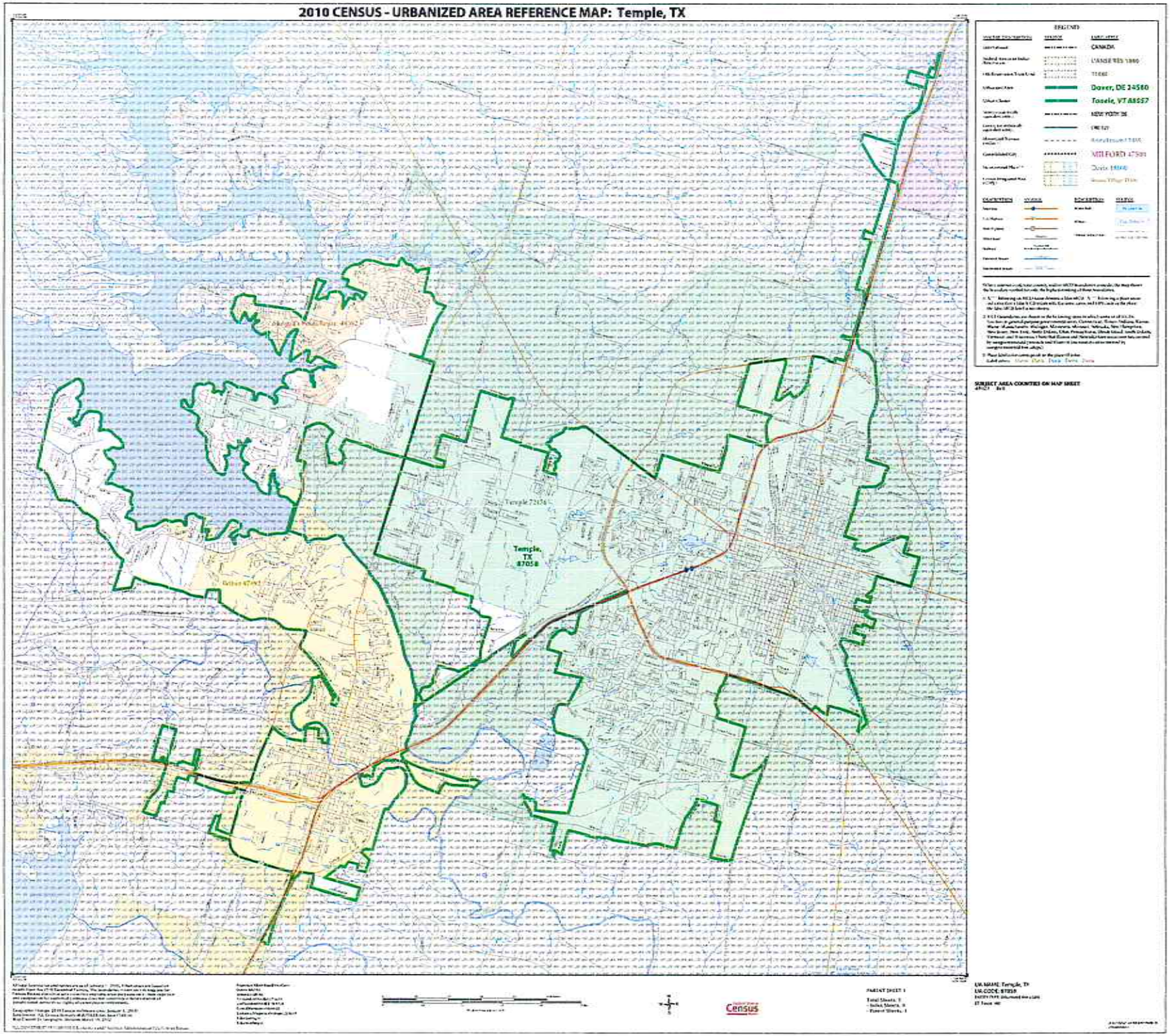
Appendix 3

Temple, Texas Urbanized Areas

2010 CENSUS - URBANIZED AREA REFERENCE MAP: Temple, TX



Appendix 4

TPDES Small MS4 General Permit for Storm Water Discharges (TXR040000)

Texas Commission on Environmental Quality

P.O. Box 13087, Austin, Texas 78711-3087

GENERAL PERMIT TO DISCHARGE UNDER THE

TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM

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

This permit supersedes and replaces
TPDES General Permit No. TXR040000, issued August 13, 2007

Small Municipal Separate Storm Sewer Systems

located in the state of Texas

may discharge directly to surface water in the state

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

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

EFFECTIVE DATE: DEC 13 2013

ISSUED DATE: DEC 13 2013

Bryan W. Shaw

For the Commission

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

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Part I. Definitions

Arid Areas - Areas with an average annual rainfall of less than ten (10) inches.

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

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

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

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

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

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

> **Small Construction Activity** is construction activity that results in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land.
>
> **Large Construction Activity** is construction activity that results in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land.

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

(a) The entity or entities that have operational control over construction plans and specifications (including approval of revisions) to the extent necessary to meet the requirements and conditions of this general permit; or

(b) The entity or entities that have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a stormwater pollution

prevention plan (SWP3) for the site or other permit conditions (for example they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

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

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

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

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

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

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

(a) All soil disturbing activities at the site have been completed and a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

(b) For individual lots in a residential construction site by either:

(1) The homebuilder completing final stabilization as specified in condition (a) above; or

(2) The homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.

(c) For construction activities on land used for agricultural purposes (for example pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

(d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:

(1) Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and

(2) The temporary erosion control measures are selected, designed, and installed to achieve 70 percent vegetative coverage within three years.

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

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

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

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

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

Illicit Discharge - Any discharge to 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 fire fighting activities.

Impaired Water - A surface water body that is identified on the latest approved CWA §303(d) List as not meeting applicable state water quality standards. Impaired waters include waters with approved or established total maximum daily loads (TMDLs), and those where a TMDL has been proposed by TCEQ but has not yet been approved or established.

Indian Country - Defined in 18 USC § 1151 as: (a) All land within the limits of any Indian reservation under the jurisdiction of the United States (U.S.) Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation; (b) All dependent Indian communities within the borders of the U.S. whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a state; and (c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. This definition includes all land held in trust for an Indian tribe.

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

Industrial Activity - Any of the ten (10) categories of industrial activities included in the definition of "stormwater discharges associated with industrial activity" as defined in 40 Code of Federal Regulations (CFR) §122.26(b)(14)(i)-(ix) and (xi).

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

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

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

(a) Owned or operated by the U.S., a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under the CWA §208 that discharges to surface water in the state;

(b) That is designed or used for collecting or conveying stormwater;

(c) That is not a combined sewer; and

(d) That is not part of a publicly owned treatment works (POTW) as defined in 40 CFR §122.2.

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

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

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

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

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

Permittee - The MS4 operator authorized under this general permit.

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

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

Redevelopment - Alterations of a property that changed the "footprint" of a site or building in such a way that there is a disturbance of equal to or greater than one (1) acre of land. This term does not include such activities as exterior remodeling, routine maintenance activities, and linear utility installation.

Semiarid Areas - Areas with an average annual rainfall of at least ten (10) inches, but less than 20 inches.

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

(a) Owned or operated by the U.S., a state, city, town, borough, county, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under CWA § 208;

(b) Designed or used for collecting or conveying stormwater;

(c) Which is not a combined sewer;

(d) Which is not part of a publicly owned treatment works (POTW) as defined in 40 CFR § 122.2; and

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

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

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

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

Stormwater Management Program (SWMP) - A comprehensive program to manage the quality of discharges from the 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, vegetative lined ditches, vegetative filter strips, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHWM) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; 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.

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

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

Urbanized Area (UA) - An area of high population density that may include multiple small MS4s as defined and used by the U.S. Census Bureau in the 2000 and the 2010 Decennial census.

Waters of the United States - (According to 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.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA (other than cooling ponds as defined in 40 CFR § 423.11(m) which also meet the criteria of this definition) are not waters of the U.S. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the U.S. (such as disposal area in wetlands) nor resulted from the impoundment of waters of the U.S. Waters of the U.S. do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the CWA, the final authority regarding the CWA jurisdiction remains with the EPA.

Part II. Permit Applicability and Coverage

This general permit provides authorization for stormwater and certain non-stormwater discharges from small municipal separate storm sewer systems (MS4) to surface water in the state. The general permit contains requirements applicable to all small MS4s that are eligible for coverage under this general permit.

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

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

1. Small MS4s Located in an Urbanized Area

Operators of small MS4s that are fully or partially located within an urbanized area (UA), as determined by the 2000 or 2010 Decennial Census by the U.S. Bureau of Census, must obtain authorization for the discharge of stormwater runoff and are eligible for coverage under this general permit unless otherwise prohibited.

2. Designated Small MS4s

A small MS4 that is outside an urbanized area that is *designated* by TCEQ based on evaluation criteria as required by 40 CFR § 122.32(a)(2) or 40 CFR § 122.26(a)(1)(v) and adopted by reference in Title 30, TAC § 281.25, is eligible for coverage under this general permit. Following designation, operators of small MS4s 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.

3. Operators of Previously Permitted Small MS4s

Operators of small MS4s that were covered under the previous TPDES general permit for small MS4s (TXR040000, Issued and Effective on August 13, 2007) must reapply for permit coverage, or must obtain a waiver if applicable (see Part II.B, related to Obtaining a Waiver.)

4. Regulated Portion of Small MS4

The portion of the small MS4 that is required to meet the conditions of this general permit are those portions that are located within the UA as defined and used by the U.S. Census Bureau in the 2000 or 2010 census, as well as any portion of the small MS4 that is designated by TCEQ.

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

5. Categories of Regulated Small MS4s

This permit defines MS4 operators by the following categories, or levels, based on the population served within the 2010 UA. The level of a small MS4 may change during the permit term based on the MS4 operator acquiring or giving up regulated area, such as by annexing land or if land is annexed away. However, the level of a small MS4 will not change during the permit term based on population fluctuation.

