

# Storm Water Management Program

## City of Grand Prairie, Texas

Dallas County Flood Control District #1

TPDES General Permit TXR040000: 2007 - 2012



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## **Acronyms**

BMP	Best Management Practice
CRP	Clean Rivers Program
CWA	Clean Water Act
DCFCD	Dallas County Flood Control District #1
EPA	Environmental Protection Agency
ESD	City of Grand Prairie Environmental Services Department
GIS	Geographic Information Systems
HHW	Household Hazardous Waste
KGPB	Keep Grand Prairie Beautiful
MEP	Maximum Extent Practicable
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
NCTCOG	North Central Texas Council of Governments
NPDES	National Pollutant Discharge Elimination System
P2	Pollution Prevention
SIC	Standard Industrial Classification
SSO	Sanitary Sewer Overflow
SWMP	Storm Water Management Program
SWPP	Storm Water Pollution Prevention
SWP3	Storm Water Pollution Prevention Plan
SWQM	Surface Water Quality Monitoring
TCEQ	Texas Commission on Environmental Quality
TPDES	Texas Pollutant Discharge Elimination System

## Definitions

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

*Control Measure* – any best management practice or other method used to prevent or reduce the discharge of pollutants.

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

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

*Illicit Discharge* – any discharge to a municipal separate storm sewer that is not composed entirely of storm water except discharges pursuant to a National Pollutant Discharge Elimination System permit (other than the municipal separate storm sewer).

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

*National Pollutant Discharge Elimination System* – National program for issuing, modifying, revoking and reissuing, terminating, imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of CWA.

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

*Permitting Authority* – for the purposes of this general permit, the TCEQ.

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

*Storm Water* – storm water runoff, snow melt runoff, and surface runoff and drainage.

*Watershed* – The region draining into a river, river system, or other body of water.

*Waters of the United States* – 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 interstate 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 seas; and
- (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

# **Introduction**

## **Regulatory Requirement**

The Clean Water Act (CWA) is a law enacted by Congress and signed by the President that establishes environmental programs, including the National Pollutant Discharge Elimination System (NPDES) program, to protect the Nation's waters and directs the U.S. Environmental Protection Agency (EPA) to issue rules on how to implement this law. Under the NPDES program, a municipal storm water program was developed in two phases.

Phase I of the EPA municipal storm water program was promulgated in 1990 under the authority of the Clean Water Act (CWA). Phase I relied on the NPDES permit coverage to address storm water runoff from medium and large municipal separate storm sewer systems (MS4s), serving populations of 100,000 and greater.

On September 14, 1998, the Texas Commission on Environmental Quality (TCEQ) received authority to administer the NPDES permit program in Texas for those discharges under the regulatory authority of the agency. This program has been named the Texas Pollutant Discharge Elimination Program (TPDES). Under a memorandum of agreement between the two agencies, the TCEQ agreed to adopt any new rules or permits to comply with Phase II storm water regulations by the deadlines mandated in federal rules.

The Storm Water Phase II rule, promulgated December 8, 1999, was the next step in the EPA's efforts to preserve, protect, and improve the nation's water resources from polluted storm water runoff. The Phase II program requires small MS4s (serving populations <100,000 based on the 1990 census) in urbanized areas to implement programs and practices to control polluted storm water runoff through the TPDES permit program. This program includes the City of Grand Prairie and the Dallas County Flood Control District #1 (DCFCD). As a result, the City is required to:

- reduce the discharge of pollutants to the maximum extent practicable (MEP);
- protect water quality;
- satisfy the appropriate water quality requirements of the Clean Water Act; and
- manage storm water quality activities through the Storm Water Management Program (SWMP).

## **Storm Water Management Program**

On August 13, 2007 the TCEQ issued the MS4 TPDES General Permit TXR040000 authorizing storm water and certain non-storm water discharges to the City's MS4. Small MS4s that meet the regulated criteria for Phase II of the TPDES Storm Water Program were required to submit a Notice of Intent (NOI) and Storm Water Management Program (SWMP) within 180 days of the permit issuance. By submitting a SWMP and NOI to comply with the TPDES Phase II regulations, the City of Grand Prairie and DCFCD acknowledge the regulatory authority of the TCEQ and agrees to comply with TPDES TXR040000 permitting requirements to discharge directly into surface waters. This permit and authorization shall expire five years after the date of issuance. An annual report documenting compliance with the SWMP will be

submitted within 90 days of the end of each permit year (August 13, 2007 anniversary date) or by November 13. The annual report will address the previous permit year.

The City of Grand Prairie and DCFCD developed the SWMP in accordance with the requirements of the TPDES General Permit TXR040000. The SWMP will facilitate the City's and DCFCD's efforts in reducing storm water pollutants from the City's MS4, thereby protecting the City's storm water quality to the maximum extent practicable (MEP). Included in the SWMP are specific best management practices (BMPs) that will be implemented to reduce pollutants, measurable goals for each BMP, and an implementation schedule developed for the five-year permit term. Various BMPs were developed for each of the six minimum control measures (MCMs) that are required by the Phase II Rule. These six MCMs are:

- Public Education and Outreach on Storm Water Impacts;
- Public Participation and Involvement;
- Illicit Discharge Detection and Elimination;
- Construction Site Runoff Control;
- Post-Construction Runoff Control; and
- Pollution Prevention and Good Housekeeping.

## **Program Overview**

### **Background Information for the City of Grand Prairie**

The City of Grand Prairie is situated between the major cities of Dallas and Fort Worth. Incorporated as the City of Grand Prairie in 1909, the community was first recognized as Dechman in 1863. The community covers 81 square miles of area and had a population estimated at 153,812 in 2006.

