City of The Colony

Storm Water Management Plan

Developed to comply with the requirements of Texas Pollutant Discharge Elimination System
General Permit No. TXR040000

Permit Term:
August 2007 – August 2012

Prepared:
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1.0 INTRODUCTION

The U.S Environmental Protection Agency (EPA) issued regulations in 1999 to protect storm water quality in small cities and urbanized areas. In Texas, the Texas Commission on Environmental Quality (TCEQ) was delegated the responsibility for implementing the regulations, commonly called the Phase II Storm Water Program. The City of The Colony is one of several hundred cities, counties, and other public entities required to develop a program to protect storm water quality under Phase II regulations.

The EPA required the TCEQ to develop permit conditions for the Texas Pollutant Discharge Elimination System (TPDES) General Permit Number TXR040000 by December 9, 2002 to regulate public entities such as the City. The TCEQ finalized the permit August 13, 2007. With the permit requirements finalized, the City is required to develop and submit to the TCEQ a plan for a Storm Water Quality Management Program by February 11, 2008. The program will then need to be implemented over the next five years.

The City has developed this Storm Water Management Plan (SWMP) to comply with the requirements of the Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR040000. The SWMP includes best management practices (BMPs) that will be implemented by the City to reduce storm water pollution to the "maximum extent practicable," as regulations require.

Existing City storm water programs and activities that protect the City's storm water quality were identified and are included in the SWMP. They will be supplemented with several new BMPs to provide even more protection of storm water quality.

A schedule to implement the Storm Water Management Program, as well as measurable goals to track the implementation progress, has been developed for each of the BMPs in this SWMP. Each BMP was selected based on the projected effectiveness in protecting storm water quality and its ability to aid in compliance with permit conditions.

The implementation schedule and measurable goals for the first five-year permit term were selected so that the storm water program will be steadily phased in over the permit term. The City will review the implementation progress each year and modify the Storm Water Management Program as necessary. Annual updates will be provided to the TCEQ.

1.1 The City of The Colony

The City of The Colony, Texas is located in southeastern Denton County in North Central Texas. It is east of Lake Lewisville and north of the City of Carrollton. The City limits encompass 13.7 square miles, with a population density of 2,783 people per square mile. According to the 2000 census, the population of the City is 26,531. The City is within the Texas Blackland Prairies ecoregion, specifically the Northern Blackland Prairie. This ecoregion is characterized by fine textured, clayey soils, and prairie vegetation. The area is characterized by a humid, subtropical, continental climate with hot summers and mild winters. The average maximum temperature occurs in July (96.3 degrees F); the average minimum temperature occurs in January (34.2 degrees F) with an annual average temperature of 65.7 degrees F. Rainfall is distributed throughout the year, reaching a slight peak in spring. Snowfall is infrequent. Prevailing winds in the area are from the south.

1.2 Water Quality

1.2.1 Storm Water and Water Quality in Texas

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

In order to protect water quality, it is necessary to identify the types and sources of pollution and implement plans to protect the city's water resources. Historically, waters have been protected through State and Federal regulation of "point-sources" or end-of-pipe sources of pollution. Over time, it has become more evident that non-point sources of pollution, such as urban storm water runoff, can create problems in water ways and impact the community's quality of life.

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

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

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

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

1.2.2 Water Quality in The Colony Area

The major water body receiving urban storm water runoff from The Colony is Lewisville Lake (Segment 0823 of the Trinity River), although portions of the City that are located in the Office Creek and Indian Creek watersheds discharge runoff into the Elm Fork Trinity River below Lewisville Lake (Segment (0822). Additionally, there are unnamed tributaries within the city that receive storm water runoff. The designated uses for Lewisville Lake and the Elm Fork Trinity

below Lewisville Lake are General, Contact Recreation, Aquatic Life, Fish Consumption, and Public Water Supply.

The TCEQ 303(d) list identifies water bodies in Texas with known water quality impairments. The stream segment of the Elm Fork Trinity below Lewisville Lake is included on the TCEQ Draft 2006 303(d) List for a water quality impairment due to elevated concentrations of bacteria, specifically *e.coli*. Concern for elevated concentrations of nutrients, as demonstrated by chlorophyll-a concentrations, and low concentrations of dissolved oxygen in the stream segment are also indicated in the *Draft 2006 TCEQ Water Quality Inventory*. The 303(d) list indicates that additional data and information are scheduled to be collected by the TCEQ before a total maximum daily load (TMDL) study would be conducted.

Lewisville Lake is not listed on the 303(d) list as an impaired water body, although data indicate there is a water quality concern for nutrients and bacteria. Specifically, the *Draft 2006 TCEQ Texas Water Quality Inventory* shows elevated concentrations of nitrate, orthophosphorus, total phosphorus, fecal coliform, and ammonia in the Stewart Creek arm of the lake and nitrate in the Little Elm Creek arm of the lake.

Water quality data for Stewart Creek, which discharges into Lewisville Lake from the City and upstream of the City, show elevated concentrations of nitrate, orthophosphorus, and total phosphorus. The City's wastewater treatment plant effluent discharges into Stewart Creek at or near the confluence of the creek with the lake.

Data collected from streams upstream and downstream of Lewisville Lake indicate a variety of potential water quality issues. Little Elm Creek, which discharges into Lewisville Lake, has depressed dissolved oxygen concentrations and an impairment for bacteria, specifically fecal coliform. The *Draft 2006 Texas Index of Water Quality Impairments* (June 27, 2007) shows Little Elm Creek to be a water body that does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants. The City does not discharge into Little Elm Creek and is not expected to be directly affected by the creek's impairment designation.

Table 1 lists water quality indicators that reveal actual or potential concerns with local water quality in the vicinity of The Colony.

Table 1. Water Quality Issues for Water Bodies near The Colony

Water Body	Indicator Revealing Water Quality Concern	Level of Concern
Stewart Creek	Nitrate	Concern for screening level
	Orthophosphorus	Concern for screening level
	Total phosphorus	Concern for screening level
Lewisville Lake	Ammonia	Concern for screening level
	Bacteria (fecal coliform)	Concern for near non-attainment
	Nitrate	Concern for screening level
	Orthophosphorus	Concern for screening level
	Total phosphorus	Concern for screening level
Elm Fork Trinity River below Lewisville Lake	Bacteria (e.coli)	Impairment (303d listed)
	Dissolved oxygen	Concern for screening level
	Chlorophyll-a	Concern for screening level

Source: TCEQ Draft 2006 Water Quality Inventory and TCEQ Draft 2006 303(d) List
**indicator of water quality concern is not associated with a specific designated use*

2.0 REGULATORY REQUIREMENTS

Under the requirements of the Clean Water Act, the EPA is required to protect the water quality for natural waters throughout the country. The EPA established the National Pollutant Discharge Elimination System (NPDES) program to identify sources of water pollution and work to reduce or eliminate the pollutants from the waters of the U.S.