(a) Level 1: Operators of traditional small MS4s that serve a population of less than 10,000 within a UA;

(b) Level 2: Operators of traditional small MS4s that serve a population of at least 10,000 but less than 40,000 within a UA. This category also includes all non-traditional small MS4s such as counties, drainage districts, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the UA, unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served;

(c) Level 3: Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,000 within a UA;

(d) Level 4: Operators of traditional small MS4s that serve a population of 100,000 or more within a UA.

For the purpose of this section "serve a population" means the residential population within the regulated portion of the small MS4 based on the 2010 census, except for non-traditional small MS4s listed in (b) above.

Section B. Available Waivers from Coverage

The TCEQ may waive permitting requirements for small regulated MS4 operators if the criteria are met for Waiver Option 1 or 2 below. To obtain Waiver Option 1, the MS4 operator must submit the request on a waiver form provided by the executive director. To obtain Waiver Option 2, the MS4 operator must contact the executive director and coordinate the activities required to meet the waiver conditions. A provisional waiver from permitting requirements begins 30 days after an administratively complete waiver form is postmarked for delivery to the TCEQ. Following review of the waiver form, the executive director may:(1) Determine that the waiver form is technically complete and approve the waiver by providing a notification and a waiver number; (2) Determine that the waiver form is incomplete and deny the waiver until a completed waiver form is submitted; or (3) Deny the waiver and require that permit coverage be obtained.

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

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

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

For the purpose of obtaining a waiver, the population served refers to the residential population for traditional small MS4s and for certain non-traditional small MS4s with a residential population (such as counties and municipal utility districts). For other non-traditional small MS4s, the population served refers to the number of people using the small MS4 on an average operational day.

1. Waiver Option 1:

The small MS4 serves a population of less than 1,000 within a UA and meets the following criteria:

(a) The small MS4 is not contributing substantially to the pollutant loadings of a physically interconnected MS4 that is regulated by the NPDES / TPDES stormwater program (40 CFR § 122.32(d)); and

(b) If the small MS4 discharges any pollutant(s) that have been identified as a cause of impairment of any water body to which the small MS4 discharges, stormwater controls are not needed based on wasteload allocations that are part of an EPA approved or established TMDL that addresses the pollutant(s) of concern.

2. Waiver Option 2:

The small MS4 serves a population under 10,000 within a UA and meets the following criteria:

(a) The TCEQ has evaluated all waters of the U.S., including small streams, tributaries, lakes, and ponds, that receive a discharge from the small MS4;

(b) For all such waters, the TCEQ has determined that stormwater controls are not needed based on wasteload allocations that are part of an approved or established TMDL that addresses the pollutant(s) of concern or, if a TMDL has not been developed or approved, an equivalent analysis that determines sources and allocations for the pollutant(s) of concern; and

(c) The TCEQ has determined that future discharges from the small MS4 do not have the potential to exceed Texas surface water quality standards, including impairment of designated uses, or other significant water quality impacts, including habitat and biological impacts.

(d) For the purpose of this paragraph (2.), the pollutant(s) of concern include 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 the small MS4.

Section C. Allowable Non-Stormwater Discharges

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

1. Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
2. Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
3. Discharges from potable water sources that do not violate Texas Surface Water Quality Standards;
4. Diverted stream flows;
5. Rising ground waters and springs;
6. Uncontaminated ground water infiltration;
7. Uncontaminated pumped ground water;
8. Foundation and footing drains;
9. Air conditioning condensation;
10. Water from crawl space pumps;
11. Individual residential vehicle washing;
12. Flows from wetlands and riparian habitats;
13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper waste water;
15. Discharges or flows from emergency fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
17. Non-stormwater discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

Section D. Limitations on Permit Coverage

1. Discharges Authorized by Another TPDES Permit

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

(a) The discharges meet the applicability and eligibility requirements for coverage under this general permit;

(b) A previous application or permit for the discharges has not been denied, terminated, or revoked by the executive director as a result of enforcement or water quality related concerns. The executive director may provide a waiver to this provision based on new circumstances at the regulated small MS4; and

(c) The executive director has not determined that continued coverage under an individual permit is required based on consideration of an approved total maximum daily loading (TMDL) model and implementation plan, anti-backsliding policy, history of substantive non-compliance or other 30 TAC Chapter 205 considerations and requirements, or other site-specific considerations.

2. Discharges of Stormwater Mixed with Non-Stormwater

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

3. Compliance with Water Quality Standards

Discharges to surface water in the state that would cause, has the reasonable potential to cause, or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit except as described in Part II.D.4 below. The executive director may require an application for an individual permit or alternative general permit to authorize discharges to surface water in the state if the executive director determines that an activity will cause has the reasonable potential to cause, or contribute to, a violation of water quality standards or is found to cause, have the reasonable potential to cause, or contribute to the impairment of a designated use of surface water in the state. The executive director may also require an application for an individual permit based on factors described in Part II.F.2.

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

Discharges of the pollutant(s) of concern to impaired water bodies for which there is a TCEQ and EPA approved total maximum daily load (TMDL) are not eligible for this general permit unless they are consistent with the approved TMDL. A water body is impaired for purposes of the permit if it has been identified, pursuant to the latest TCEQ and EPA approved CWA §303(d) list, as not meeting Texas Surface Water Quality Standards.

The permittee shall control the discharges of pollutant(s) of concern to impaired waters and waters with approved TMDLs as provided in sections (a) and (b) below, and shall assess the progress in controlling those pollutants.

(a) Discharges to Water Quality Impaired Water Bodies with an Approved TMDL

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

The SWMP and required annual reports must include information on implementing any targeted controls required to reduce the pollutant(s) of concern as described below:

(1) Targeted Controls

The SWMP must include a detailed description of all targeted controls to be implemented, such as identifying areas of focused effort or implementing additional Best Management Practices (BMPs) to reduce the pollutant(s) of concern in the impaired waters.

(2) Measurable Goals

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

(3) Identification of Benchmarks

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

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

a. If the MS4 is subject to a TMDL that identifies a Waste Load Allocation(s) (WLA) for permitted MS4 stormwater sources, then the SWMP may identify it as the benchmark. Where an aggregate allocation is used as a benchmark, all affected MS4 operators are jointly responsible for progress in meeting the benchmark and shall (jointly or individually) develop a monitoring/assessment plan as required in Part II.D.4(a)(6).

b. Alternatively, if multiple small MS4s are discharging into the same impaired water body with an approved TMDL, with an aggregate WLA for all permitted stormwater MS4s, then the MS4s may combine or share efforts to determine an alternative sub-benchmark for the pollutant(s) of concern (e.g., bacteria) for their respective MS4. The SWMP must clearly define this alternative approach and must describe how the sub-benchmark would cumulatively support the aggregate WLA. Where an aggregate benchmark has been broken into sub-benchmarks for individual MS4s, each permittee is only responsible for progress in meeting its sub-benchmark.

(4) Annual Report

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

(5) Impairment for Bacteria

If the pollutant of concern is bacteria, the permittee shall include focused BMPs addressing the below areas, as applicable, in the SWMP and implement as appropriate. If a TMDL Implementation Plan (I-Plan) is available, the permittee may refer to the I-Plan for appropriate BMPs. The SWMP and annual report must include the selected BMPs. Permitees may not exclude BMPs associated with the minimum control measures required under 40 CFR §122.34 from their list of proposed BMPs. Proposed BMPs will be reviewed by the executive director during the NOI and SWMP review and approval process.

The BMPs shall, as appropriate, address the following:

a. Sanitary Sewer Systems

(i) Make improvements to sanitary sewers to reduce overflows;

(ii) Address lift station inadequacies;

(iii) Improve reporting of overflows; and

(iv) Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease.

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

(i) Identify and address failing systems; and

(ii) Address inadequate maintenance of On-Site Sewage Facilities (OSSFs).

c. Illicit Discharges and Dumping

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

d. Animal Sources

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

e. Residential Education

Increase focus to educate residents on:

(i) Bacteria discharging from a residential site either during runoff events or directly;

(ii) Fats, oils, and grease clogging sanitary sewer lines and resulting overflows;

(iii) Decorative ponds; and

(iv) Pet waste.

(6) Monitoring or Assessment of Progress

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

a. The permittee may use either of the following methods to evaluate progress towards the benchmark and improvements in water quality as follows:

(i) Evaluating Program Implementation Measures

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

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

(ii) Assessing Improvements in Water Quality

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

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

(7) Observing no Progress Towards the Benchmark

If, by the end of the third year from the effective date of the permit, the permittee observes no progress toward the benchmark either from program implementation or water quality assessments as described in Part II.D.4(a)(6), the permittee shall identify alternative focused BMPs that address new or increased efforts towards the benchmark or, as appropriate, shall develop a new approach to identify the most significant sources of the pollutant(s) of concern and shall develop alternative focused BMPs for those (this may also include information that identifies issues beyond the MS4's control). These revised BMPs must be included in the SWMP and subsequent annual reports.

Where the permittee originally used a benchmark based on an aggregated WLA, the permittee may combine or share efforts with other MS4s discharging to the same watershed to determine an alternative sub-benchmark for the pollutant(s) of concern for their respective MS4s, as described in Part II.D.4(a)(3)(b) above. Permittees must document, in their SWMP for the next permit term, the proposed schedule for the development and subsequent adoption of alternative sub benchmark for the pollutant(s) of concern for their respective MS4s and associated assessment of progress in meeting those individual benchmarks.

(b) Discharges Directly to Water Quality Impaired Water Bodies without an Approved TMDL

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

(1) Discharging a Pollutant of Concern

a. Within the first year following the permit effective date, the permittee shall determine whether the small MS4 may be a source of the pollutant(s) of concern by referring to the CWA §303(d) list and then determining if discharges from the MS4 would be likely to contain the pollutant(s) of concern at levels of concern.

b. If the permittee determines that the small MS4 may discharge the pollutant(s) of concern to an impaired water body without an approved TMDL, the permittee shall, no later than two years following the permit effective date, ensure that the SWMP includes focused BMPs, along with corresponding measurable goals, that the permittee will implement, to reduce, the discharge of pollutant(s) of concern that contribute to the impairment of the water body.

c. In addition, no later than three years following the permit effective date, the permittee shall submit an NOC to amend the SWMP to include any additional BMPs to address the pollutant(s) of concern.