There are approximately 170 stream miles in Grand Prairie draining to three major water bodies: the West Fork of the Trinity River, Joe Pool Lake, and Mountain Creek Lake. The West Fork of the Trinity River runs across the city from west to east on the northern part of town, dominating drainage patterns to the Trinity River. The majority of creeks run northeast on the south side of the Trinity River and southeast on the north side of the Trinity River. Major creeks that drain directly to the Trinity River within city limits are Dalworth Creek, Johnson Creek, and Bear Creek. Major creeks draining to Joe Pool Lake and Mountain Creek Lake are Mountain Creek, Fish Creek, and Cottonwood Creek.

Joe Pool Lake is the focus of recreation in southern Grand Prairie. Much of the development and community activities focus on the recreational aspects of Joe Pool Lake. This lake was impounded in 1986 and has two forks created by Mountain Creek and Walnut Creek. The shorelines of the western main body, the entire Walnut Creek branch, as well as the western shoreline of the Mountain Creek branch are within city limits.

Mountain Creek Lake, impounded in 1937, is on the east side of the city. The drainage is dominated by Mountain Creek, after the Joe Pool Lake dam. The lake is within Dallas city limits; however, some tributaries originate in Grand Prairie, including Fish Creek and Cottonwood Creek. A fishing ban was issued for this lake in 1996 by the Texas Department of State Health Services for poly-chlorinated biphenyls, a group of dangerously harmful organic compounds once widely used in industrial activities.

### **Historical City Storm Water Management**

The Engineering Division of the Planning and Development Department oversees and inspects the infrastructure construction of new development and redevelopment. The Engineering Division ensures the effectiveness of erosion control measures during development and redevelopment through permitting. The Engineering Division also encourages the preservation of natural channels and requires drainage easements and control measures in the 100-year floodplain.

The Environmental Services Department was created and developed to support and protect public health and promote environmental quality. The Environmental Quality Division was created in 1984 to support the pretreatment program and address other water quality issues primarily through an inspection program, monitoring, and citizen involvement. Problematic areas pertaining to storm water have been identified and addressed in the past through the storm water

program. Some of these issues have included salvage yards, sanitary sewer overflows, household hazardous waste disposal, and hazardous material spills. These issues have been addressed through enforcement when necessary.

A stream monitoring program began in 1986 as the interest in the condition of the waters within city limits increased. The City currently samples at 22 sites in and near city limits once a month. The monitoring includes water quality indicators such as temperature, clarity, and chemistry. Quarterly and annually, the water is tested for potentially harmful chemicals such as nutrients and pesticides. This information has been used to identify sources of pollution and reduce illicit discharges. To identify problematic water quality issues and potential illicit discharges, the City has also taken advantage of sampling done by the Trinity River Authority in Joe Pool Lake.

## **Management Program Development Process**

The unique hydrology and water quality concerns of the City of Grand Prairie have been considered in developing this Storm Water Management Program. In preparing the Program, the City of Grand Prairie's Environmental Quality Division has conducted meetings with a multitude of city personnel to discuss the different activities that may have storm water impacts. Some of the functions that have been identified as having a potential impact have included streets services, equipment maintenance services, landfill, airport, code enforcement, police, fire, parks and recreation, engineering, and building inspections. In addition, the Planning and Development Department utilized the consulting firm Alan Plummer and Associates, Inc. to help in the preparation of the Program regarding construction and post-construction.

The Program describes a number of BMPs that address storm water issues identified as most prevalent or problematic in the watersheds served by the MS4. The BMPs meet a number of objectives created by the aforementioned departments. These objectives, organized by minimum control measure, are to:

### **Public Education:**

- Inform residents, visitors, public service employees, businesses, commercial and industrial facilities, and construction site personnel of steps they can take to improve storm water quality and explain the impacts of non-point source pollution to storm water.
- Educate commercial, industrial, and institutional groups about the impacts of their work on the storm water quality and the steps needed to reduce these effects.
- Address the viewpoints of various economic and cultural groups in the design of the education program.

### **Public Involvement:**

- Comply with any State and local public notice requirements when implementing a public involvement/participation program.
- Include the public in the development, implementation, and review of the storm water management program.
- Include input from different economic and cultural groups.

#### Illicit Discharge Detection and Elimination:

- Develop a comprehensive map of the storm sewer system.
- Develop a program for the detection and tracking of illicit discharges.
- Develop an ordinance that will effectively eliminate illicit discharges.

#### Construction:

- Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites.
- Have procedures for site plan review of construction plans that consider potential water quality impacts.
- Have procedures for site inspection and enforcement of control measures.
- Have sanctions to ensure compliance (established in the ordinance or other regulatory mechanisms).
- Establish procedures for the receipt and consideration of information submitted by the public.

#### Post-Construction:

- Develop and implement strategies which include a combination of structural and/or non-structural BMPs.
- Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal, or local laws.
- Ensure adequate long-term operation and maintenance of controls.

#### Pollution Prevention/Good Housekeeping for Municipal Operations:

- Review maintenance activities.
- Review maintenance schedules.
- Long-term inspection procedures for structural and non-structural storm water controls to reduce floatables and other pollutants discharged from the separate storm sewer.
- Controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations, disposal areas, and waste transfer stations.
- Procedures for properly disposing waste removed from the separate storm sewers and areas listed above (such as accumulated sediments, floatables, and other debris).

### **Public Review of the Storm Water Management Program**

In accordance with the General Permit TXR040000, Part II, Section D, Number 12, the SWMP will be available for review at the Grand Prairie Memorial Library Repository, located at 901 Conover Drive, Grand Prairie, Texas 75051, and is also available on the City website at <http://www.gptx.org/EnvironmentalServices/documents/StormWaterManagementPlan.pdf>. Opportunity to comment is available on the website by return address to [erexroad@gptx.org](mailto:erexroad@gptx.org).