The EPA has delegated responsibility for the NPDES program in Texas to the TCEQ. In addition to issuing discharge permits to "point sources," such as municipal wastewater treatment plants, the TCEQ is also responsible for minimizing pollution from "non-point sources", such as storm water runoff from construction sites, industrial facilities or municipal storm sewer systems.

The TCEQ has issued requirements for minimizing storm water pollution from construction sites and industrial facilities through the issuance of general permits. Sites and facilities comply with these requirements by developing and implementing site-specific storm water pollution prevention plans.

To protect storm water quality from pollution entering municipal separate storm sewer systems (MS4s) in highly populated areas such as The Colony, the TCEQ developed a general permit with conditions for municipalities to follow. This SWMP has been developed to meet those requirements.

2.1 Overview

The City is required to develop a SWMP that describes specific actions that will be taken over a five-year period to reduce pollutants and protect the City's storm water quality. This SWMP also sets measurable goals and provides a schedule for the implementation of BMPs over the next five years.

Various BMPs must be developed for each of six required minimum control measures that are expected to minimize or eliminate storm water pollutants discharged into the storm sewer system and provide water quality protection for receiving water bodies. A general description of the six required control measures is provided below. The specific requirements for each minimum control measure are provided in Section 4.

2.1.1 Public Education and Outreach

The City is required to distribute educational materials and perform outreach to inform the public about the impacts polluted storm water runoff discharges can have on water quality. The TCEQ has identified several groups that must be specifically targeted, including residents, businesses, visitors, commercial and industrial facilities, and public service employees.

2.1.2 Public Participation/Involvement

The City must provide opportunities for citizens to participate in the development and implementation of the Storm Water Management Program. Proper advance notice of public meetings must also be provided.

2.1.3 Illicit Discharge Detection and Elimination

A plan must be developed and implemented to detect and eliminate illicit discharges to the storm sewer system. This includes developing a storm sewer system map and conducting periodic inspections of the system. The inspections are intended and identify and eliminate illegal dumping, sanitary system cross connections, dry weather discharges, and other illicit discharges. The City must also educate the community about hazards associated with illegal discharges and

improper disposal of waste. The City is required to have ordinance provisions in place that prohibit the release of non-allowable non-storm water discharges to the storm sewer system.

2.1.4 Construction Site Runoff Control

The City must develop and implement an erosion and sediment control program for construction activities within the City. Operators of construction sites that disturb one acre or more of land will be required to submit erosion control plans to the City. The City is required to have a process in place to review the plans, as well as provide an opportunity for the public to view and comment on the plans.

Through the use of an ordinance, the City must prohibit unauthorized discharges from regulated construction sites in the City. The City is required to have a program to inspect the construction activities and enforce the erosion control ordinance requirements.

2.1.5 Post-Construction Runoff Control

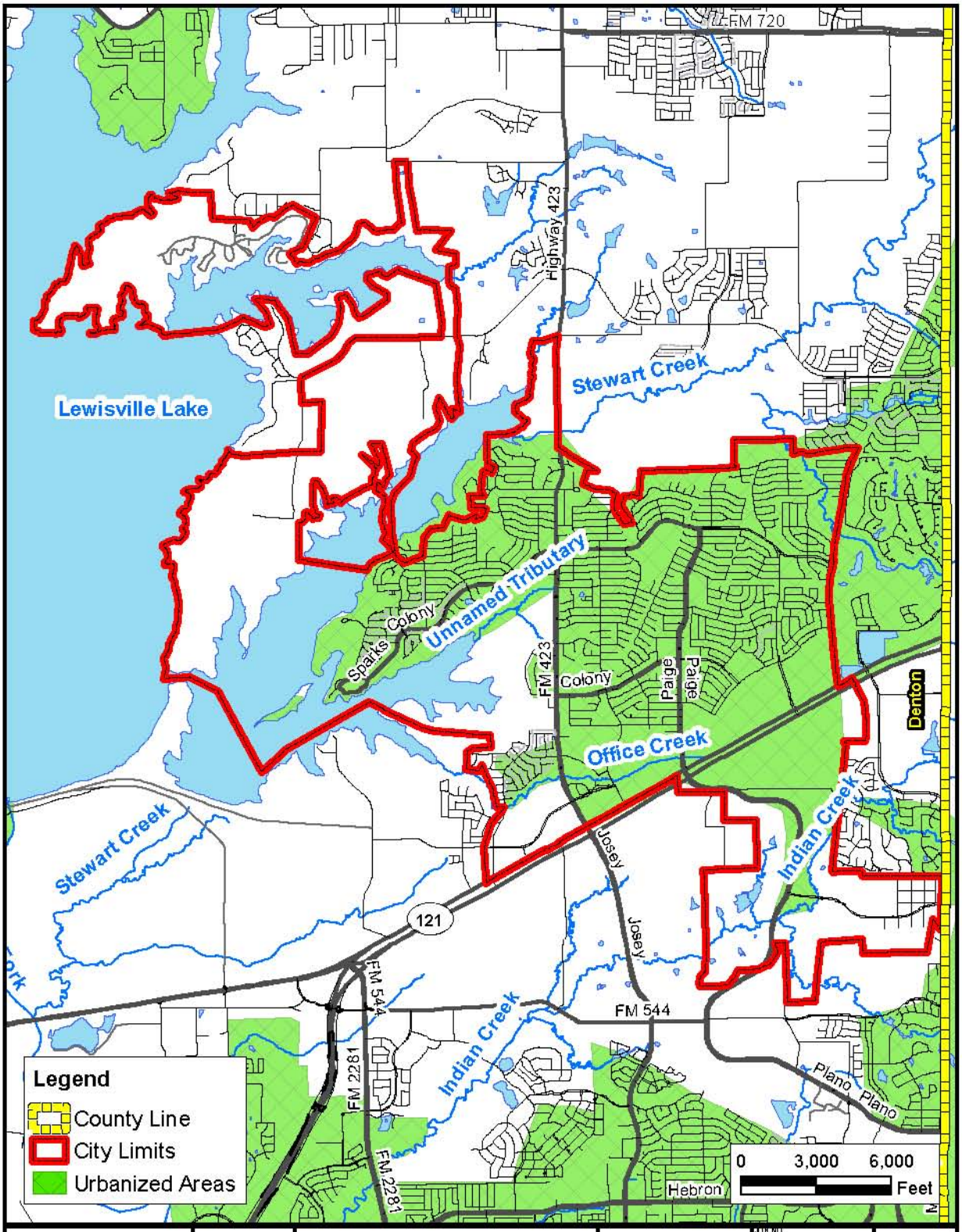
The City must develop a program to minimize discharges of polluted or erosive post-construction storm water runoff from new development and redeveloped areas. Like the illicit discharge prohibition and construction runoff control requirements, this measure must be implemented with an ordinance enforced by the City. The specific requirements would be specified in the storm water ordinance and/or the storm water design manual.