(2) Impairment of Bacteria

Where the impairment is for bacteria, the permittee shall identify potential significant sources and develop and implement focused BMPs for those sources. The permittee may implement the BMPs listed in Part II.D.4(a)(5) or proposed alternative BMPs as appropriate.

(3) The annual report must include information on compliance with this section, including results of any sampling conducted by the permittee.

5. Discharges to the Edwards Aquifer Recharge Zone

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

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

The permittee's agency-approved WPAPs that are required by the Edwards Aquifer Rule must be referenced in the SWMP. Additional agency-approved WPAPs received after the SWMP submittal must be recorded in the annual report for each respective permit year. For discharges originating from the small MS4 permitted area, and located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the MS4 NOI to the appropriate TCEQ regional office with each WPAP application submitted to TCEQ on or after August 13, 2012.

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

Contact:

TCEQ, Water Program Manager
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
(210) 490-3096

Counties: Williamson, Travis, and Hays

Contact:

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

6. Discharges to Specific Watersheds and Water Quality Areas

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

7. Protection of Streams and Watersheds by Home Rule Municipalities

This general permit does not limit the authority of a home-rule municipality provided by § 401.002 of the Texas Local Government Code.

8. Indian Country Lands

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

9. Endangered Species Act

Discharges that would adversely affect a listed endangered or threatened species or its critical habitat are not authorized by this permit. Federal requirements related to endangered species apply to all TPDES permitted discharges, and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over potential impacts to listed species, the permittee shall contact TCEQ for additional information prior to submittal of the NOI and SWMP. If adverse impact is determined after submittal of the NOI and SWMP or after permit issuance, the permittee shall contact TCEQ immediately to determine corrective action and potential modification to the MS4's permit.

10. Other

Nothing in Part II of the general permit is intended to negate any person's ability to assert the force majeure (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC § 70.7.

This permit does not transfer liability for the act of discharging without, or in violation of, a NPDES or a TPDES permit from the operator of the discharge to the permittee(s).

Section E. Obtaining Authorization

1. Application for Coverage

When submitting a notice of intent (NOI) and SWMP, for coverage under this general permit, as described in Parts II.E.3., II.E.4, and Part III, the applicant must follow the public notice and availability requirements found in Part II.E.12 of this general permit.

Applicants seeking authorization to discharge under this general permit must submit a completed NOI on a form approved by the executive director, and a SWMP as described in Part III. The NOI and SWMP must be submitted to the TCEQ Water Quality Division, at the address specified on the form. Following review of the NOI and SWMP, the executive director may determine that: 1) The submission is complete and confirm coverage by providing a notification and an authorization number, 2) The NOI or SWMP are incomplete and deny coverage and require that a new complete NOI and SWMP be submitted, 3) Approve the NOI and SWMP with revisions and provide a written description of the required revisions along with any compliance schedule(s), or 4) Deny coverage and provide a deadline by which the MS4 operator must submit an application for an individual permit. Discharge authorization begins when the applicant is notified by TCEQ that the NOI and SWMP have been administratively and technically reviewed and the applicant has followed the public participation provisions in Part II.E.12. Denial of coverage under this general permit is subject to the requirements of 30 TAC § 205.4(c). Application deadlines are as follows:

(a) Small MS4s Located in a 2010 Urbanized Area (UA) (Newly regulated Small MS4s)

Operators of small MS4s described in Part II.A.1 that were not previously regulated under the TPDES General Permit TXR040000, shall submit an NOI and SWMP within 180 days following the effective date of this general permit.

(b) Small MS4s Located in a 2000 UA (Previously Regulated Small MS4s)

Operators of small MS4s described in Part II.A.1 that were required to obtain authorization under the previous TPDES General Permit TXR040000 based on the 2000 UA maps shall submit an NOI and revised SWMP within 180 days following the effective date of this general permit.

(c) Designated Small MS4s

Following designation, operators of small MS4s described in Part II.A.2 shall submit an NOI and SWMP, or apply for coverage under an individual TPDES stormwater permit, within 180 days of being notified in writing by the TCEQ of the need to obtain permit coverage.

(d) Individual Permit Alternative

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

2. Late Submission of the NOI and SWMP

Operators are not prohibited from submitting an NOI and SWMP after the deadlines provided. If a late NOI and SWMP are submitted, then this general permit provides authorization only for discharges that occur after permit coverage is obtained. The TCEQ reserves the right to take appropriate enforcement actions for any unpermitted discharges.

3. Stormwater Management Program (SWMP)

A SWMP must be developed and submitted with the NOI for eligible discharges that will reach waters of the U.S., including discharges from the regulated small MS4 to other MS4s or to privately-owned separate storm sewer systems that subsequently drain to waters of the U.S., according to the requirements of Part III of this general permit. The SWMP must include, as appropriate, the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action throughout the permit term.

New elements in the program must be completely implemented within five years of the effective date of this general permit, or within five years of being designated for those small MS4s which are designated following permit issuance. Previously regulated MS4s shall assess existing program elements set forth 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.

Changes may be made to the SWMP during the permit term. The TCEQ may notify the permittee of the need to modify the SWMP to be consistent with the general permit, in which case the permittee will have 90 days to finalize such changes to the SWMP.

Changes that are made to the SWMP before the NOI is approved by the TCEQ must be submitted in a letter providing supplemental information to the NOI. Changes to the SWMP that are made after TCEQ approval of the NOI and SWMP may be made following submittal of a notice of change (NOC) and receipt of written approval of the NOC from the TCEQ, except as follows:

(a) The following changes may be implemented without submitting an NOC form. The changes may be made immediately following revision of the SWMP, and must be included in the annual report:

(1) Adding components, controls, or requirements to the SWMP; or replacing a BMP with an equivalent BMP. An equivalent BMP is one that is intended to address the same concern as the original BMP and is substantially similar in nature to the original BMP;

(2) Nonsubstantive changes, including:

a. A change in personnel, or a reorganization of departments responsible for implementing the SWMP;

b. Minor clarifications to the existing BMPs;

c. Correction of typographical errors;

d. Other similar administrative or nonsubstantive comments.

(3) Adding or subtracting area(s) during the permit term, such as by annexing land or if land is de-annexed.

(b) The permittee may replace a less effective or infeasible BMP specifically identified in the SWMP with an alternative BMP, (for example, replacing a structural BMP with a non-structural BMP). Such a change may be implemented within 60 days following submittal of an NOC form, unless the NOC is denied in writing by TCEQ. Such requests must include the following:

(1) An explanation of why the BMP was eliminated;

(2) An explanation of the effectiveness of the replacement BMP; and

(3) An explanation of how the replacement BMP is expected to achieve the goals of the previous BMP.

(c) All other changes must be submitted on an NOC form and may only be implemented following written approval by TCEQ (See Part II.E.5).

4. Contents of the NOI

The NOI must contain the following minimum information:

(a) MS4 Operator Information

(1) The name, mailing address, electronic mail (email) address, telephone number, and facsimile (fax) number of the MS4 operator; and

(2) The legal status of the MS4 operator (for example, federal government, state government, county government, city government, or other government).

(b) Site Information

(1) The name, physical location description, and latitude and longitude of the approximate center of the regulated portion of the small MS4;

(2) County or counties where the small MS4 is located;

(3) An indication if all or a portion of the small MS4 is located on Indian Country Lands;

(4) The name, mailing address, telephone number, email (if available) and fax number of the designated person(s) responsible for implementing or coordinating implementation of the SWMP;

(5) A signature and certification on the NOI, according to 30 TAC § 305.44, that a SWMP has been developed according to the provisions of this permit;

(6) A statement that the applicant will comply with the Public Participation requirements described in Part II.E.12.;

(7) The name of each classified segment that receives discharges, directly or indirectly, from the small MS4. If one or more of the discharge(s) is not directly to a classified segment, then the name of the first classified segment that those discharges reach must be identified;

(8) The name of any MS4 receiving the discharge prior to discharge into waters of the U.S.;

(9) The name of all surface water(s) receiving discharges from the small MS4 that are on the latest EPA-approved CWA § 303(d) list of impaired waters;

(10) An indication of whether the small MS4 discharges within the Recharge Zone, the Contributing Zone or the Contributing Zone within the Transition Zone of the Edwards Aquifer; and

(11) Any other information deemed necessary by the executive director.

5. Notice of Change (NOC)

If the MS4 operator becomes aware that it failed to submit any relevant facts, or submitted incorrect information in the NOI, the correct information must be provided to the executive director in a NOC within 30 days after discovery. If any information provided in the NOI changes, an NOC must be submitted within 30 days from the time the permittee becomes aware of the change.

Any revisions that are made to the SWMP must be made in accordance with Part II.E.3. above. Changes that are made to the SWMP following NOI approval must be made using an NOC form, in accordance with Part II.E.3. above.

6. Change in Operational Control of a Small MS4

If the operational control of the regulated small MS4 changes, the previous operator must submit a Notice of Termination (NOT) and the new operator must submit an NOI and SWMP. The NOT and NOI must be submitted concurrently not more than ten (10) calendar days after the change occurs.

7. Notice of Termination (NOT)

A permittee may terminate coverage under this general permit by providing a Notice of Termination (NOT) on a form approved by the executive director. Authorization to discharge terminates at midnight on the day that an NOT is postmarked for delivery to the TCEQ, or immediately following confirmation of receipt of the electronic NOT form by the TCEQ. A NOT must be submitted within 30 days after the MS4 operator obtains coverage under an individual permit.

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

NOI, NOT, NOC, and Waiver forms must be signed and certified consistent with 30 TAC § 305.44(a) and (b) (relating to Signatories to Applications).

9. Fees

An application fee of $100.00 must be submitted with each NOI. A fee is not required for submission of a waiver form, a NOT, or an NOC.

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

10. Permit Expiration

(a) This general permit is effective for five (5) years from the permit effective date. Authorizations for discharge under the provisions of this general permit will continue until the expiration date of the general permit. This general permit may be amended, revoked, or canceled by the commission or renewed by the TCEQ for an additional term not to exceed five (5) years.