## **Permitting Options**

The City of Grand Prairie and Dallas County Flood Control District #1 (DCFCD) are jointly submitting this Storm Water Management Program as described in an interlocal agreement approved by the aforementioned entities on February 5, 2008. According to Part III of the General Permit, a permittee may enter into interlocal agreements with municipalities where the small MS4 is located in order to meet the goals of the permit if the permittee does not have enforcement authority and is unable to meet the goals of the general permit through its own powers. Approximately 20% of the DCFCD is located within the City of Grand Prairie boundaries; however, the DCFCD does not have enforcement capabilities. As a result, the City of Grand Prairie and DCFCD have agreed to the joint submission of this SWMP where the DCFCD is solely responsible for only two (2) BMPs (BMP 6.10 and 6.11). The City of Grand Prairie is entirely responsible for all other BMPs described in this SWMP. On October 1<sup>st</sup> following the end of each permit year, the DCFCD will provide detailed information to the City of Grand Prairie on activities that occur within the DCFCD and City of Grand Prairie boundaries so that the City of Grand Prairie may complete its annual report for the TCEQ.

## **Recordkeeping and Tracking**

In accordance with the General Permit TXR040000, Part IV, Section A, the City of Grand Prairie will retain all records, a copy of the TPDES General Permit, and records of all data used to complete the application for the General Permit and make this information available to the public if requested to do so in writing.

The City of Grand Prairie will track all BMP activities, results, and changes to the SWMP through an annual report that will be submitted to the TCEQ by November for each year of the permit term. To keep the City of Grand Prairie in compliance with the General Permit conditions, the annual report will include all factors required by the General Permit, including the status of the compliance with permit conditions, assessments of BMPs, and any changes to the SWMP.

## MCM 1. Public Education and Outreach

**40 CFR 122.34 (b)(1)(i) – Implement a public education program to distribute educational materials to the community of contact, equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps the public can take to reduce pollutants in storm water runoff.**

### Selected BMPs for Public Education and Outreach

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>1.1 Environmental Education Specialist</b>  See August 13, 2008 Addendum	Employ an Environmental Education Specialist who supports the education initiative of this SWMP.	1. Employ an Environmental Education Specialist who will actively seek to broaden educational opportunities within the school district and the city	Environmental Services Department	Years 2 – 5
		2. Conduct 2 storm water outreach activities annually		
<b>1.2 Clean Rivers Program</b>	Stream monitoring information is made available for review on the Clean Rivers Program (CRP) website. Access to this site will be provided through the city's website.	1. Provide a link to the Clean Rivers Program's website on the city's website	Environmental Services Department, Environmental Quality Division	Years 2 – 5
<b>1.3 Lawn and Garden Education for Homeowners</b>	Efforts will be made to encourage lawn and garden low maintenance concept into existing education programs throughout the city through the purchase and distribution of educational materials and other promotions. Low maintenance garden concepts will be created on city properties.	1. Provide information about native and adaptive plants on the city website and by distributing educational materials at 2 venues located throughout the city	Environmental Services Department, Environmental Quality Division	Years 1 – 5

		2. Maintenance of Texas SmartScape™ Demonstration Garden at the Prairie Paws Adoption Center		Years 1 – 5
<b>1.4 Household Hazardous Waste (HHW) Program</b>	Reduction of household hazardous waste dumping will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	1. Continue pamphlet and/or wheel distribution at 3 venues located throughout the city	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Discuss hazards of household hazardous waste at least 1 time per year in the city newsletter		Years 1 – 5
		3. Handout HHW magnets to at least 100 citizens per year		Years 1 – 5
<b>1.5 Don't Bag It! Program</b>	Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers.	1. Distribute public education materials about the program at 3 venues located throughout the city	Environmental Services Department, Solid Waste Division	Years 1 – 5
		2. Provide information about the program in the water bill insert to 80% of the city's water customers		Years 1 – 5
<b>1.6 Pet Waste Management Education</b>	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach. (The pet waste dispensers also satisfy minimum control measure for public involvement).	1. Purchase 500 shovels for distribution	Environmental Services Department, Environmental Quality Division and Animal Services Division	Year 1

		2. Create cooperative “Doo the Right Thing” video by the end of Year 1; make video available on the city website and play on cable television annually		Years 1 – 5
		3. Annually distribute a minimum of 200 informative brochures at the Development Center		Years 1 – 5
		4. Annually distribute at least 200 informative brochures to customers adopting pets at the Prairie Paws Adoption Center and display poster in the Environmental Services Department office		Years 1 – 5
		5. Install 2 pet waste collection dispensers at any future pet park to promote proper owner disposal of pet waste		Year 4
<b>1.7 H<sub>2</sub>O Line</b>	Produce and distribute a newsletter to selected industrial sectors and automotive related businesses featuring storm water topics.	1. Produce and distribute a quarterly newsletter promoting pollution prevention awareness to at least 200 businesses	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Distribute to at least 50% of businesses during industrial inspections		Years 1 – 5

<b>1.8 Environmental Compliance Workshops</b>	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and the potential sources of storm water pollution.	1. Encourage P2 measures through semi-annual environmental compliance workshops	Environmental Services Department, Environmental Quality Division	Years 1 – 5
<b>1.9 Commercial and Industrial Activity Education on the Impacts of Floatables</b>	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections. (Refer to BMP 3.11).	1. Find or create informative handouts about litter associated with commercial and industrial activity to distribute	Environmental Services Department, Environmental Quality Division	Year 2
		2. Distribute informative brochures to 60% of the food permit holders inspected each calendar year; make both English and Spanish versions available		Years 2 – 5
		3. Make available on the city website		Years 2 – 5
<b>1.10 Informational Material for Automotive Related Businesses</b>	Awareness of the impact of the automotive sector’s pollutants on water quality will be integrated into existing activities by distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	1. Distribute automotive and storm water quality informative material during Certificate of Occupancy inspections	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Make auto related business BMPs available on the city website		Years 2 – 5
<b>1.11 Funding for Elementary School Curriculum on Storm Water Quality</b>	Education on storm water quality and pollution prevention will be provided to elementary schools in Grand Prairie ISD through the purchase of curriculum.	1. Purchase Major Rivers© or similar curriculum as needed for additional fifth grade Grand Prairie ISD	Environmental Services Department, Environmental Quality Division	Years 2 – 5