2.1.6 Pollution Prevention/Good Housekeeping

The City must work to identify and minimize potential sources of storm water pollution from municipal operations. Actions that will be required to be taken will include employee training, maintenance of the storm water system, and other best management practices. The TCEQ has specified a number of municipal operations that must specifically be addressed.

2.2 Permit Applicability And Coverage

The TPDES Phase II MS4 permit applies to operators of publicly-owned storm sewer systems in urbanized areas in Texas. The U.S. Census Bureau defines the urbanized areas based on the population density and total population for an area. The City, except for the far northeastern portion, is located within the “Dallas/Fort Worth Metroplex” U.S. Census Urbanized Area. Figure 1 shows the current city limits of The Colony with respect to the 2000 Census urbanized area. Only the urbanized area of the City is required to be included in the Phase II MS4 Storm Water Management Program. Components of the SWMP may be voluntarily implemented by the City within the non-urbanized areas of the City as well.



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City of The Colony, Texas
Storm Water Managment Plan

Urbanized Area Map

THE COLONY
City by the Lake

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2.3 Definitions

Following are definitions to key words or phrases that are used throughout this SWMP. The definitions are taken directly from the TPDES Phase II MS4 general permit.

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.

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

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 entirely composed of storm water, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency fire fighting activities.

Industrial Activities - manufacturing, processing, material storage, and waste material disposal areas (and similar areas where storm water can contact industrial pollutants related to the industrial activity) at an industrial facility described by the TPDES Multi Sector General Permit, TXR050000, or by another TCEQ or TPDES permit.

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

MS4 Operator – For the purpose of this permit, the public entity, and/ 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.

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

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

Outfall - For the purpose of this permit, a point source at the point where a municipal separate storm sewer discharges to waters of the United States (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.

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 storm water runoff.

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 an MS4. (Definition from 40 CFR § 122.32(e)(3)).

Small Municipal Separate Storm Sewer System (MS4) – refers to a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by the United States, a state, city, town, borough, county, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under § 208 of the CWA; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; (iv) Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR § 122.2; and (v) Which was not previously authorized under a NPDES or TPDES individual permit as a medium or large municipal separate storm sewer system, as defined at 40 CFR §§122.26(b)(4) and (b)(7). This term includes systems similar to separate storm sewer systems at military bases, large hospital 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 an MS4 that is also operated by that public entity.

Storm Water and Storm Water Runoff - Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Storm Water 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 storm water runoff. Structural controls and practices may include but are not limited to: wet ponds, bioretention, infiltration basins, storm water 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.

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

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

(a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

(b) all interstate waters, including interstate wetlands;

(c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

  (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;

  (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

  (3) which are used or could be used for industrial purposes by industries in interstate commerce;

(d) all impoundments of waters otherwise defined as waters of the United States under this definition;

(e) tributaries of waters identified in paragraphs (a) through (d) of this definition;

(f) the territorial sea; and

(g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of 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 United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States 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 Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

3.0 APPROACH

The City of The Colony (City) developed this SWMP to comply with TPDES requirements for storm water discharges and certain non-storm water discharges. The SWMP is intended to aid in the City's efforts to reduce storm water pollutants from the City's storm sewer system to the maximum extent practicable as required by the TPDES General Permit.

The SWMP describes specific actions that will be taken over a five-year period to reduce pollutants and protect the City's storm water quality. The specific activities to be implemented are referred to as best management practices. Various BMPs have been developed for each of the six "minimum control measures" required by the General Permit. The SWMP also sets measurable goals and provides a schedule for the implementation of the BMPs. Implementation of the selected BMPs is expected to result in reductions of pollutants discharged into The Colony's streams, ponds, and lakes.

The Colony Engineering Services Department has been responsible for the overall development of the SWMP, but most areas of the City's functions will have some degree of responsibility in the implementation of the plan. As a result, input from each of the staff in the affected departments has been obtained to develop this SWMP for the City.

3.1 Best Management Practice Selection Process

A two-step process was utilized to select the BMPs to be included in The Colony's SWMP. The first step in selecting BMPs included an evaluation of existing practices. The second step included meetings with staff from affected City departments to identify new BMPs. Various structural and non-structural BMPs will be implemented throughout the five-year permit term authorized under the General Permit.

3.1.1 Initial Assessment

The City of The Colony has historically implemented various BMPs intended to protect storm water quality. An important aspect of developing an effective, compliant, and cost efficient SWMP is to account for these existing programs. Details of the City's existing storm water-related practices were identified and included as BMPs selected for this SWMP.

As shown in Section 4, the minimum control measure requirements met by each existing BMP are noted. Some of the City's existing programs meet specific permit requirements, while others serve as a foundation for the continued development of additional BMPs to meet the requirement of reducing pollutants to the maximum extent practicable.

3.1.2 Identification of Additional BMPs

Additional BMPs were selected to supplement the City's existing programs and to satisfy unmet requirements of the Phase II MS4 permit. The supplemental BMPs were evaluated based on their ability to meet at least one, and preferably several, of the minimum control measure requirements.

The evaluation process involved researching a variety of sources of BMPs, such as regulatory agencies, industry associations, and private enterprises. Some of the additional BMPs were selected directly from standard BMP "toolboxes" available from the EPA or the North Central Texas Council of Governments (NCTCOG), while others were tailored to the specific needs of The Colony. Each BMP considered was evaluated based on the following criteria:

- Which of the minimum control measure requirements does the BMP meet?
- How does the BMP fit into the City's existing goals, operations, and activities?

- What is the anticipated effectiveness of the BMP?
- What is the general cost range to implement the BMP?

Specific costs for the BMPs were not identified for the development of this plan; however BMPs with significant investment requirements and relatively minor storm water quality benefit were not selected. More detailed Budget requirements will be evaluated for each BMP in the first year of the plan's implementation.

3.2 Selection Process for Measurable Goals and Implementation Schedule

Specific measurable goals have been developed for each BMP. In accordance with the permit requirements, measurable goals have been developed to evaluate the success of the City's SWMP toward reaching the goal of protecting water quality and reducing pollutants to the maximum extent practicable. Goals were selected with a consideration toward achieving steady implementation, assessing the ability to measure and track progress, and working within budgetary constraints.

For the first five-year permit term, the TCEQ has authorized the steady implementation of the SWMP over a five-year period. In general, measurable goals for existing BMPs monitor the effectiveness of the BMP, whereas measurable goals for new BMPs monitor their implementation progress.

During the first and second year of the permit program, the City's focus will be identifying the specific effort and budgetary requirements of each of the BMPs. The second and third years are for initial program implementations. The third through fifth years focus on evaluating the effectiveness and tracking the implementation of the BMPs.

Implementation of the BMPs will begin in the second and third year and will continue until full implementation is achieved in the fifth and final year of the initial permit term. Measurable goals for each of the BMPs in the first permit term will focus on tracking the effectiveness of the implementation and will transition in subsequent years to tracking the benefit of each BMP toward achieving its intended goal, namely protecting water quality.