(b) If the executive director proposes to reissue this general permit before the expiration date, the general permit will remain in effect until the date on which the commission takes final action on the proposal to reissue this general permit. For existing permittees, general permit coverage will remain in effect after the expiration date of the existing general permit, in accordance with 30 TAC, Chapter 205. No new NOIs will be accepted and no new authorizations will be processed under the general permit after the expiration date.

(c) Following issuance of a renewed or amended general permit, all permittees, including those covered under the expired general permit, may be required to submit an NOI according to the requirements of the new general permit or to obtain a TPDES individual permit for those discharges. The renewed permit will include a deadline to apply for coverage, and authorization for existing permittees will be automatically extended until the deadline to apply for coverage, or until an application is submitted for renewal, whichever occurs first.

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

11. Suspension of Permit Coverage

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

12. Public Notice Process for NOI submittal

An applicant under this general permit shall adhere to the following procedures:

(a) The applicant shall submit an NOI and SWMP to the executive director. The SWMP must include information about:

(1) BMPs the applicant will implement for each of the six MCMs, as appropriate;

(2) The measurable goals for each of the BMPs, including, as appropriate the months and years in which the applicant will take the required actions, including interim milestones and the frequency of the action; and

(3) The person or persons responsible for implementing or coordinating the applicants SWMP.

(b) After the applicant receives written instructions from the TCEQ's Office of Chief Clerk, the applicant must publish notice of the executive director's preliminary decision on the NOI and SWMP.

(c) The notice will include the following information, at a minimum:

(1) The legal name of the MS4 operator;

(2) Indication of whether the NOI is for a new authorization or is a renewal of an existing authorization;

(3) The address of the applicant;

(4) A brief summary of the information included in the NOI, such as the general location of the small MS4 and a description of the classified receiving waters that receive the discharges from the small MS4;

(5) The location and mailing address where the public may provide comments to the TCEQ;

(6) The public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be reviewed; and

(7) If required by the executive director, the date, time, and location of the public meeting.

(d) This notice must be published at least once in a newspaper of general circulation in the municipality or county where the small MS4 is located. If the small MS4 is located in multiple municipalities or counties, the notice must be published at least once in a newspaper of general circulation in the municipality or county containing the largest resident population for the regulated portion of the small MS4. This notice must provide opportunity for the public to submit comments on the NOI and SWMP. In addition, the notice must allow the public to request a public meeting. A public meeting will be held if the TCEQ determines that there is significant public interest.

(e) The public comment period begins on the first date the notice is published and lasts for at least 30 days. If a public meeting is held, the comment period will end at the closing of the public meeting (see paragraph (f) below). The public may submit written comments to the TCEQ Office of Chief Clerk during the comment period detailing how the NOI or SWMP for the small MS4 fails to meet the technical requirements or conditions of this general permit.

(f) If significant public interest exists, the executive director will direct the applicant to publish a notice of the public meeting and to hold the public meeting. The applicant shall publish notice of a public meeting at least 30 days before the meeting and hold the public meeting in a county where the small MS4 is located. TCEQ staff will facilitate the meeting.

(g) If a public meeting is held, the applicant shall describe the contents of the NOI and SWMP. The applicant shall also provide maps and other data on the small MS4. The applicant shall provide a sign in sheet for attendees to register their names and addresses and furnish the sheet to the executive director. A public meeting held under this general permit is not an evidentiary proceeding.

(h) The applicant shall file with the Chief Clerk a copy and an affidavit of the publication of notice(s) within 60 days of receiving the written instructions from the Chief Clerk.

(i) The executive director, after considering public comment, will either approve, approve with conditions, or deny the NOI based on whether the NOI and SWMP meet the requirements of this general permit.

(j) Persons whose names and addresses appear legibly on the sign-in sheet from the public meeting and persons who submitted written comments to the TCEQ will be notified by the TCEQ's Office of Chief Clerk of the executive director's decision regarding the authorization.

Section F. Permitting Options

1. Authorization Under the General Permit

An operator of a small MS4 is required to obtain authorization either under this general permit, or under an individual TPDES permit if it is located in a UA or designated by the TCEQ. Multiple small MS4s with separate operators must individually submit an NOI to obtain coverage under this general permit, regardless of whether the systems are physically interconnected, located in the same UA, or are located in the same watershed. Each regulated small MS4 will be issued a distinct permit number. These MS4 operators may combine or share efforts in meeting any or all of the SWMP requirements stated in Part III of this general permit. MS4 operators that share SWMP development and implementation responsibilities must meet the following conditions:

(a) Participants

The SWMP must clearly list the name and permit number for each MS4 operator that chooses to contributes to development or implementation of the SWMP, and provide written confirmation that the contributing MS4 operator has agreed to contribute. If a contributing small MS4 has submitted a NOI and SWMP to TCEQ, but has not yet received written notification of approval, along with the accompanying permit authorization number, a copy of the submitted NOI form must be made readily available or be included in the SWMP.

(b) Responsibilities

Each permittee is entirely responsible for meeting SWMP requirements within the boundaries of its small MS4. Where a separate MS4 operator is contributing to implementation of the SWMP, the SWMP must clearly define each minimum control measure and the component(s) each entity agrees to implement, within which MS4 area(s) each entity agrees to implement and clearly identify the contributing MS4 operator.

2. Alternative Coverage under an Individual TPDES Permit

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

entitled to a hearing before the commission prior to having its coverage denied or suspended, in accordance with TWC § 26.040(h).

Part III. Stormwater Management Program (SWMP)

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

A permittee that implements best management practices consistent with the provisions of their permit and SWMP constitutes compliance with the standard of reducing pollutants to the MEP and will be deemed in compliance with Part III of this permit. This permit does not extend any compliance deadlines set forth in the previous permit effective August 13, 2007.

Section A. Developing a Stormwater Management Program (SWMP)

1. SWMP Development and Schedule

(a) Existing regulated small MS4s

Permittees who were regulated under the previous TPDES general permit TXR040000, shall update and submit to the TCEQ an updated SWMP under this general permit along with the NOI for coverage. The NOI and SWMP are due within 180 days of the general permit effective date. The permittee shall continue to operate under the conditions of the previous permit and existing SWMP until the revised SWMP is approved.

(b) New regulated small MS4s

Operators of regulated small MS4s that were not required to obtain permit coverage under the previous TPDES general permit TXR040000, have 180 days from the effective date of the general permit to develop and submit their NOI and SWMP.

(c) Implementation of the SWMP

Existing small MS4 operators shall ensure full implementation of any new elements in the revised SWMP as soon as practicable, but no later than five years from the permit effective date. Previously regulated MS4 operators shall continue to implement existing elements in the approved SWMPs until the revised SWMPs has been approved.

Designated small MS4s must achieve full implementation of the SWMP as soon as practicable, but no later than five years from designation. Newly regulated small MS4s, based on the 2010 Decennial Census, must achieve full implementation of the SWMP as soon as practicable, but no later than five years from the permit effective date.

2. Content of the SWMP

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

(a) A description of Minimum Control Measures (MCM) with measureable goals, including, as appropriate, the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action for each MCM described in Part III, Section B.

(b) A measurable goal that includes the development of ordinances or other regulatory mechanisms, allowed by state, federal and local law, providing the legal authority necessary to implement and enforce the requirements of this permit, including information on any limitations to the legal authority;

(c) A summary of written procedures describing how the permittee will implement the provisions in Parts III and IV of this general permit.

(d) A description of a program or a plan of compliance with the requirements in Part II.D.4. (relating to Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements)

3. Legal Authority

(a) Traditional small MS4s, such as cities

(1) Within two years from the permit effective date, the permittee shall review and revise, if needed, its relevant ordinance(s) or other regulatory mechanism(s), or shall adopt a new ordinance(s) or other regulatory mechanism(s) that provide the permittee with adequate legal authority to control pollutant discharges into and from its small MS4 in order to meet the requirements of this general permit.

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

a. Authority to prohibit illicit discharges and illicit connections;

b. Authority to respond to and contain other releases – Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4;

c. Authority to require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;

d. Authority to require installation, implementation, and maintenance of control measures;

e. Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;

f. Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;

g. Authority to respond to non-compliance with BMPs required by the small MS4 consistent with their ordinances or other regulatory mechanism(s);

h. Authority to assess penalties, including monetary, civil, or criminal penalties; and

i. Ability to enter into interagency or interlocal agreements or other maintenance agreements, as necessary.

(b) Non-traditional small MS4s, such as counties, drainage districts, transportation entities, municipal utility districts, military bases, prisons and universities

(1) Where the permittee lacks the authority to develop ordinances or to implement enforcement actions, the permittee shall exert enforcement authority as required by this general permit for its facilities, employees, contractors, and any other entity over which it has operational control within the portion of the UA under the jurisdiction of the permittee. For discharges from third party actions, the permittee shall perform inspections and exert enforcement authority to the MEP.

(2) If the permittee does not have inspection or enforcement authority and is unable to meet the goals of this general permit through its own powers, then, unless otherwise stated in this general permit, the permittee shall perform the following actions in order to meet the goals of the permit:

a. Enter into interlocal agreements with municipalities where the small MS4 is located. These interlocal agreements must state the extent to which the municipality will be responsible for inspections and enforcement authority in order to meet the conditions of this general permit; or,

b. If it is not feasible for the permittee to enter into interlocal agreements, the permittee shall notify an adjacent MS4 operator with enforcement authority or TCEQs Field Operations Support Division as needed to report discharges or incidents that it cannot itself enforce against. In determining feasibility for entering into interlocal agreements, the permittee shall consider all factors, including, without limitations, financial considerations and the willingness of the municipalities in which the small MS4 is located.

4. Resources

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

5. Effluent Limitations

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

6. Enforcement Measures

Permittees with enforcement authority (i.e. traditional small MS4s) shall develop a standard operating procedure (SOP) to respond to violations to the extent allowable under state and local law. When the permittee does not have enforcement authority over the violator, and the violations continue after violator has been notified by the permittee, the permittee shall notify either the adjacent MS4 operator with enforcement authority or TCEQ's Field Operations Support Division.