		classrooms		
<b>1.12 Interactive Watershed Model Display on Storm Water Quality</b>	Demonstrate to multiple age groups the effects of various residential and commercial pollutants on storm water quality.	1. Review the kit's contents after each use and purchase any replacement parts or updates if necessary	Environmental Services Department, Environmental Quality Division	Year 1
		2. Annually display an interactive watershed model or similar display during the child related water quality education events		Years 1 – 5
<b>1.13 Utility Bill Insert</b>	Raise awareness of storm water issues for citizens by placing articles in the water utility bill insert.	1. Annually distribute information about storm water issues in the water utility bill insert to 80% of the city's customers	Environmental Services Department, Environmental Quality Division	Years 1 – 5
<b>1.14 Stream and Watershed Name Road Signs</b>	Raise awareness of local watersheds for citizens and visitors. Develop ownership of the watersheds.	1. Develop road sign design and obtain approval	Environmental Services Department, Environmental Quality Division; Public Works Department, Streets Division	Year 2
		2. Select at least 5 sites within city limits the signs will be posted	Environmental Services Department, Environmental Quality Division	Year 3
		3. Install road signs at the 5 streams selected	Public Works Department, Streets Division	Years 4 – 5
<b>1.15 Multimedia Storm Water Public Education</b>	Promote watershed awareness for both citizens and visitors using multiple types of media, including a website and the city's cable channel.	1. Have storm water quality educational program on GPTV at least once per year	Environmental Services Department, Environmental Quality	Years 1 – 5

			Division	
		2. Develop information for city website and post		Year 2
		3. Provide and maintain Storm Water Pollution Prevention information on the city's website		Years 3 – 5
<b>1.16 Tailor Outreach Programs to non-English languages</b>	Evaluate and translate all educational materials created during the permit to Spanish.	1. Evaluate 80% of educational materials that can be translated	Environmental Services Department, Environmental Quality Division	Year 1
		2. Translate 25% of materials that have been evaluated as being available in Spanish		Year 3
		3. Begin purchasing and distributing brochures		Year 4
<b>1.17 Auto Watch</b>	Create and distribute a water quality and code enforcement publication featuring environmental issues specific to automotive related businesses.	1. Continue to create and distribute publication to at least 300 businesses annually	Environmental Services Department, Environmental Quality Division, Code Enforcement Division	Years 1 – 5
<b>1.18 Keep Grand Prairie Beautiful Education Programs</b>	Conduct KGPB programs that promote environmental education, including storm water and pollution prevention awareness.	1. Conduct or host at least 3 KGPB education programs annually	City Manager's Office, Keep Grand Prairie Beautiful Program	Years 1 – 5

<b>1.19 Educational Material for Construction Site Personnel</b>	Create or find educational materials on BMPs and erosion control for construction site personnel.	1. Create or find brochure and/or link on construction BMPs and erosion control requirements	Environmental Services Department, Environmental Quality Division	Year 2
		2. Distribute at least 200 brochures a year at the Development Center and/or provide a link to the educational material on the city's website	Planning and Development Department and Environmental Services Department	Years 2– 5
<b>1.20 Storm Water Education for Visitors</b>	Provide educational materials featuring water quality issues for Grand Prairie visitors.	1. Provide information about storm water issues on the city website and at Grand Prairie's visitors center	Environmental Services Department, Environmental Quality Division	Year 2
<b>1.21 Take Care of Texas Brochure</b>	Distribute brochures that describe what residents may do to protect the environment.	1. Distribute at least 200 Take Care of Texas brochures	Environmental Services Department, Environmental Quality Division	Year 1

## MCM 2. Public Involvement and Participation

**40 CFR 122.34 (b) (2) -At a minimum, comply with state, tribal, and local public notice requirements when implementing a public involvement/participation program. EPA recommends that the public be included in developing, implementing, and reviewing your storm water management program and that the public participation process should make efforts to reach out and engage all economic and ethnic groups.**

### Selected BMPs for Public Involvement/Public Participation

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>2.1 Public Notice in Development of SWMP</b>	Comply with federal, state, and local public notice requirements when implementing the SWMP.	1. Continue to make the document available for comments on the city website and at the Environmental Services Department office	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Make presentations to applicable city council committees		Year 1
<b>2.2 Texas Stream Team Volunteer Stream Monitoring Program</b>	Involve volunteers in the stream monitoring process through Texas Stream Team.	1. Hold at least 1 Texas Stream Team training session for volunteers or corporations annually	Environmental Services Department, Environmental Quality Division	Years 2 – 5
<b>2.3 Master Composter Program</b>	Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants attend three days of hands-on training and can become a Certified Master Composter.	1. Conduct 2 Master Composter classes per year	Environmental Services Department, Solid Waste Division	Year 1

		2. Distribute yard care educational materials to at least 20 Master Composter participants annually		Years 1 – 5
<b>2.4 Storm Drain Markers</b>	Install storm drain markers “Protect Our Water, Don’t Dump” to promote awareness of the storm drain system.	1. Purchase and have installed through volunteer help 100 of the city’s unmarked storm drain curb inlets annually	Environmental Services Department, Environmental Quality Division	Years 2 – 5
<b>2.5 Public Education Event</b>	Hold an interactive educational event that promotes storm water BMPs and awareness of the Trinity River watershed.	1. Annually hold a public education event that focuses on education through involvement and promotional giveaways	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Collect and use at least 20 participant surveys for evaluation of the event		Years 1 – 5
<b>2.6 Storm Water Ordinance</b>	Involve the public in the development of a Storm Water Ordinance (refer to BMP 3.9). Public comment will be incorporated in the finalization of the ordinance.	1. Hold at least 1 public hearing on the storm water ordinance; additional hearings will be held provided there is significant public interest	Environmental Services Department, Environmental Quality Division	Year 2
<b>2.7 Illegal Dumping Hotline</b>	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline.	1. Continue to make the Illegal Dumping Hotline available on the city’s website	Planning and Development Department, Code Enforcement Division	Years 1 – 5