4.0 MINIMUM CONTROL MEASURE REQUIREMENTS

The EPA and the TCEQ have specified six types of "minimum control measures" (MCM) for inclusion in each SWMP. Specific requirements have been developed by the TCEQ for each control measure. The City has identified numerous existing and supplemental BMPs that will be included in the SWMP. Additional discussion of the BMPs is provided in Appendix B of the SWMP. Following are the regulatory requirements for each minimum control measure, as stated in TXR040000.

"Part III. Storm Water Management Program (SWMP)

A. Minimum Control Measures

1. Public Education and Outreach on Storm Water Impacts

   (a) A public education program must be developed and implemented to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the public. The MS4 operator may determine the most appropriate sections of the population at which to direct the program. The MS4 operator must consider the following groups and the SWMP shall provide justification for any listed group that is not included in the program:

   (1) residents;

   (2) visitors;

   (3) public service employees;

   (4) businesses;

   (5) commercial and industrial facilities; and

   (6) construction site personnel.

   The outreach must inform the public about the impacts that storm water run-off can have on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps that they can take to reduce pollutants in storm water runoff.

   (b) The MS4 operator must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to demonstrate the amount of resources used to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2. of this general permit.

2. Public Involvement/Participation

   The MS4 operator must, at a minimum, comply with any state and local public notice requirements when implementing a public involvement/participation program. It is recommended that the program include provisions to allow all members of the public within the City the opportunity to participate in SWMP development and implementation.

3. Illicit Discharge Detection and Elimination

   (a) Illicit Discharges

   A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the small MS4. The SWMP must

include the manner and process to be used to effectively prohibit illicit discharges. To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges. Elements must include:

(1) Detection

The SWMP must list the techniques used for detecting illicit discharges; and

(2) Elimination

The SWMP must include appropriate actions and, to the extent allowable under state and local law, establish enforcement procedures for removing the source of an illicit discharge.

(b) Allowable Non-Storm Water Discharges

Non-storm water flows listed in Part II.B and Part VI.B. do not need to be considered by the MS4 operator as an illicit discharge requiring elimination unless the operator of the small MS4 or the executive director of the TCEQ identifies the flow as a significant source of pollutants to the small MS4. In lieu of considering non-storm water sources on a case-by-case basis, the MS4 operator may develop a list of common and incidental non-storm water discharges that will not be addressed as illicit discharges requiring elimination. If developed, the listed sources must not be reasonably expected to be significant sources of pollutants either because of the nature of the discharge or the conditions that are established by the MS4 operator prior to accepting the discharge to the small MS4. If this list is developed, then all local controls and conditions established for these listed discharges must be described in the SWMP and any changes to the SWMP must be included in the annual report described in Part IV.B.2. of this general permit, and must meet the requirements of Part II.D.3. of the general permit.

(c) Storm Sewer Map

(1) A map of the storm sewer system must be developed and must include the following:

(i) the location of all outfalls;

(ii) the names and locations of all waters of the U.S. that receive discharges from the outfalls; and

(iii) any additional information needed by the permittee to implement its SWMP.

(2) The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls are verified and how the map will be regularly updated.

4. Construction Site Storm Water Runoff Control

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

   (a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.

   (b) Requirements for construction site contractors to, at a minimum:

      (1) implement appropriate erosion and sediment control BMPs; and

      (2) control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

   (c) The MS4 operator must develop procedures for:

      (1) site plan review which incorporate consideration of potential water quality impacts;

      (2) receipt and consideration of information submitted by the public; and

      (3) site inspection and enforcement of control measures to the extent allowable under state and local law.

5. Post-Construction Storm Water Management in New and Redevelopment

   To the extent allowable under state and local law, the MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre of land, 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 or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. The permittee shall:

   (a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for the community;

   (b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law; and

   (c) Ensure adequate long-term operation and maintenance of BMPs.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

   A section within the SWMP must be developed to establish an operation and maintenance program, including an employee training component, that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

   (a) Good Housekeeping and Best Management Practices (BMPs)

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

   (1) park and open space maintenance;

   (2) street, road, or highway maintenance;

   (3) fleet and building maintenance;

   (4) storm water system maintenance;

   (5) new construction and land disturbances;

   (6) municipal parking lots;

   (7) vehicle and equipment maintenance and storage yards;

   (8) waste transfer stations; and

   (9) salt/sand storage locations.

   (b) Training

   A training program must be developed for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Materials may be developed, or obtained from the EPA, states, or other organizations and sources. Examples or descriptions of training materials being used must be included in the SWMP.

   (c) Structural Control Maintenance

   If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following:

   (1) maintenance activities;

   (2) maintenance schedules; and

   (3) long-term inspection procedures for controls used to reduce floatables and other pollutants.

   (d) Disposal of Waste

   Waste removed from the small MS4 and waste that is collected as a result of maintenance of storm water structural controls must be properly

disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including:

(1) dredge spoil;

(2) accumulated sediments; and

(3) floatables.

(e) Municipal Operations and Industrial Activities

The SWMP must include a list of all:

(1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and

(2) municipally owned or operated industrial activities that are subject to TPDES industrial storm water regulations."

5.0 BMPS, MEASURABLE GOALS, AND IMPLEMENTATION SCHEDULE

In accordance with TCEQ's General Permit requirements, The Colony's SWMP specifies existing and planned BMPs to protect storm water quality within the City as it reaches creeks, rivers and lakes. An implementation plan has been developed to show the City's planned schedule for expanding the scope of existing BMPs or developing and implementing new BMPs. Methods and measures to track the success of the implementation of the program have been developed for each BMP.

As noted in Section 3.0, the TCEQ requires BMPs to be implemented to meet six required minimum control measures, and a seventh measure can be included at the option of the City. The BMPs identified in this SWMP for each of the minimum control measures generally fall into one of the following types:

- Public education and involvement activities
- Coordination between the City, the citizens, businesses, and public entities
- Ordinances
- Inspections
- Monitoring
- Enforcement
- Plan reviews
- Training
- Maintenance activities
- Structural controls

Appendix A contains a list of each BMP selected for inclusion in the City's SWMP. A description of each BMP is provided, along with an implementation schedule with associated measurable goals over the next five years. For existing BMPs, measurable goals will be based on the effectiveness of the protective measure. Measurable goals tracking the implementation progress of each new BMP are shown for protective measures not already in place.

6.0 MEASURABLE GOAL EVALUATION PROCESS

The selected measurable goals for each BMP will be evaluated on an annual basis. Implementation of each BMP will be tracked as appropriate during each permit year in order to provide documentation of the BMP activities. Relative success at achieving the measurable goals, as well as an assessment of the effectiveness of each BMP, will also be evaluated on an annual basis.