Section B. Minimum Control Measures

Operators of small MS4s seeking coverage under this general permit shall develop and implement a SWMP that includes the following six minimum control measures (MCMs), as applicable.

All program elements must be implemented according to the schedule mentioned in Part III.A. All six MCMs apply to all MS4s regardless of their level as described in Part II.A.5. Specific program elements under each MCM shall be implemented by all MS4 operators, unless it is specifically stated that particular program elements only are applicable for certain levels of small MS4s.

Permittees shall provide justification within the SWMP for any requirements that were not implemented because they were not feasible as described in each MCM.

1. Public Education, Outreach, and Involvement

(a) Public Education and Outreach

(1) All permittees 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.

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. 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, promoting previous techniques used in the small MS4, or improving the quality of discharges to the Edwards Aquifer);

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, all permittees shall make the educational materials available to convey the program's message to the target audience(s) at least annually.

(3) 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.

(4) MS4 operators may partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.

(b) Public Involvement

All permittees shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related

to developing and implementing the SWMP, except that correctional facilities are not required to implement this portion of the MCM.

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. At a minimum, all permittees shall:

(1) If feasible, consider using public input (for example, the opportunity for public comment, or public meetings) in the implementation of the program;

(2) If feasible, create opportunities for citizens to participate in the implementation of control measures, such as stream clean-ups, storm drain stenciling, volunteer monitoring, volunteer "Adopt-A-Highway" programs, and educational activities;

(3) Ensure the public can easily find information about the SWMP.

2. Illicit Discharge Detection and Elimination (IDDE)

(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;

f. For Level 4 small MS4s, procedures for identifying priority areas within the small MS4 likely to have illicit discharges, and a list of all such areas identified in the small MS4 (See Part III.B.2.(g)(1));

g. For Level 4 small MS4s, field screening to detect illicit discharges (See Part III.B.2.(g)(2)).

(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

To the extent feasible, 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.

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

In addition to the requirements described in Parts III.B.2(c)(1)-(6) above, permittees who operate level 3 and 4 small MS4s shall meet the following requirements:

(1) Source Investigation and Elimination

Permittees who operate level 3 and 4 small MS4 shall upon being notified that the discharge has been eliminated, conduct a follow-up investigation or field screening, consistent with Part III.B.2.(e)(2), to verify that the discharge has been eliminated. The permittee shall document its follow-up investigation. The permittee may seek recovery and remediation costs from responsible parties consistent with Part III.A.3., and require compensation related costs. Resulting enforcement actions must follow the procedures for enforcement action in Part III.A.3. If the suspected source of the illicit discharge is authorized under an NPDES/TPDES permit or the discharge is listed as an authorized non-stormwater discharge, as described in Part III.C, no further action is required.

(e) Additional Requirements for Level 4 small MS4s

In addition to the requirements described in Parts III.B.2(c)-(d) above, permittees who operate level 4 small MS4s shall meet the following requirements:

(1) Identification of Priority Areas

Permittees who operate level 4 small MS4s shall identify priority areas and shall document the basis for the selection of each priority area and shall create a list of all priority areas identified. This priority area list must be available for review by the TCEQ.

(2) Dry Weather Field Screening

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

If dry weather field screening is necessary, at a minimum, the permittee shall:

a. Conduct dry weather field screening in priority areas as identified by the permittee in Part III.B.2(e)(1). By the end of the permit term, all of those priority areas, although not necessarily all individual outfalls must be screened.

b. Field observation requirements – The permittee shall develop written procedures for observing flows from outfalls when there has been at least 72 hours of dry weather. The written procedures should include the basis used to determine which outfalls would be observed. The permittee shall record visual observations such as odor, color, clarity, floatables, deposits or stains.

c. Field screening requirements – The permittee shall develop written procedures to determine which dry weather flows will be screened, based on results of field observations or complaint from the public or the permittee's trained field staff. At a minimum, when visual observations indicate a potential problem such as discolored flows, foam, surface sheen, and other similar indicators of contamination, the permittee shall conduct a field screening analysis for selected indicator pollutants as determined by the permittee. Screening methodology may be modified based on experience gained during the actual field screening activities. The permittee shall document the method used.

3. Construction Site Stormwater Runoff Control

(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 the progam 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 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 within a period of time determined by the permittee. In arid, semiarid, and drought-stricken areas, as determined by the permittee, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permittee.

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, as determined by the permittee, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permittee. 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 inspections of sites operated by the permittee or its contractors and that are located in the permittee's regulated area.

a. Inspections must occur at a frequency determined by the permittee, 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, implement, and revise as necessary, 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.

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

In addition to the requirements described in Parts III.B.3(b)(1)-(7) above, permittees who operate level 3 and 4 small MS4s shall meet the following requirements:

(1) Construction Site Inventory

Permittees who operate level 3 and 4 small MS4s shall maintain an inventory of all permitted active public and private construction sites, that result in a total land disturbance of one or more acres or that result in a total land disturbance of less than one acre if part of a larger common plan or development or sale. Notification to the small MS4 should be made by submittal of a copy of an NOI or a small construction site notice. The permittee shall make this inventory available to the TCEQ upon request.

4. Post-Construction Stormwater Management in New Development and Redevelopment

(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, 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 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 is documented and retained on site, such as at the offices of the owner or operator, and made available for review by the small MS4.

(c) Additional Requirements for Level 4 small MS4s

In addition to the requirements described in Parts III.B.5(b)(1)-(3) above, permittees who operate level 4 small MS4s shall meet the following requirements:

(1) Inspections - Permittees who operate level 4 small MS4s shall develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained as required consistent with its applicable maintenance plan. For small MS4s with limited enforcement authority, this requirement applies to the structural controls owned and operated by the small MS4 or its contractors that perform these activities within the small MS4's regulated area.

a. Inspection Reports - The permittee shall document its inspection findings in an inspection report and make them available for review by the TCEQ.

5. Pollution Prevention and Good Housekeeping for Municipal Operations

(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.

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 permitees 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 may include all applicable permit numbers, registration numbers, and authorizations for each facility or controls. The inventory must be available for review by TCEQ and must include, but is not limited, to the following, as applicable:

a. Composting facilities;

b. Equipment storage and maintenance facilities;

c. Fuel storage facilities;

d. Hazardous waste disposal facilities;

e. Hazardous waste handling and transfer facilities;

f. Incinerators;

g. Landfills;

h. Materials storage yards;

i. Pesticide storage facilities;

j. Buildings, including schools, libraries, police stations, fire stations, and office buildings;

k. Parking lots;

l. Golf courses;

m. Swimming pools;

n. Public works yards;

o. Recycling facilities;

p. Salt storage facilities;

q. Solid waste handling and transfer facilities;

r. Street repair and maintenance sites;

s. Vehicle storage and maintenance yards; and

t. Structural stormwater controls.

(2) Training and Education

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

(3) Disposal of Waste Material - Waste materials removed from the small MS4 must be disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable.

(4) Contractor Requirements and Oversight

a. Any contractors hired by the permittee to perform maintenance activities on permittee-owned facilities must be contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures described in Parts III B.5.(2)-(6).

b. All permittees shall provide oversight of contractor activities to ensure that contractors are using appropriate control measures and SOPs. Oversight procedures must be developed before the end of the permit term and maintained on site and made available for inspection by TCEQ.

(5) Municipal Operation and Maintenance Activities

a. Assessment of permittee-owned operations

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

(i) Road and parking lot maintenance 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. A log of inspections must be maintained and made available for review by the TCEQ upon request.

(6) Structural Control Maintenance

If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the permittee and consistent with maintaining the effectiveness of the BMP.

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

In addition to the requirements described in Parts.B.5.(b)(1)-(6) above, permittees who operate level 3 or 4 small MS4s shall meet the following requirements:

(1) Storm Sewer System Operation and Maintenance

a. Permittees who operate level 3 or 4 small MS4s shall develop and implement an O&M program to reduce to the maximum extent practicable the collection of pollutants in catch basins and other surface drainage structures.

b. Permittees who operate level 3 or 4 small MS4s shall develop a list of potential problem areas. The permittees shall identify and prioritize problem areas for increased inspection (for example, areas with recurrent illegal dumping).

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

Permittees who operate level 3 or 4 small MS4s shall implement an O&M program that includes, if feasible and practicable, a street sweeping and cleaning program,

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

a. Implementation schedules – If a sweeping program is implemented, the permittee shall sweep the areas in the program (for example, the streets, roads, and public parking lots) in accordance with a frequency and schedule determined in the permittee's O&M program.

b. For areas where street sweeping is technically infeasible (for example, streets without curbs), the permittee shall focus implementation of other trash and litter control procedures, or provide inlet protection measures to minimize pollutant discharges to storm drains and creeks.

c. Sweeper Waste Material Disposal – If utilizing street sweepers, the permittee shall develop a procedure to dewater and dispose of street sweeper waste material and shall ensure that water and material will not reenter the small MS4.

(3) Mapping of Facilities

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

(4) Facility Assessment

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

a. Assessment of Facilities' Pollutant Discharge Potential - The permittee shall review the facilities identified in Part III.B.5.(b) once per permit term for their potential to discharge pollutants into stormwater.

b. Identification of *high priority* facilities - Based on the Part III.B.5.(c)(4)a. assessment, the permittee shall identify as *high priority* those facilities that have a high potential to generate stormwater pollutants and shall document this in a list of these facilities. Among the factors that must be considered in giving a facility a high priority ranking are the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must not be performed outside (for example, changing automotive fluids, vehicle washing), proximity to waterbodies, proximity to sensitive aquifer recharge features, poor housekeeping practices, and discharge of pollutant(s) of concern to impaired water(s). High priority facilities must include, at a minimum, the permittee's maintenance yards, hazardous waste facilities, fuel storage locations, and any other facilities at which chemicals or other materials have a high potential to be discharged in stormwater.

c. Documentation of Assessment Results - The permittee shall document the results of the assessments and maintain copies of all site evaluation checklists used to conduct the assessments. The documentation must include the results

of the permittee's initial assessment, and any identified deficiencies and corrective actions taken.