		2. Add link to Environmental Services storm water webpage promoting Illegal Dumping Hotline	Environmental Services Department, Environmental Quality Division	Years 2 – 5
<b>2.8 Stakeholder Meetings</b>	Keep citizens and other stakeholders involved in the decision process for managing the Storm Water Management Program.	1. Hold one stakeholder meeting per year	Environmental Services Department, Environmental Quality Division	Years 1 – 5
<b>2.9 Keep Grand Prairie Beautiful Programs</b>	Encourage participation in Keep Grand Prairie Beautiful programs, such as Adopt-a-Street, Adopt-a-Stream, Adopt-A-Wetland, Youth Environmental Action (YEA!), and the Great American Cleanup.	1. Host at least 5 events per year to encourage community participation	City Manager’s Office, Keep Grand Prairie Beautiful Program	Years 1 – 5
<b>2.10 Neighborhood Outreach Program</b>	Program encourages the involvement of neighborhood associations for the purpose of educating them about various concerns, including storm water related issues, and providing opportunities to participate in various neighborhood-specific projects that can impact water quality (ex. Clean and Beautiful Neighborhoods Program). (Also satisfies MCM 1).	1. Annually coordinate neighborhood projects, such as stream/wetland cleanups, tree planting projects and awareness events	City Manager’s Office, Keep Grand Prairie Beautiful Program	Years 1 – 5
<b>2.11 School Outreach Programs</b>	Partnership between the City’s Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation, fosters the development of campus clubs, and provides opportunities for involvement and education.	1. Annually facilitate at least 10 activities for the campus programs	City Manager’s Office, Keep Grand Prairie Beautiful Program	Years 1 – 5
<b>2.12 Corporate Involvement Program</b>	Partnership between the City and the Grand Prairie Chamber of Commerce that encourages company involvement in litter prevention and cleanup programs, as well as serve as a vehicle to educate companies about	1. Annually hold at least 1 meeting to recruit new companies	City Manager’s Office, Keep Grand Prairie Beautiful Program	Years 1 – 5

	storm water related issues.	2. Facilitate annual Cleanup Company meetings or activities for companies involved		Years 1 – 5
<b>2.13 Poster and Picture Contest</b>	Host a poster and picture contest for GPISD students to encourage environmental stewardship and education.	1. Host a poster and picture contest for GPISD students	Environmental Services Department, Environmental Quality Division	Year 1
<b>2.14 Request for Drainage and Design Comments</b>	Request comments from environmental consultant on revisions to drainage and design manual.	1. Request and receive comments on revisions to drainage and design manual	Planning and Development Department	Years 2 – 5
<b>2.15 Household Hazardous Waste (HHW) Collection Events</b>	Encourage citizens to dispose of HHW properly by participating in city hosted events	1. Maintain contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental collection center	Environmental Services Department, Environmental Quality Division	Years 1– 5
		2. Annually hold at least 1 HHW collection event in Grand Prairie		Years 1– 5
<b>2.16 Annual Environmental Compliance Achievement Awards</b>	Encourage industrial facilities to obtain industrial permit as required by the SIC code.	1. Annually recognize facilities who achieve 100% compliance	Environmental Services Department, Environmental Quality Division	Years 1– 5
<b>2.17 Auto Related Business (ARB) and Industrial Facility Mailing List</b>	Maintain mailing list of ARB and industrial facilities and mail out informative material.	1. Annually mail information regarding storm water BMPs	Environmental Services Department, Environmental Quality Division	Years 1– 5

<b>2.18 Rain Barrel Class</b>	Conduct a class that instructs citizens on how to make a rain barrel that will collect and recycle rainwater.	1. Conduct one Rain Barrel class	Environmental Services Department, Solid Waste Division	Year 1
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### MCM 3. Illicit Discharge Detection and Elimination

**40 CFR 122.34 (b) (3) -Develop, implement, and enforce a program to detect and eliminate illicit discharges into your small MS4. Develop a storm sewer system map, showing the location of all outfalls and the names and locations of all water of the U.S. that receive discharges from those outfalls. To the extent allowable under state, tribal or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions. Develop and implement a plan to detect and address non-storm water discharges including illegal dumping to your system. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. Address categories listed in 122.34(b) (3) (D) (iii) if you determine they are significant contributors of pollutants to MS4.**

#### Selected BMPs for Illicit Discharge Detection and Elimination

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>3.1 Create a GIS Database of the MS4</b>	Create an updated map of the locations of all outfalls and the names of all receiving US Waters, and provide the source(s) of information used to develop and update the map.	1. Review of the current drainage system map and addition of new growth once per year	Environmental Services Department, Environmental Quality Division and Information Technology Department, GIS Division	Year 1 – 5
		2. Field verify 20% per year of all city stream miles for storm drain outfall locations		Years 1 – 5
<b>3.2 Complaint Database</b>	A database is kept of all citizen complaints regarding illicit discharges.	1. Maintain the complaint database	Environmental Services Department	Years 1 – 5
<b>3.3 Complaint Response</b>	All citizen complaints are to be investigated.	1. Maintain a response of 80% within 5 days	Environmental Services Department	Years 1 – 5