Multiple City departments will be responsible for implementing portions of the SWMP and for tracking and evaluating the City's success in meeting the plan's measurable goals. Each City department with activities or responsibilities that may impact storm water quality will provide to the Storm Water Coordinator documentation showing progress towards meeting the annual measurable goals for each BMP.

7.0 ASSESSMENT OF NON-STORM WATER DISCHARGES

In accordance with the requirements of the Phase II MS4 permit, the following non-storm water discharges were assessed in order to determine whether they are known to be significant contributors of pollutants to the City's water bodies:

(a) water line flushing *(*excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);

(b) runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;

(c) discharges from potable water sources;

(d) diverted stream flows;

(e) rising ground waters and springs;

(f) uncontaminated ground water infiltration;

(g) uncontaminated pumped ground water;

(h) foundation and footing drains;

(i) air conditioning condensate;

(j) water from crawl space pumps;

(k) individual residential vehicle washing;

(l) flows from wetlands and riparian areas;

(m) dechlorinated swimming pool discharges;

(n) street wash water;

(o) 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 system, and similar activities);

(p) other allowable non-storm water discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);

(q) non-storm water discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) or the TPDES Construction General Permit (CGP); and

(r) other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these discharges.

Non-storm water discharges from the list above were evaluated by the City to determine if any known, significant, water quality impacts were created as a result of the discharges. There is no knowledge of adverse impacts to the City's water quality from any of the listed discharges.

8.0 RECORDKEEPING AND REPORTING

8.1 Recordkeeping

The City will maintain all records, a copy of the TPDES general permit and all data used to complete the Notice of Intent (NOI) for this permit, for a period of at least three years, or for the term of this permit, whichever is longer. A current, up-to-date copy of the SWMP and a copy of the general permit requirements will be maintained at City Hall.

The City will make the compiled records, including the NOI and SWMP, available for public viewing at City Hall. The SWMP will be available for viewing during normal office hours, and available supporting documents will be able to be viewed within ten working days following the request from the public. Other records will be provided within 10 working days, unless the request requires an unusual amount of time or effort to assemble. In such a case, Texas law regarding the Public Information Act will be followed. Reasonable charges, in accordance with Texas law, may be levied by the City for researching and preparing any requested materials.

8.2 Annual Report

The City will submit an annual update report to the Executive Director of the TCEQ by the reporting deadline each year of the permit term. The City will maintain copies of the annual reports at City Hall.

The annual report will address the requirements listed in the TPDES Phase II MS4 general permit rules. Generally, the update report will document the storm water-related activities for the previous year, evaluate the success of each BMP relative to their measurable goals, and discuss plans for the upcoming year, including modifications to the SWMP. Modifications may include replacement of previously selected BMPs, alteration of the implementation schedule, or other changes allowed by the permit.

8.3 Plan Updates

This plan may be updated by the City at any time. When considering eliminating a BMP, it is necessary to review the information in Appendix B to determine if the removal of the BMP will result in non-compliance for any of the minimum control measures. This would occur if the BMP is the only BMP that provides compliance for a specific permit provision. In such a case, the BMP would need to be replaced with a new BMP that continues to meet the relevant permit requirement.

Documentation of plan updates involving changes in BMPs, measurable goals, or the implementation schedule are maintained in Appendix H.

8.4 Reference Material

Several sources of information are available for use in the maintenance and update of the SWMP. Each of these resources are recommended for additional information about alternative BMP options.

The North Central Texas Council of Governments (NCTCOG) has developed a Construction BMP Manual, which is available to NCTCOG member cities and can be found on the Internet at www.dfwstormwater.com.

The U.S. EPA has developed an electronic Storm Water Management BMP Toolbox specifically for use by Phase II MS4 regulated entities. It contains a list of BMPs for each minimum control measure.

The State of California issued four BMP manuals for public reference. Like the EPA and NCTCOG manuals, the California manuals contain a list of BMPs available for use to protect storm water quality. The manuals are divided into four categories: Municipal, Construction, Post-Construction, and Industrial.

The Center for Watershed Protection also provides a wealth of publications and on-line documentation regarding storm water quality.

9.0 STORM WATER PERMITS FOR CITY-OWNED FACILITIES

Site-specific Storm Water Management Programs are required to be developed, implemented and maintained for certain types of facilities specifically designated in the federal and state storm water regulations. Examples of facilities subject to these permit requirements include automobile salvage yards, chemical production plants, paper and pulp mills, and many other industrial facilities.

Municipalities often operate several types of facilities that are subject to the industrial storm water permitting requirements. Landfills, wastewater treatment plants, vehicle maintenance facilities, municipal airports, and print shops are examples of regulated industrial facilities commonly operated by municipalities.

The City is required to document in this plan each City-owned or operated facility with a TPDES multi-sector general permit. A copy of each facility's permit authorization is located in Appendix F of this plan for reference.

Appendix A

List of BMPs

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 1	Utility Bill Insert / Educational Flyer	Public Works	III.A.1. Public Education (a)(1) Residents (a)(2) Visitors (a)(4) Businesses (a)(5) Commercial/Industrial (b) documentation	**Action** Develop an outline of the information to be communicated over a 5 year period. Identify budget requirements for BMP. **Documented Activities** Document the outline and the budget requirements.	**Action** Distribute educational information as a utility bill insert one time per year. **Documented Activities** Document the amount of information distributed.	**Action** Distribute educational information as a utility bill insert one time per year. **Documented Activities** Document the amount of information distributed.	**Action** Distribute educational information as a utility bill insert one time per year. **Documented Activities** Document the amount of information distributed.	**Action** Distribute educational information as a utility bill insert one time per year. **Documented Activities** Document the amount of information distributed.
BMP 2	Web Site	Public Works Engineering	III.A.1. Public Education (a)(1) Residents (a)(2) Visitors (a)(3) Public service employees (a)(4) Businesses (a)(5) Commercial/Industrial (a)(6) Construction Site Personnel (b) documentation III.A.2. Public Involvement/Participation	**Action** Develop storm water website concept. Identify budget requirements. **Documented Activities** Document the concept and the budget requirements.	**Action** Develop storm water-related content on the City's web site with information, links, and references for additional information. **Documented Activities** Establish and maintain an accessible website.	**Action** Revise and update the storm water website as needed. Solicit input and feedback from the public for storm water quality issues and opportunities in the City. **Documented Activities** Maintain an accessible website.	**Action** Revise and update the storm water website as needed. Solicit input and feedback from the public for storm water quality issues and opportunities in the City. **Documented Activities** Maintain an accessible website.	**Action** Revise and update the storm water website as needed. Solicit input and feedback from the public for storm water quality issues and opportunities in the City. **Documented Activities** Maintain an accessible website.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 3	Public Reference	Public Works Engineering	III.A.1. Public Education (a)(1) Residents (a)(2) Visitors (a)(4) Businesses (a)(5) Commercial/Industrial (a)(6) Construction Site Personnel (b) documentation	**Action** Identify and research available storm water educational material for public educational use. Identify budget requirements to conduct research, acquire existing educational material, and develop additional material, as necessary. **Documented Activities** Document the budget requirements.	**Action** Acquire, develop and provide copies of educational materials at the Public Library and other public access locations, such as City Hall, as appropriate. **Documented Activities** Document the amount of information distributed.	**Action** Acquire, develop and provide copies of educational materials at the Public Library and other public access locations, such as City Hall, as appropriate. **Documented Activities** Document the amount of information distributed.	**Action** Acquire, develop and provide copies of educational materials at the Public Library and other public access locations, such as City Hall, as appropriate. **Documented Activities** Document the amount of information distributed.	**Action** Acquire, develop and provide copies of educational materials at the Public Library and other public access locations, such as City Hall, as appropriate. **Documented Activities** Document the amount of information distributed.
BMP 4	Storm Water Video	Public Works	III.A.1. Public Education (a)(1) Residents (a)(2) Visitors (a)(3) Public service employees (a)(4) Businesses (a)(5) Commercial/Industrial (a)(6) Construction Site Personnel (b) documentation	**Action** Begin acquisition or development of a storm water education video. Identify budget requirements to acquire or develop video(s). Develop schedule for number and airtimes of video presentations on public access channel. **Documented Activities** Document the budget requirements.	**Action** Air storm water educational video(s) on the City's public access channel. Make video(s) available at public library. **Documented Activities** Document the frequency of airing the educational video.	**Action** Air storm water educational video(s) on the City's public access channel. Make video(s) available at public library. **Documented Activities** Document the frequency of airing the educational video.	**Action** Air storm water educational video(s) on the City's public access channel. Make video(s) available at public library. **Documented Activities** Document the frequency of airing the educational video.	**Action** Air storm water educational video(s) on the City's public access channel. Make video(s) available at public library. **Documented Activities** Document the frequency of airing the educational video.