(5) Development of Facility Specific SOPs

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

a. For each high priority facility identified in Part III.B.5.(c)(4)b., the permittee shall develop a SOP that identifies BMPs to be installed, implemented, and maintained to minimize the discharge of pollutants in stormwater from each facility.

b. A hard or electronic copy of the facility-specific stormwater management SOP (or equivalent existing plan or document) must be maintained and be available for review by the TCEQ. The SOP must be kept on site when possible and must be updated as necessary.

(6) Stormwater Controls for High Priority Facilities

Permittees who operate level 3 or 4 small MS4s shall implement the following stormwater controls at all high priority facilities identified in Part III.B.5.(c)(4)b. A description of BMPs developed to comply with this requirement must be included in each facility specific SOP:

a. General good housekeeping – Material with a potential to contribute to stormwater pollution should be sheltered from exposure to stormwater when feasible.

b. De-icing and anti-icing material storage - The permittee shall ensure, to the MEP, that stormwater runoff from storage piles of salt and other de-icing and anti-icing materials is not discharged; or shall ensure that any discharges from the piles are authorized under a separate discharge permit.

c. Fueling operations and vehicle maintenance - The permittee shall develop SOPs (or equivalent existing plans or documents) which address spill prevention and spill control at permittee-owned and operated vehicle fueling, vehicle maintenance, and bulk fuel delivery facilities.

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

(7) Inspections

Permittees who operate level 3 or 4 small Ms4s shall develop and implement an inspection program, which at a minimum must include periodic inspections of high priority permittee-owned facilities. The results of the inspections and observations must be documented and available for review by the TCEQ.

(d) Additional Requirements for Level 4 small MS4s:

In addition to all the requirements described in Parts III.B.5(b) and III.B.5.(c) above, permittees who operate level 4 small MS4s shall meet the following requirements:

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

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

b. The permittee shall implement the following practices to minimize landscaping-related pollutant generation with regard to public spaces owned and operated by the permittee:

(i) Educational activities, permits, certifications, and other measures for the permittee's applicators and distributors.

(ii) Pest management measures that encourage non-chemical solutions where feasible. Examples may include:

(a) Use of native plants or xeriscaping;

(b) Keeping clippings and leaves out the small MS4 and the street by encouraging mulching, composting, or landfilling;

(c) Limiting application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions;

(d) Reducing mowing of grass to allow for greater pollutant removal, but not jeopardizing motorist safety.

c. The permittee shall develop schedules for chemical application in public spaces owned and operated by the permittee that minimize the discharge of pollutants from the application due to irrigation and expected precipitation.

d. The permittee shall ensure collection and proper disposal of the permittee's unused pesticides, herbicides, and fertilizers.

6. Industrial Stormwater Sources

(a) Permittees operating a level 4 small MS4 shall include the requirements described below in Part III. B.6.(1) – this requirement is only applicable to level 4 MS4s

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

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

The development of this MCM for construction activities, where the small MS4 is the site operator, is optional and provides an alternative to the MS4 operator seeking coverage under TPDES CGP, TXR150000 for each construction activity. Permittees that choose to develop this measure will be authorized to discharge stormwater and certain non-stormwater from construction activities where the MS4 operator meets the definition of a construction site operator in Part I of this general permit. When developing this measure, permittees are required to meet all requirements of, and be consistent with, applicable effluent limitation guidelines for the Construction and Development industry (40 CFR Part 450), TPDES CGP TXR150000, and Part III.B.3 of this permit. The authorization to discharge under this MCM is limited to the regulated area, such as the portion of the small MS4 located within a UA or the area designated by TCEQ as requiring coverage. However, an MS4 operator may also utilize this MCM over additional portions of their small MS4 that are also in compliance with all of the MCMs listed in this general permit. This MCM must be developed as a part of the SWMP that is submitted with the NOI for permit coverage. If this MCM is developed after submitting the initial NOI, a NOC must be submitted notifying the executive director of this change, and identifying the geographical area or boundary where the activities will be conducted under the provisions of this general permit. Utilization of this MCM does not preclude a small MS4 from obtaining coverage under the TPDES CGP, TXR150000, or under an individual TPDES permit.

This MCM is only available for projects where the small MS4 is a construction site operator or owner, and the MCM does not provide any authorization for other construction site operators at a municipal project.

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

(a) The MCM must include:

(1) A description of how construction activities will generally be conducted by the permittee so as to take into consideration local conditions of weather, soils, and other site specific considerations;

(2) A description of the area that this MCM will address and where the permittee's construction activities are covered (for example within the boundary of the urbanized area, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary);

(3) Either a description of how the permittee will supervise or maintain oversight over contractor activities to ensure that the SWP3 requirements are properly implemented at the construction site; or how the permittee will make certain that contractors have a separate authorization for stormwater discharges;

(4) A general description of how a SWP3 will be developed for each construction site, according to Part VI of this general permit, "Authorization for Municipal Construction Activities"; and

(5) Records of municipal construction activities authorized under this optimal MCM, in accordance with Part VI of this general permit.

Section C. General Requirements

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

1. A list of any public or private entities assisting with the development or implementation of the SWMP;
2. If applicable, a list of all MS4 operators contributing to the development and implementation of the SWMP, including a clear description of the contribution;
3. A list of all BMPs and measurable goals for each of the MCMs;
4. A schedule for the implementation of all SWMP requirements. The schedule must include, as appropriate, the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action throughout the permit term.
5. A description of how each measurable goal will be evaluated; and
6. A rationale statement that addresses the overall program, including how the BMPs and measurable goals were selected.

Part IV. Recordkeeping and Reporting

Section A. Recordkeeping

1. The permittee shall retain all records, a copy of this TPDES general permit, and records of all data used to complete the application (NOI) for this general permit and satisfy the public participation requirements, for a period of at least three (3) years, or for the remainder of the term of this general permit, whichever is longer. This period may be extended by request of the executive director at any time.
2. The permittee shall submit the records to the executive director only when specifically asked to do so. The SWMP required by this general permit (including a copy of the general permit) must be retained at a location accessible to the TCEQ.
3. The permittee shall make the NOI and the SWMP available to the public at reasonable times during regular business hours, if requested to do so in writing. Copies of the SWMP must be made available within ten (10) working days of receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act. However, all requests for records from federal facilities must be made in accordance with the Freedom of Information Act.
4. The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

Section B. Reporting

1. General Reporting Requirements

(a) Noncompliance Notification

According to 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ. Report of such information must be provided orally or by electronic facsimile

transmission (FAX) to the TCEQ regional office within 24 hours of becoming aware of the noncompliance. A written report must be provided by the permittee to the appropriate TCEQ regional office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the noncompliance. The written report must contain:

(1) A description of the noncompliance and its cause;

(2) The potential danger to human health or safety, or the environment;

(3) The period of noncompliance, including exact dates and times;

(4) If the noncompliance has not been corrected, the anticipated time it is expected to continue; and

(5) Steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

(b) Other Information

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

2. Annual Report

The MS4 operator shall submit a concise annual report to the executive director within 90 days of the end of each reporting year. For the purpose of this section, the reporting year may include either the permit year, the permittee's fiscal year or the calendar year, as elected by the small MS4 and notified to the TCEQ in the application submittal. The annual report must address the previous reporting year.

The first reporting year for annual reporting purposes shall begin on the permit effective date, and shall last for a period of one (1) year (the end of the "permit year"). Alternatively, if the permittee elects to report based on its fiscal year, the first reporting year will last until the end of the fiscal year following the end of the first permit year. If the permittee elects to report based on the calendar year, then the first reporting year will last until December 31, 2014.

Subsequent calendar years will begin at the beginning of the first reporting year (which will vary based on the previous paragraph) and last for one (1) year. The MS4 operator shall also make a copy of the annual report readily available for review by TCEQ personnel upon request. The report must include:

(a) The status of the compliance with permit conditions, an assessment of the appropriateness of the identified BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;

(b) A summary of the results of information collected and analyzed, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;

(c) If applicable, a summary of any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4s BMPs used to address the pollutant of concern;

(d) A summary of the stormwater activities the MS4 operator plans to undertake during the next reporting year;

(e) Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements;

(f) Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementations plans;

(g) Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);

(h) The number of construction activities where the small MS4 is the operator and authorized under the 7th optional MCM, including the total number of acres disturbed; and

(i) The number of construction activities that occurred within the jurisdictional area of the small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the 7th MCM.

An annual report must be prepared whether or not the NOI and SWMP have been approved by the TCEQ. If the permittee has either not implemented the SWMP or not begun to implement the SWMP because it has not received approval of the NOI and SWMP, then the annual report may include that information.

If permittees share a common SWMP, they shall contribute to and submit a single system-wide report. Each permittee shall sign and certify the annual report in accordance with 30 TAC § 305.128 (relating to Signatories to Reports).

The annual report must be submitted with the appropriate TCEQ reporting forms if available, or as otherwise approved by TCEQ.

The annual report must be submitted to the following address:

Texas Commission on Environmental Quality
Stormwater & Pretreatment Team; MC - 148
P.O. Box 13087
Austin, Texas 78711-3087

A copy of the annual report must also be submitted to the TCEQ Regional Office that serves the area of the regulated small MS4.

If available, electronic submission of annual reports is encouraged. The Federal Waste Reduction Act and the Government Paperwork Elimination Act encourages governmental agencies to use electronic submission. See the TCEQ website at, www.tceq.texas.gov for additional information and instructions.

Part V. Standard Permit Conditions

A. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the general permit and statutes under which it was issued, and is grounds for enforcement action, for terminating coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit.

B. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

C. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

D. Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee shall furnish to the executive director, upon request and within a reasonable timeframe, any information necessary for the executive director to determine whether cause exists for modifying, revoking, suspending, reissuing or terminating authorization under this general permit. Additionally, the permittee shall provide to the executive director, upon request, copies of all records that the permittee shall maintain as a condition of this general permit.

E. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the conditions of this permit and with the condition of the permittee's SWMP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed only when the operation is necessary to achieve compliance with the conditions of this permit.

F. Inspection and entry shall be allowed under the TWC Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 CFR §122.41(i). The statement in TWC § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

G. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under the TWC, Chapters 26, 27, and 28, and the Texas Health and Safety Code, Chapter 361 for violations including but not limited to the following:

   1. Negligently or knowingly violating CWA, §§ 301, 302, 303, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA, § 402; and

   2. Knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance.

H. All reports and other information requested by or submitted to the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

I. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

J. The permittee shall implement its SWMP on any new areas under its jurisdiction that are located in a UA or that are designated by the TCEQ. Implementation of the SWMP in these areas is required the greater of three (3) years from acquiring the new area, or five (5) years from the date of initial permit coverage.

Part VI. Authorization for Municipal Construction Activities – Applicable only if the 7th Optional MCM is selected

The MS4 operator may obtain authorization under TPDES CGP, TXR150000 to discharge stormwater runoff from each construction activity performed by the MS4 operator that results in a land disturbance of one (1) acre or more of land or less than one (1) acre of land, if the construction activity is part of a larger common plan of development or sale that would disturb one acre or more. Alternatively, the MS4 operator may develop the SWMP to include the optional seventh (7th) stormwater MCM listed in Part III.B.7 of this general permit if the eligibility requirements in Part VI.A. below are met. If an MS4 operator decides to utilize this MCM, then the MS4 operator must include this MCM in its SWMP submitted with the NOI or submit an NOC notifying the executive director of the addition of this MCM to its SWMP. The MS4 operator must identify the geographic area or boundary where the construction activities will be conducted under the provisions of this general permit. If the permittee meets the terms and requirements of this general permit, then discharges from these construction activities may be authorized under this general permit as long as they occur within the regulated geographic area of the small MS4. An MS4 operator may utilize this MCM over additional portions of their small MS4 if those areas are also in compliance with all MCMs listed in this general permit. Even if an MS4 operator has developed this optional seventh stormwater MCM, the MS4 operator may apply under TPDES CGP TXR150000 for authorization for particular municipal construction activities including those activities that occur during periods of low potential for erosion (for which no SWP3 must be developed).

Section A. Eligible Construction Sites

Discharges from construction activities within the regulated area where the MS4 operator meets the definition of construction site operator are eligible for authorization under this general permit. Discharges from construction activities outside of the regulated area, where the MS4 operator meets the definition of construction site operator, are only eligible for authorization under this general permit in those areas where the MS4 operator meets the requirements of Parts III.B.1. through III.B.6 of this general permit, related to MCMs.

Section B. Discharges Eligible for Authorization

1. Stormwater Associated with Construction Activity

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

2. Discharges of Stormwater Associated with Construction Support Activities

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

(a) The activity is located within a one-mile distance from the boundary of the permitted construction site and directly supports the construction activity;

(b) A SWP3 is developed according to the provisions of this general permit and includes appropriate controls and measures to control sediment and erosion and discharge of pollutants in stormwater runoff from the supporting construction activity site;

(c) The construction support activity either does not operate beyond the completion date of the construction activity or obtains separate TPDES authorization for discharges as required; and

(d) Discharge of stormwater from concrete production facilities must meet the requirements in Section E below

3. Non-Stormwater Discharges

The following non-stormwater discharges from construction sites authorized under this general permit are also eligible for authorization under this MCM:

(a) Discharges from emergency fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);

(b) Uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing reclaimed wastewater as a source water);

(c) Water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, or dust;

(d) Uncontaminated water used to control dust;

(e) Potable water sources including waterline flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);

(f) Uncontaminated air conditioning condensate; and

(g) Uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.

4. Other Permitted Discharges

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

Section C. Limitations on Permit Coverage

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

Section D. Stormwater Pollution Prevention Plan (SWP3) Requirements

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

1. Develop a SWP3 according to the provisions of this general permit that covers the entire site and begin implementation of that plan prior to commencing construction activities;
2. Post a signed copy of a TCEQ approved site notice in a location at the construction site where it is readily available for viewing prior to commencing construction activities and maintain the notice in that location until completion of the construction activity and final stabilization of the site;
3. Ensure the project specifications allow or provide that adequate BMPs may be developed and modified as necessary to meet the requirements of this general permit and the SWP3;
4. Ensure all contractors are aware of the SWP3 requirements, are aware that municipal personnel are responsible for the day-to-day operations of the SWP3, and who to contact concerning SWP3 requirements; and
5. Ensure that the SWP3 identifies the municipal personnel responsible for implementation of control measures described in the plan.

Section E. Stormwater Runoff from Concrete Batch Plants

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

1. Benchmark Sampling Requirements

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

Table 1. Benchmark Monitoring

Benchmark Parameters	Benchmark Value	Sampling Frequency	Sample Type
Oil and Grease	15 mg/L	1/quarter (*1)(*2)	Grab (*3)

Benchmark Parameters	Benchmark Value	Sampling Frequency	Sample Type
Total Suspended Solids	100 mg/L	1/quarter (*1)(*2)	Grab (*3)
pH	6.0-9.0 S.U.	1/quarter (*1)(*2)	Grab (*3)
Total Iron	1.3 mg/L	1/quarter (*1)(*2)	Grab (*3)

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

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

January through March
April through June
July through September
October through December

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

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

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

The operator's investigation must identify the following:

(1) Any additional potential sources of pollution, such as spills that might have occurred;

(2) Necessary revisions to good housekeeping measures that are part of the SWP3;

(3) Additional BMPs, including a schedule to install or implement the BMPs; and

(4) Other parts of the SWP3 that may require revisions in order to meet the goal of the benchmark values.

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

2. BMPs and SWP3 Requirements

Minimum Stormwater Pollution Prevention Plan (SWP3) Requirements - The following are required in addition to other SWP3 requirements listed in this section:

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

(1) Drainage – The site map must include the following information:

a. The location of all outfalls for stormwater discharges associated with concrete batch plants that are authorized under this permit;

b. A depiction of the drainage area and the direction of flow to the outfall(s);

c. Structural controls used within the drainage area(s);

d. The locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal of wastes listed in the TPDES Construction General Permit TXR150000; liquid storage tanks; material processing and storage areas; and loading and unloading areas; and

e. The locations of the following: any bag house or other dust control device(s); recycle or sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the treatment device); areas with significant materials; and areas where major spills or leaks have occurred.

(2) Inventory of Exposed Materials – A list of materials handled at the concrete batch plant that may be exposed to stormwater and that have a potential to affect the quality of stormwater discharges associated with concrete batch plants that are authorized under this general permit.

(3) Spills and Leaks - A list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to stormwater and that drain to

stormwater outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated.

(4) Sampling Data - A summary of existing stormwater discharge sampling data must be maintained, if available.

(b) Measures and Controls - The SWP3 must include a description of management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part VI.E.2.(a) of this permit, and a schedule for implementation of the measures and controls. This must include, at a minimum:

(1) Good Housekeeping - Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants.

a. Operators must prevent or minimize the discharge of spilled cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to stormwater.

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

b. Operators must prevent the exposure of fine granular solids, such as cement, to stormwater. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under covering.

(2) Spill Prevention and Response Procedures - Areas where potential spills that can contribute pollutants to stormwater runoff, and the drainage areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage requirements, and use of equipment. Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel.

(3) Inspections - Qualified facility personnel (for example, a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. The inspection frequency must be specified in the SWP3 based upon a consideration of the level of concrete production at the facility, but must be a minimum of once per month while the facility is in operation. The inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to stormwater at the site, including material handling areas, above ground storage tanks, hoppers or silos, dust collection or containment systems, truck wash down and equipment cleaning areas. Follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for inspection upon request.

(4) Employee Training - An employee training program must be developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for stormwater pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a

minimum, must consist of one training prior to the initiation of operation of the concrete batch plant.

(5) Record Keeping and Internal Reporting Procedures - A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges, must be included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWP3.

(6) Management of Runoff - The SWP3 shall contain a narrative consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, detention ponds, retention ponds, or reusing of runoff.

(c) Comprehensive Compliance Evaluation – At least once per year, one (1) or more qualified personnel (for example, a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation of the plant. The evaluation must include the following:

(1) Visual examination of all areas draining stormwater associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include but are not limited to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection or containment systems, and truck wash down and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit and with the permittee's SWP3. The operator shall conduct a visual inspection of equipment needed to implement the SWP3, such as spill response equipment.

(2) Based on the results of the evaluation, the following must be revised as appropriate within two (2) weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part VI.E.2(a), "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part VI.E.2.(b) "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes.

(3) The permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any incidence(s), and the report must be signed according to 30 TAC Section 305.128, relating to Signatories to Reports.

(4) The Comprehensive Compliance Evaluation may substitute for one of the required inspections delineated in Part VI.E.2.(b)(3) of this general permit.

3. Prohibition of Wastewater Discharges

Wastewater discharges associated with concrete production including wastewater disposal by land application are not authorized under this general permit. These wastewater

discharges must be authorized under an alternative TCEQ water quality permit or otherwise disposed of in an authorized manner. Discharges of concrete truck washout at construction sites may be authorized if conducted in accordance with the requirements of Part VI of this general permit.

4. Concrete Truck Wash Out Requirements

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

(a) Direct discharge of concrete truck wash out water to surface water in the state, including discharge to storm sewers, is prohibited by this general permit.

(b) Concrete truck wash out water shall be discharged to areas at the construction site where structural controls have been established to prevent direct discharge to surface waters or to areas that have a minimal slope that allow infiltration and filtering of wash out water to prevent direct discharge to surface waters. Structural controls may consist of temporary berms, temporary shallow pits, temporary storage tanks with slow rate release, or other reasonable measures to prevent runoff from the construction site.

(c) Wash out of concrete trucks during rainfall events shall be minimized. The direct discharge of concrete truck wash out water is prohibited at all times, and the operator shall insure that its BMPs are sufficient to prevent the discharge of concrete truck washout as the result of rain.

(d) The discharge of wash out water shall not cause or contribute to groundwater contamination.