<b>3.4 Spill Response</b>	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	1. Continue response and training	Environmental Services Department	Years 1 – 5
<b>3.5 Building Project Review Process</b>	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	1. Continue to review at least 80% of new construction plans for water quality hazards	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Continue to inspect at least 80% of Certificates of Occupancy that have a potential to impact storm water		
<b>3.6 Clean Rivers Program</b>	Participate in CRP by conducting monthly stream monitoring of 10 sites within or near the city limits. Atypical results have been investigated for illicit discharge.	1. Participate in CRP and monitor and investigate for atypical results monthly	Environmental Services Department, Environmental Quality Division	Years 1 – 5
<b>3.7 Sanitary Sewer Overflow Response Plan</b>	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	1. Maintain the plan for Water Utilities and Environmental Services to respond all to SSOs	Environmental Services Department, Public Works Department, Water Utilities Division	Years 2 – 5
<b>3.8 Illicit Discharge Awareness Campaign for City Employees, Businesses, and General Public</b>	Utilize training developed by NCTCOG for informing public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. (This BMP also addresses the minimum control measure for public education.)	1. Acquire and format NCTCOG Storm Water training materials and determine an effective means of distribution	Environmental Services Department, Environmental Quality Division	Year 2
		2. Distribute materials to city employees and 33% of potential polluting businesses and general public annually		Years 3 – 5

<b>3.9 Storm Water Ordinance</b>	Develop a storm water ordinance to effectively prohibit non-storm water discharges into the storm sewer system and implement enforcement procedures and actions. (Refer to BMP 2.6) Include a description of local controls and conditions established for common and incidental non-storm water discharges not considered illicit.	1. Develop a draft ordinance	Environmental Services Department, Environmental Quality Division	Year 1
		2. Finalize ordinance		Year 2
		3. Implement ordinance		Years 3 – 5
<b>3.10 Storm Water Industrial Inspection Program</b>	Require that facilities comply with any NPDES or TPDES storm water permit applicable under the SIC code.	1. Continue to provide 75% of industries the applications for coverage, when applicable	Environmental Services Department, Environmental Quality Division	Years 1 – 2
		2. Enforce failure to apply for or obtain permit coverage		Years 3 – 5
		3. Perform inspections once every 3 years		Years 3 – 5
<b>3.11 Illicit Detection of Commercial and Industrial Floatables</b>	Promote the elimination of floatables from commercial and industrial facilities through inspection activities. (Refer to BMP 1.9).	1. Add floatables and litter control to the health compliance checklist	Environmental Services Department, Environmental Quality Division	Year 2
		2. Enforce efforts to remove floatables through issuance of Notice of Violations and citations for non-compliance		Years 2 – 5
<b>3.12 Litter Collection Program</b>	Keeping the major through fares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	1. Remove litter from major through fares weekly	Environmental Services Department, Solid Waste Division	Years 1 – 5

<b>3.13 Illegal Dumping Clean-Up</b>	Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The city investigates all illegal dumping and ensures the removal of debris.	1. Continue efforts to remove all illegally dumped debris at least 30 days from the day the violation was reported	Planning and Development Department, Code Enforcement Division	Years 1 – 5
<b>3.14 Source Assessment for Floatables</b>	A study of contributing sources of floatables will be used in source abatement. This might include an assessment of materials from clean-ups, an assessment of illegal dumps, or other similar studies.	1. Develop a plan	Environmental Services, Environmental Quality Division	Year 2
		2. Conduct an assessment of floatables		Years 3
		3. Compile assessment results and analyze data		Year 4
		4. Use assessment in re-focus of education efforts and enforcement efforts		Year 5
<b>3.15 Illicit Discharge Detection and Elimination</b>	Develop a program to detect and address non-storm water discharges, including illegal dumping, into the storm sewer system. Standard operating procedures will be developed for the detection of and elimination of illicit discharges.	1. Identify additional program requirements and resource/ training needs	Environmental Services Department, Environmental Quality Division	Year 2
		2. Create a project plan and an assessment, enforcement, and elimination process and acquire needed resources		Year 3
		3. Conduct dry weather screening of 20% of city's outfalls per year		Year 1 – 5
<b>3.16 Joe Pool Lake Reservoir Surface Water Sampling</b>	Sample the inlets of the reservoir that are influenced by the city's MS4 to determine the water quality of the MS4 at this sensitive water supply system.	1. Determine at least 3 sampling points	Environmental Services Department, Environmental Quality Division	Year 2

		2. Acquire needed supplies for sampling		Year 3
		3. Monitor selected inlets annually		Years 4 – 5
<b>3.17 Beach Sampling Program</b>	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public’s exposure to diseases in the water.	1. Follow an SOP for beach sampling once a month during the summer or swimming months	Environmental Services Department, Environmental Quality Division	Years 1 – 5
<b>3.18 Rapid Bioassessment Program</b>	Better understand water quality impacts by comparing habitat and biological conditions with existing physical water quality data.	1. Develop a rapid bioassessment plan	Environmental Services Department, Environmental Quality Division	Year 3
		2. Acquire necessary training and supplies		Year 4
		3. Begin rapid bioassessment program; monitor 3 sites annually		Year 5
<b>3.19 On Site Sewage System Permitting</b>	On site sewage systems are regulated through an ordinance and permitted by the city. Failing septic systems are identified and abated.	1. Maintain the permitting of sewage systems	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary		Years 1 – 5
<b>3.20 Mobile Vehicle Wash Business Policy</b>	The City’s policy on mobile vehicle wash business will be revised to better discourage illicit discharges.	1. Revise and approve the policy	Environmental Services Department, Environmental Quality Division	Year 2

<b>3.21 Auto Inspection Program</b>	Develop inspection program for auto-related businesses.	1. Develop program and ordinance	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Inspect at least 75% of auto-related businesses annually		
<b>3.22 Sampling Manual</b>	A manual will be created that will define and standardize all storm water sampling and monitoring procedures.	1. Create sampling manual and provide a copy to at least 80% of Environmental Quality Division Staff and technicians	Environmental Services Department, Environmental Quality Division	Year 1