** See Section 4 for Details*

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 5	Storm Drain Stenciling	Public Works	III.A.1. Public Education (a)(1) Residents (a)(2) Visitors (a)(3) Public service employees (a)(4) Businesses (a)(5) Commercial/Industrial (a)(6) Construction Site Personnel (b) documentation III.A.2. Public Involvement/Participation III.A.3. Illicit Discharges (a) illicit discharges	**Action** Develop schedule to inventory and then mark each storm drain inlet in the city over the permit term with volunteer participation. Identify budget requirements to acquire drain markers, as well as recruit and coordinate volunteers. **Documented Activities** Document the budget requirements.	**Action** Recruit volunteers for the placement of storm drain markers. Track location of placed markers and use of volunteer effort. **Documented Activities** Document the marked storm drain inlets.	**Action** Recruit volunteers for the placement of storm drain markers. Track location of placed markers and use of volunteer effort. **Documented Activities** Document the marked storm drain inlets.	**Action** Recruit volunteers for the placement of storm drain markers. Track location of placed markers and use of volunteer effort. **Documented Activities** Document the marked storm drain inlets.	**Action** Recruit volunteers for the placement of storm drain markers. Track location of placed markers and use of volunteer effort. **Documented Activities** Document the marked storm drain inlets.
BMP 6	Classroom Education	Public Works	III.A.1. Public Education (a)(1) Residents (b) documentation	**Action** Coordinate with the School District to determine feasibility of providing storm water education curriculum. Identify budget requirements and resource needs. **Documented Activities** Document the budget requirements.	**Action** Provide storm water education curriculum and material as determined by coordination meetings with the School District in Year 1. **Documented Activities** Document the amount of materials provide.	**Action** Provide storm water education curriculum and material as determined by coordination meetings with the School District in Year 1. **Documented Activities** Document the amount of materials provide.	**Action** Provide storm water education curriculum and material as determined by coordination meetings with the School District in Year 1. **Documented Activities** Document the amount of materials provide.	**Action** Provide storm water education curriculum and material as determined by coordination meetings with the School District in Year 1. **Documented Activities** Document the amount of materials provide.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 7	General Education of City Employees	Public Works	III.A.1. Public Education (a)(3) Public service employees (b) documentation	**Action** Identify and research available storm water educational material for public employees. Determine methods to provide education to employees. Identify budget requirements to conduct research, acquire existing educational material, and develop additional material, as necessary. **Documented Activities** Document the budget requirements.	**Action** Conduct employee education during regularly scheduled staff meetings a minimum of once per year. **Documented Activities** Document the number of educational meetings.	**Action** Conduct employee education during regularly scheduled staff meetings a minimum of once per year. **Documented Activities** Document the number of educational meetings.	**Action** Conduct employee education during regularly scheduled staff meetings a minimum of once per year. **Documented Activities** Document the number of educational meetings.	**Action** Conduct employee education during regularly scheduled staff meetings a minimum of once per year. **Documented Activities** Document the number of educational meetings.
BMP 8	Education of Elected Officials and the Public	Engineering Public Works	III.A.1. Public Education (a)(3) Public service employees (b) documentation III.A.2. Public Involvement/Participation	**Action** Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress. Conduct a minimum of 1 open meeting per year. **Documented Activities** Document the number of meetings per year.	**Action** Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress. Conduct a minimum of 1 open meeting per year. **Documented Activities** Document the number of meetings per year.	**Action** Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress. Conduct a minimum of 1 open meeting per year. **Documented Activities** Document the number of meetings per year.	**Action** Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress. Conduct a minimum of 1 open meeting per year. **Documented Activities** Document the number of meetings per year.	**Action** Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress. Conduct a minimum of 1 open meeting per year. **Documented Activities** Document the number of meetings per year.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 9	Business, Commercial and Industrial Education	Public Works	III.A.1. Public Education (a)(4) Businesses (a)(5) Commercial/ industrial facilities (b) documentation	**Action** Identify methods of communication about storm water issues with local businesses, such as through mailers, the Chamber of Commerce, etc. Identify budget requirements and appropriate approaches to effectively educate businesses about their potential storm water impacts and methods to minimize storm water pollution. **Documented Activities** Document the budget requirements.	**Action** Distribute educational information to local businesses a minimum of one time by the method(s) determined in Year 1. Solicit feedback once per year and revise program if appropriate. **Documented Activities** Document the number of businesses receiving educational information. Document the feedback received.	**Action** Distribute educational information to local businesses a minimum of one time by the method(s) determined in Year 1. Solicit feedback once per year and revise program if appropriate. **Documented Activities** Document the number of businesses receiving educational information. Document the feedback received.	**Action** Distribute educational information to local businesses a minimum of one time by the method(s) determined in Year 1. Solicit feedback once per year and revise program if appropriate. **Documented Activities** Document the number of businesses receiving educational information. Document the feedback received.	**Action** Distribute educational information to local businesses a minimum of one time by the method(s) determined in Year 1. Solicit feedback once per year and revise program if appropriate. **Documented Activities** Document the number of businesses receiving educational information. Document the feedback received.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 10	Developer/ Builder/Engineer Education and Training	Engineering	III.A.1. Public Education (a)(6) Construction site personnel (b) documentation III.A.4. Construction Site Storm Water Runoff Control (b) construction site requirements III.A.5. Post-Construction Storm Water Management in New and Redevelopment (a) structural and non-structural BMPs (c) long-term BMP maintenance	**Action** Develop cooperative program with developers, builders, and engineers to provide education about erosion control requirements and best practices. Develop an information packet specific to storm water protection measures for developers, builders, and engineers to be distributed upon request and for new construction projects. **Documented Activities** Develop an information packet.	**Action** Provide educational material and/or training opportunity at least once per year for builders, developers, engineers that are active in The Colony. Provide developers, builders, and engineers with the opportunity to participate in construction site erosion control training at least once per year. Require COG training for on-site personnel. **Documented Activities** Document the number of individuals trained in erosion control, and if applicable, the number of educational materials distributed.	**Action** Provide educational material and/or training opportunity at least once per year for builders, developers, engineers that are active in The Colony. Provide developers, builders, and engineers with the opportunity to participate in construction site erosion control training at least once per year. Require COG training for on-site personnel. **Documented Activities** Document the number of individuals trained in erosion control, and if applicable, the number of educational materials distributed.	**Action** Provide educational material and/or training opportunity at least once per year for builders, developers, engineers that are active in The Colony. Provide developers, builders, and engineers with the opportunity to participate in construction site erosion control training at least once per year. Require COG training for on-site personnel. **Documented Activities** Document the number of individuals trained in erosion control, and if applicable, the number of educational materials distributed.	**Action** Provide educational material and/or training opportunity at least once per year for builders, developers, engineers that are active in The Colony. Provide developers, builders, and engineers with the opportunity to participate in construction site erosion control training at least once per year. Require COG training for on-site personnel. **Documented Activities** Document the number of individuals trained in erosion control, and if applicable, the number of educational materials distributed.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 11	City Inspector Training	Engineering Planning and Development	III.A.1. Public Education (a)(3) Public service employees (b) documentation III.A.4. Construction Site Storm Water Runoff Control (c)(3) site inspection and enforcement of control measures III.A.6. Pollution Prevention/Good Housekeeping for Municipal Operations (a)(5) new construction and land disturbances (b) Training	**Action** Evaluate existing site inspection training program and determine the need for additional training or a formalized erosion control inspection program. Identify a program to track and document the training of individual inspectors. Identify budget requirements for the inspector training program. **Documented Activities** Document the budget requirements.	**Action** Provide appropriate construction site erosion control training to inspection personnel at least once every three years. Provide appropriate training for new inspectors prior to them conducting unassisted site inspections. Require COG training for site inspectors. **Documented Activities** Document the number of individuals trained.	**Action** Provide appropriate construction site erosion control training to inspection personnel at least once every three years. Provide appropriate training for new inspectors prior to them conducting unassisted site inspections. Require COG training for site inspectors. **Documented Activities** Document the number of individuals trained.	**Action** Provide appropriate construction site erosion control training to inspection personnel at least once every three years. Provide appropriate training for new inspectors prior to them conducting unassisted site inspections. Require COG training for site inspectors. **Documented Activities** Document the number of individuals trained.	**Action** Provide appropriate construction site erosion control training to inspection personnel at least once every three years. Provide appropriate training for new inspectors prior to them conducting unassisted site inspections. Require COG training for site inspectors. **Documented Activities** Document the number of individuals trained.