(e) If a SWP3 is required to be implemented, the SWP3 shall include concrete wash out areas on the associated map.

Section F. Effective Date of Coverage

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

Section G. Deadlines for SWP3 Preparation and Compliance

The SWP3 must:

1. Be completed and initially implemented prior to commencing construction activities that result in soil disturbance;

2. Be updated as necessary to reflect the changing conditions of new contractors, new areas of responsibility, and changes in best management practices; and

3. Provide for compliance with the terms and conditions of this general permit.

Section H. Plan Review and Making Plans Available

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

Section I. Keeping Plans Current

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

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

Section J. Contents of SWP3

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

1. Site Description

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

(a) A description of the nature of the construction activity, potential pollutants and sources;

(b) A description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site;

(c) The number of acres of the entire construction site property and the total number of acres of the site where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas;

(d) Data describing the soil type or the quality of any discharge from the site;

(e) A map showing the general location of the site (e.g. a portion of a city or county map);

(f) A detailed site map indicating the following:

(1) Drainage patterns and approximate slopes anticipated after major grading activities;

(2) Areas where soil disturbance will occur;

(3) Locations of all major structural controls either planned or in place;

(4) Locations where temporary or permanent stabilization practices are expected to be used;

(5) Locations of construction support activities, including off-site activities that are authorized under the permittee's NOI, including material, waste, borrow, fill, or equipment storage areas;

(6) Surface waters (including wetlands) either at, adjacent, or in close proximity to the site;

(7) Locations where stormwater discharges from the site directly to a surface water body or a MS4; and

(8) Vehicle wash areas.

(g) The location and description of asphalt plants and concrete plants (if any) providing support to the construction site and that are also authorized under this general permit;

(h) The name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project; and

(i) A copy of Part VI of this TPDES general permit.

2. Structural and non-structural controls

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

(a) Erosion and Sediment Controls

(1) Erosion and sediment controls must be designed to retain sediment on-site to the maximum extent practicable with consideration for local topography and rainfall.

(2) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications. If periodic inspections or other information indicates a control has been used incorrectly, or that the control is performing inadequately, the operator must replace or modify the control.

(3) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50 per cent.

(4) If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects and, whenever feasible, prior to the next rain event.

(5) Controls must be developed to limit offsite transport of litter, construction debris, and construction materials by stormwater runoff.

3. Stabilization Practices

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

(a) Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation and other similar measures.

(b) The following records must be maintained and either attached to or referenced in the SWP3 and made readily available upon request to the parties in Part VI.H. of this general permit:

(1) The dates when major grading activities occur;

(2) The dates when construction activities temporarily or permanently cease on a portion of the site; and

(3) The dates when stabilization measures are initiated.

(c) Stabilization measures must be initiated immediately in portions of the site where construction activities have temporarily or permanently ceased, and will not resume for a period exceeding 14 calendar days, except as provided in (1) and (2) below.

(1) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.

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

4. Structural Control Practices

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

(a) Sites with a drainage area of ten (10) or more acres:

(1) A sediment basin is required, where feasible, for a common drainage location that serves an area with ten (10) or more acres disturbed at one time. A sedimentation basin may be temporary or permanent, but must provide sufficient storage to contain a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from off-site areas and flow from on-site areas that are either undisturbed or have already undergone final stabilization, if these flows are diverted around both the disturbed areas of the site and the sediment basin. Capacity calculations must be included in the SWP3.

(2) Where rainfall data is not available or a calculation cannot be performed the sedimentation basin must provide at least 3,600 cubic feet of storage per acre drained until the site reaches final stabilization.

(3) If a sedimentation basin is not feasible, then the permittee shall provide equivalent control measures until the site reaches final stabilization. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area, public safety, precipitation pattern, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater, and other similar considerations. The permittee shall document the reason that the sediment basins are not feasible, and shall utilize equivalent control measures, which may include a series of smaller sediment basins.

(4) Perimeter Controls – At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

(b) Controls for sites with drainage areas less than ten acres:

(1) Sediment traps and sediment basins may be used to control solids in stormwater runoff for drainage locations serving less than ten (10) acres. At a minimum, silt

fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions.

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

5. Permanent Stormwater Controls

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

6. Other Controls

(a) Off-site vehicle tracking of sediments and the generation of dust must be minimized.

(b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to reduce pollutants from these materials.

(c) The SWP3 must include a description of pollutant sources from areas other than construction (including stormwater discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

7. Effluent Limits

The federal Effluent Limitations Guidelines at 40 CFR Part 450.21(a) apply to all regulated construction activities under this 7th optional MCM, where the small MS4 is the operator.

8. Approved State and Local Plans

(a) The permittee shall ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or stormwater management site plans or site permits approved by federal, state, or local officials.

(b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or stormwater management site plans or site permits approved by state or local official for whom the permittee receives written notice.

9. Maintenance

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

storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

10. Inspections of Controls

(a) Personnel provided by the permittee must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, discharge locations, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Personnel conducting these inspections must be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWP3 for the site. Sediment and erosion control measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking. Inspections must be conducted at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

Where sites have been finally or temporarily stabilized or where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), inspections must be conducted at least once every month. In arid or semi-arid, or drought stricken areas, inspections must be conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater

As an alternative to the above-described inspection schedule of once every 14 calendar days and within 24 hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, then the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection. The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

(b) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part VI.J.10(a) above. Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part VI.J.10.(a) above. The conditions of the controls along each inspected 0.25 mile portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile portion to either the end of the next 0.25 mile inspected portion, or to the end of the project, whichever occurs first.

As an alternative to the above-described inspection schedule of once every 14 calendar days and within 24 hours of a storm event of 0.5 inches or greater, the SWP3 may be

developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection. The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season).

(c) In the event of flooding or other uncontrollable situations which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable.

(d) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable.

(e) A report summarizing the scope of the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

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

11. Pollution Prevention Measures

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

Section K. Additional Retention of Records

The permittee shall retain the following records for a minimum period of three (3) years from the date that final stabilization has been achieved on all portions of the site. Records include:

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

Appendix 5

Proposed Annual Report Outline

STORM WATER MANAGEMENT PROGRAM
ANNUAL REPORT OUTLINE

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Appendix 6

Program Schedule

Storm Water Management . ɔgram 5 Year Plan Schedule

BMP/Description	Contact	Activity	Completed
PEI-1, Storm Water Education to Students	Temple ISD (254)215-8473	May 18-24 (Public Works Week)	
PEI-2, Storm Water Website	Communications- Shannon Gowan (254)298-5602, Donald Scott (254)298-5262	October	
PEI-3, Storm Water Brochures	Integ, Doug St John (254)778-9148 dstjohn@integdoes.com	September	
PEI-4, Utility Bill Inserts	Utility Business Office - Heather Mikulas (254)298-5493	June	
PEI-5, Public Service Announcements	Communications-Shannon Gowan (254)298-5602	see PEI-1, PEI-6, PEI-7, ID-4, ID-6, ID-7	
PEI-6, Storm Drain Marking	Drainage - Donald Lohman (254)298-5802, Boy Scouts - MaryAnn & Phil Everett (254)721-0931	August	
PEI-7, Reforestation Programs	Parks & Leisure-Kevin Beavers (254)298-5690, Boy Scouts-MaryAnn & Phil Everett (254)721-0931	January	Saturday, January 18, 2014
PEI-8, Storm Water Stakeholders Committee	See List	September (Schedule a Month Before)	
ID-1, Storm Drain System Map	Mapping - Chris Peal (254)298-5665	April	
ID-2, Dry Weather Screening	Mapping - Chris Peal (254)298-5665, Drainage-Donald Lohman (254)298-5802	July	

Storm Water Management Program 5 Year Plan Schedule

BMP/Description	Contact	Activity	Completed
ID-3, Illicit Discharge Investigations	Code Enforcement-Deborah Reed (254)298-5670	June	
ID-4, Reduce Illegal Dumping	Code Enforcement-Deborah Reed (254)298-5670, Communications-Shannon Gowan (254)298-5602	Monthly Tracking (PSA-March)	
ID-5, Reduce Sanitary Sewer Overflows	Utility Services-Jennifer Jones (254)298-5800	Monthly Tracking	
ID-6, Household Hazardous Waste Disposal	Solid Waste-Lisa Sebek (254)298-5180, Communications-Shannon Gowan (254)298-5602	October	
ID-7, Used Oil Collection & Recycling	Fleet Services - Sam Weed (254)298-5654	Monthly Tracking (Web post & PSA-March)	
C-1, Erosion Control Site Plan Review	StormWater (254)298-5625	Routine as Received	
C-2, Construction Inspection	StormWater (254)298-5625	Routine (procedures & report form-February)	
C-3, Receipt and Consideration of Information from Public	StormWater (254)298-5625, Drainage (254)298-5802	April	
PC-1, Post Construction Ordinance	Engineering (254)298-5660, City Attorney Kayla Landeros (254)298-5672	Monthly Tracking	
PC-2, Long Term Operation & Maintenance of BMP's	Drainage (254)298-5802, Street (254)298-5653, Parks (254)298-5690	Monthly Tracking	
GH-1, Storm Water Pollution Prevention Training	StormWater Program (254)298-5625	April	
GH-2, BMP/SO Manual for City Facilities	StormWater Program (254)298-5625	June	

Storm Water Management . ogram 5 Year Plan Schedule

BMP/Description	Contact	Activity	Completed
GH-3, Landscape & Lawn Care	Parks & Leisure - Kevin Beavers (254)298-5414	April	
GH-4, Vehicle Maintenance	Fleet Services - Sam Weed (254)298-5654	Monthly Tracking	
GH-5, Roadway Cleaning	Street - Amy Hyink (254)298-5653	Monthly Tracking	
GH-6, Storm Drain System Cleaning	Street - Amy Hyink (254)298-5653	Monthly Tracking	
GH-7, Non-Storm Water Discharges / Dechlorination Equipment	Utility Services - Darryl Briscoe (254)298-5611	Routine Tracking	
GH-8, City-Owned Facilities	StormWater Program (254)298-5625	May	