## MCM 4. Construction Site Storm Water Runoff Control

**40 CFR 122.34 (b) (4) - Develop, implement, and enforce a program to reduce pollutants in storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or if that construction activity is a part of a larger common plan of development or sale that would disturb one acre or more. The program must include development and implementation of, at a minimum: an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state or local law; requirements for construction site operators to implement appropriate erosion and sediment best management practices; requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, fuels, litter, and sanitary waste at the construction site that may cause adverse impacts on water quality; procedures for site plan review which incorporate consideration of potential water quality impacts; procedures for receipt and considerations of information submitted by the public; and procedures for site inspection and enforcement of control measures.**

The following selected BMPs for Construction Site Storm Water Runoff Control apply to 1) construction activities of one acre and greater and 2) construction activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>4.1 Review Infrastructure Plans and Designs</b>	Require designers to include design of erosion control measures and approved BMPs in plans and specifications in all projects in compliance with and requiring compliance with the TPDES Construction General Permit and all local and State regulations.	1. Continue to require erosion control plans and BMP details in engineering plan submittals	Planning and Development Department	Years 1 – 5
<b>4.2 Inspect Erosion Control Measures</b>	Inspection of the infrastructure and effectiveness of the required erosion control measures used on applicable construction projects.	1. Continue to inspect general erosion control measures during baseline or annual inspections	Planning and Development Department	Years 2 – 3

		2. Document any violations and provide follow-up inspections within 10 days of the notice of violation, ensuring enforcement of permit provisions	Planning and Development Department	Years 3 – 5
<b>4.3 Earthwork Permit</b>	Issue permits for site grading, when necessary, to reduce the impact to neighboring properties, downstream flooding, or channel erosion.	1. Continue to issue permits as needed	Planning and Development Department, Engineering Division	Years 1 – 5
<b>4.4 Storm Water Pollution Prevention Plan during Construction</b>	A Storm Water Pollution Prevention Plan (SWP3) is required on all applicable construction projects in accordance with the regulatory authorities' permit process. A copy of the NOI or Construction Site Notice on all applicable construction projects shall be required.	1. A copy of the NOI from the contracting authority must be provided before a construction permit can be issued	Planning and Development Department	Years 3 – 5
<b>4.5 Complaint response</b>	Citizen complaints regarding sediment and other development pollutants are investigated.	1. Continue to investigate at least 80% of complaints within 15 working days with priority complaints investigated sooner	Planning and Development Department	Years 1 – 5
<b>4.6 Construction Ordinance</b>	Work with the Environmental Services Department to include in the City of Grand Prairie Storm Water Ordinance (Refer to BMP 3.9) provisions to meet the legal authorities necessary to comply with permit requirements for Construction Site Storm Water Runoff Control. Ordinance will require contractors to implement erosion and sediment control BMPs and to control construction site waste.	1. Assign Staff and obtain information for draft ordinance	Planning and Development Department, Engineering Division	Year 1
		2. Develop a draft ordinance		Year 2
		3. Finalize ordinance		Year 3

		4. Implement ordinance		Year 3
<b>4.7 Site Development Plan Reviews</b>	Enhance review of site development plans to include water quality considerations, including a review of erosion control plans and proposed approved BMPs. Any amendments to the site plan review procedures will conform to the Storm Water Ordinance and post construction requirements.	1. Assign Staff and obtain information for site plan review procedures	Planning and Development Department	Year 1
		2. Revise and adopt the site plan review procedures		Year 2
		3. Amend site plan review procedures as necessary and implement compliance requirements		Year 3
<b>4.8 Recording and Public Complaint Response</b>	Refine the system for recording and responding to calls from the public. This approach will include clarifying responsibilities, procedures, recordkeeping, and follow-up.	1. Assign and train Staff	Planning and Development Department	Year 1
		2. Prepare a memorandum of understanding clarifying responsibilities, procedures, recordkeeping, and follow-up on calls from the public		Year 2
		3. Implement		Year 3
<b>4.9 Redefine the Construction Site Inspection Program</b>	Redefine the construction site inspection program by developing a system to assign inspectors, track training requirements, establish schedules of inspections, establish recordkeeping procedures, and define enforcement procedures. The existing inspection program will be upgraded to reflect the redefined construction site inspection program. Compliance with the Storm Water Ordinance will be insured by the use of non-monetary	1. Redefine the inspection program and complete a memorandum of understanding concerning inspector assignments and enforcement procedures, training requirements, and record keeping	Planning and Development Department	Year 3

	penalties, fines, bonding requirements, permit denial, stop work orders, and holding of Certificate of Occupancy until full compliance.	processes		
		2. Complete training of all departmental construction site inspectors. Initiate a program to formally train new inspectors by the end of their first year of their inspection assignment		Year 4
		3. Include in the inspection activities the additional sanctions provided by adoption of the Storm Water Ordinance		Year 5
<b>4.10 Construction Site Storm Water Public Education Program</b>	Coordinate a public education program with Environmental Services Division to provide information to construction site operators regarding the requirements of the Construction General Permit and the MS4 General Permit.	1. Add internet links concerning Construction Site BMPs and Storm Water to the Grand Prairie website	Planning and Development Department	Year 2
		2. Create fact sheets and distribute to developers and homebuilders regarding requirements for permitting and pollution prevention		Year 3

## MCM 5. Post-Construction Management in New Development and Redevelopment

**40 CFR 122.34 (b) (5) - Develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that will result in disturbance of one acre or more acres, that discharge into our MS4 ensuring that controls are in place that would prevent or minimize water quality impacts; develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for our community; use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state or local law; and insure adequate long-term operations and maintenance of BMPs.**

The following selected BMPs for Post-Construction Management in New Development and Redevelopment apply to 1) new development / redevelopment activities of one acre and greater and 2) new development / redevelopment activities at sites that are part of a larger common plan of development (where the total disturbed area is equal to one acre or greater).