** See Section 4 for Details*
Minimum Control Measures- Part III
TPDES General Permit No. TXR040000
Prepared by Freese and Nichols, Inc.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 12	Storm Water Hotline	Public Works	III.A.2. Public Involvement/Participation III.A.3. Illicit Discharge Detection and Elimination (a)(1) Detection III.A.4. Construction Site Storm Water Runoff Control (c)(2) public information submittals	**Action** Develop plan for storm water hotline program through Public Works Department. Identify procedures for receiving calls, routing calls to appropriate personnel for proper response, and documenting subject of call for future analysis. Identify budget requirements for storm water hotline. **Documented Activities** Document the budget requirements.	**Action** Coordinate with surrounding communities and NCTCOG to finalize a plan for implementing the storm water hotline. **Documented Activities** Document the implementation plan.	**Action** Establish the storm water hotline and educate the public about its availability through various Public Education BMPs. Document each call and dispatch to appropriate department for proper response, as necessary. Conduct annual review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for hotline improvement, and areas requiring additional educational or enforcement effort to protect storm water quality. **Documented Activities** Document the number of calls received. Document nature of call, location of reported complaint, if applicable.	**Action** Continue to educate the public about the existence of the storm water hotline through various Public Education BMPs. Continue documenting each call, dispatching to appropriate department for proper response. Conduct annual review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for hotline improvement, and areas requiring additional educational or enforcement effort to protect storm water quality. **Documented Activities** Document the number of calls received. Document nature of call, location of reported complaint, if applicable.	**Action** Continue to educate the public about the existence of the storm water hotline through various Public Education BMPs. Continue documenting each call, dispatching to appropriate department for proper response. Conduct annual review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for hotline improvement, and areas requiring additional educational or enforcement effort to protect storm water quality. **Documented Activities** Document the number of calls received. Document nature of call, location of reported complaint, if applicable.
BMP 13	Bulk Waste Cleanup	Environmental Services	III.A.2. Public Involvement/Participation III.A.3. Illicit Discharge Detection and Elimination (a)(2) Elimination	**Action** Continue bulk waste cleanup program twice per year. Evaluate opportunities, public receptiveness, and budgetary requirements for additional trash cleanup events. **Documented Activities** Document the number of cleanup events taken place.	**Action** Continue existing trash cleanup activities. Implement additional activities identified in Year 1, if any. **Documented Activities** Document the number of cleanup events taken place.	**Action** Continue existing trash cleanup activities. Implement additional activities identified in Year 2, if any. **Documented Activities** Document the number of cleanup events taken place.	**Action** Continue existing trash cleanup activities. Implement additional activities identified in Year 3, if any. **Documented Activities** Document the number of cleanup events taken place.	**Action** Continue existing trash cleanup activities. Implement additional activities identified in Year 4, if any. **Documented Activities** Document the number of cleanup events taken place.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 14	Household Hazardous Waste Collection Center	Environmental Services	III.A.2. Public Involvement/Participation III.A.3. Illicit Discharge Detection and Elimination (a)(2) Elimination	**Action** Continue to conduct annual household hazardous waste collection center collection program. Evaluate opportunities, public receptiveness, and costs for expanding list of chemicals collected by recycling center. Develop four year plan to educate the public about household hazardous waste collection options and proper disposal practices. **Documented Activities** Document the four year written plan. Document amount and type of HHW collected	**Action** Continue to conduct annual household hazardous waste collection center collection program. Develop plan for expanded public use of center through acceptance of more household hazardous waste products, if determined to be financially feasible, and continued education. **Documented Activities** Document the four year plan and number of educational events. Document amount and type of HHW collected	**Action** Continue to conduct annual household hazardous waste collection center collection program. Conduct a minimum of four educational efforts per year to encourage public use of the center and household hazardous waste collection center. Use available media options, such as utility bill inserts, the City's web site, print, television and radio media, the public access channel, public meetings, and other methods. **Documented Activities** Document the number and type of educational events. Document amount and type of HHW collected	**Action** Continue to conduct annual household hazardous waste collection center collection program. Conduct a minimum of four educational efforts per year to encourage public use of the recycling center and household hazardous waste collection program. Use available media options, such as utility bill inserts, the City's web site, print, television and radio media, the public access channel, public meetings, and other methods. **Documented Activities** Document the number and type of educational events. Document amount and type of HHW collected	**Action** Continue to conduct annual household hazardous waste collection center collection program. Conduct a minimum of four educational efforts per year to encourage public use of the recycling center and household hazardous waste collection program. Use available media options, such as utility bill inserts, the City's web site, print, television and radio media, the public access channel, public meetings, and other methods. **Documented Activities** Document the number and type of educational events. Document amount and type of HHW collected