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>5.1 Development Review Process</b>	All development plans are reviewed for compliance with floodplain requirements, for adequacy of infrastructure design for drainage, and for use of detention ponds.	1. Continue to review at least 80% of development plans for mitigation of impact	Planning and Development Department, Engineering Division	Years 1 – 5
<b>5.2 Stream Buffer Preservation</b>	Encourage the preservation of natural channels and the 100 year floodplain.	1. Continue to encourage the preservation of stream buffers during plan reviews by requiring dedication of drainage or floodplain management easements for the 100-year floodplain	Planning and Development Department	Years 1 – 5

<b>5.3 Storm Water Design Criteria and Methods</b>	Adopt storm water design criteria and methods that integrate considerations for drainage and water quality for post construction BMPs. An internal committee will evaluate the implementation of the manuals by Grand	1. Appoint Staff to evaluate and make recommendations	Planning and Development Department	Years 2
	Prairie and propose their adoption with any amendments thereto.	2. Research information through benchmarking and attending NCTCOG meetings and training seminars		Years 2
3. Adopt the policies and design criteria as needed		Year 3		
4. Affected city departments and divisions will implement the policy and design criteria manuals as adopted		Year 4		
<b>5.4 Revise Policies and Design Criteria in the Unified Development Code</b>	Revise the Unified Development Code as needed to include requirements and revised standards. An internal committee will evaluate the Unified Development Code and design criteria, propose amendments thereto to support water quality objectives, and update as necessary.	1. Appoint Staff to evaluate and make recommendations	Planning and Development Department	Year 2
2. Research information through benchmarking and attending NCTCOG meetings and training seminars; head an internal committee		Year 2		
3. Adopt the amendments to the Unified Development Code		Year 3		

		4. The affected city departments and divisions will implement the revisions to the Unified Development Code		Year 4
<b>5.5 Long term operation and maintenance of BMPs</b>	Perform periodic inspections on existing post construction BMPs and work with the owners to provide needed maintenance and repairs. Failure to perform maintenance and repairs directed by the city may result in penalties.	1. Document all inspections and violations	Planning and Development Department	Year 3
		2. Develop guidance documents for developers and other responsible parties addressing maintenance and operation responsibilities, stressing the importance of proper maintenance for water quality and quantity control and ensuring proper maintenance activities are conducted		Year 3

## MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

**40 CFR 122.34 (b) (6) –Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.**

### Selected BMPs for Pollution Prevention/Good Housekeeping for Municipal Operations

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
<b>6.1 Storm Water Management Program Data Tracking</b>	Track all city activities related to the Storm Water Management Program through a data tracking program. Software will be utilized to assist with the tracking.	1. Purchase and utilize software	Environmental Services Department, Environmental Quality Division	Year 1
		2. Create annual report		Year 2
<b>6.2 Existing SWP3s</b>	Three existing SWP3s are maintained for the Airport, the Landfill, and the Service Center, as required by the general permit TXR05000.	1. Maintain and update SWP3s for the permits at the three existing regulated facilities	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Review the SWP3s annually for any changes required		Years 1 – 5
		3. Inspect all three sites annually		Years 1 – 5
		4. Ensure that required annual SWP3 training is conducted		Years 2 – 5
<b>6.3 Storm Sewer and Drainage Maintenance Program</b>	Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations. Use permanent vegetation to stabilize disturbed soil.	1. Hire a crew of 3 to maintain storm sewer and drainage	Public Works Department, Streets Division	Years 1 – 5

		2. Respond to 100% of citizen complaints		Years 1 – 5
		3. Track storm sewer and drainage maintenance		
<b>6.4 Disposal of Waste Removed from the MS4</b>	Develop a standard operating procedure for the disposal of waste removed from the MS4, including any dredged soil, accumulated sediments, and floatables.	1. Develop an SOP for waste disposal	Environmental Services, Environmental Quality Division	Year 2
<b>6.5 Storm Water Pollution Prevention Guidelines for all City Activities</b>	Develop pollution prevention guidelines for selected city activities not covered by a specific TPDES permit. Training materials will be developed from NCTCOG Storm Water training materials, as indicated by BMP 3.8.	1. Identify target audience and activities for the pollution prevention plan	Environmental Services Department, Environmental Quality Division	Year 2
		2. Review Phase 1 city SWP3s as well as suggested EPA and TCEQ BMPs		Year 2
		3. Design the SWPP materials for selected city employees		Years 3 – 4
		4. Begin developing, purchasing and disseminating SWPP materials to selected city employees annually		Years 5
<b>6.6 Promotion of Native or Adaptive Vegetation Along Floodplain Easements</b>	Promote good storm water filtration and natural uptake of possible nutrient pollutants by native and/or adaptive vegetation.	1. Identify at least 2 areas to promote native vegetation	Environmental Services Department, Environmental Quality Division and Public Works Department, Streets Division	Year 2
		2. Choose location and design for signage and formalize sign budget		Year 3

		3. Install at least 1 sign for each area and define management area		Year 4 – 5
		4. Identify future areas suitable for promotion of vegetation as the city continues to develop		Year 5
<b>6.7 Mosquito Management Program</b>	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	1. Maintain integrated mosquito management methods when handling and applying pesticides	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Use low toxicity bio-controls for larvae control		Years 1 – 5
<b>6.8 Street Sweeping</b>	Remove solid pollutants from the streets to avoid contamination of the storm sewer system.	1. Sweep major thoroughfares on an annual basis and more often on high traffic roads	Environmental Services Department, Solid Waste Division	Years 1 – 5
<b>6.9 Inspect City Facilities</b>	Inspect city facilities for Best Management Practices.	1. Inspect 25% of city facilities annually	Environmental Services Department, Environmental Quality Division	Years 2 – 5
<b>6.10 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 6.3)</b>	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Perform annual maintenance reviews and prepare report		Years 1 – 5

		3. Make necessary repairs to District facilities		Years 1 – 5
<b>6.11 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see MCM 6.4)</b>	Develop a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's storm water system.	1. Develop a SOP for waste disposal	Dallas County Flood Control District #1	Year 2