BMP 15	Park Cleanup	Parks and Recreation	III.A.2. Public Involvement/Participation III.A.3. Illicit Discharge Detection and Elimination (a)(2) Elimination	**Action** Evaluate existing program by identifying number of actual Park Cleanup locations and the number of potential Park Cleanup locations. Conduct cleaning once per year for selected parks **Documented Activities** Document the number of cleaning events.	**Action** Conduct cleaning once per year for selected parks. **Documented Activities** Document the number of cleaning events.	**Action** Conduct cleaning once per year for selected parks. **Documented Activities** Document the number of cleaning events.	**Action** Conduct cleaning once per year for selected parks. **Documented Activities** Document the number of cleaning events.	**Action** Conduct cleaning once per year for selected parks. **Documented Activities** Document the number of cleaning events.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 16	Illicit Discharge Prohibition/ Elimination Ordinance	Code Enforcement Engineering Public Works	III.A.3. Illicit Discharge Detection and Elimination (a) illicit discharges (b) non-storm water discharges	**Action** Review existing ordinances to determine need for additional ordinance requirements to meet this minimum control measure. Identify methods and budget requirements to develop (if necessary) and enforce ordinance requirements. **Documented Activities** Document the budget requirements and necessary development methods.	**Action** Draft revised/new illicit discharge prohibition ordinance, if necessary, for public review and comment. Solicit input from the public for the draft ordinance. **Documented Activities** Complete the draft of the ordinance.	**Action** Issue final illicit discharge prohibition ordinance. Conduct education activities to inform the public about the new ordinance requirements. Begin education-focused enforcement of ordinance. **Documented Activities** Document instances of such enforcement and action taken to eliminate illicit discharge.	**Action** Continue education-focused enforcement of new ordinance requirements. **Documented Activities** Document instances of such enforcement and action taken to eliminate illicit discharge.	**Action** Begin penalty-based enforcement of illicit discharge ordinance. **Documented Activities** Document instances of such enforcement and action taken to eliminate illicit discharge.
BMP 17	Storm Sewer System Map	Engineering GIS	III.A.3. Illicit Discharge Detection and Elimination (d) storm sewer map	**Action** Collect existing mapping information for the storm sewer system. Develop plan and budget requirements for effort necessary to identify regulated storm water outfalls and drainage areas or system features. **Documented Activities** Document the written plan and budget requirements.	**Action** Begin identifying regulated storm water outfalls in the City. Begin developing map of storm water outfall drainage areas or system features for the City. **Documented Activities** Document the number of outfalls identified.	**Action** Complete identification of outfalls. **Documented Activities** Document the total number of outfalls.	**Action** Continue developing map of storm water outfall drainage areas or system features for the City. **Documented Activities** Document the percent area mapped.	**Action** Develop map of storm water outfall drainage areas or system features for the City. **Documented Activities** Document the percent area mapped.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 18	Illicit Discharge Inspections	Public Works	III.A.3. Illicit Discharge Detection and Elimination (a) illicit discharges (b) non-storm water discharges	**Action** Develop plan to inspect the storm sewer system for illicit connections, illegal dumping, and dry weather discharges. Identify inspection staff, inspection schedule, and training procedures. **Documented Activities** Document an illicit discharge inspection plan, including a schedule to train staff, inspect the storm system for illicit discharges, and procedures to conduct inspections and respond to discovered discharges.	**Action** Begin training personnel in illicit discharge detection procedures. Establish procedure to eliminate detected illicit discharges. Identify budget requirements for illicit discharge inspections. **Documented Activities** Document training and procedures to detect and eliminate illicit discharges.	**Action** Continue to train personnel in illicit discharge detection procedures. Conduct illicit discharge inspections for the City's regulated outfalls, as specified in the illicit discharge inspection plan. **Documented Activities** Document outfalls screened, observations made, and corrective actions taken, if any.	**Action** Continue to train personnel in illicit discharge detection procedures. Conduct illicit discharge inspections for the City's regulated outfalls, as specified in the illicit discharge inspection plan. **Documented Activities** Document outfalls screened, observations made, and corrective actions taken, if any.	**Action** Continue to train personnel in illicit discharge detection procedures. Conduct illicit discharge inspections for the City's regulated outfalls, as specified in the illicit discharge inspection plan. **Documented Activities** Document outfalls screened, observations made, and corrective actions taken, if any.
BMP 19	Sanitary Sewer Line Maintenance and Inspection	Water Distribution	III.A.3. Illicit Discharge Detection and Elimination (a) illicit discharges (b) non-storm water discharges	**Action** Evaluate and identify a plan to conduct sanitary sewer inspections. Identify budget requirements for sanitary sewer inspections. **Documented Activities** Document the sanitary sewer inspection plan. Document the budget requirements for sanitary sewer inspections.	**Action** Begin implementation of sanitary sewer inspection procedures. **Documented Activities** Document the number and location of lines inspected each year.	**Action** Conduct sanitary sewer system inspections in accordance with the sanitary sewer inspection plan. **Documented Activities** Document the number and location of lines inspected each year. Document the nature of each identified corrective action needed.	**Action** Conduct sanitary sewer system inspections in accordance with the sanitary sewer inspection plan. **Documented Activities** Document the number and location of lines inspected each year. Document the nature of each identified corrective action needed.	**Action** Conduct sanitary sewer system inspections in accordance with the sanitary sewer inspection plan. **Documented Activities** Document the number and location of lines inspected each year. Document the nature of each identified corrective action needed.

** See Section 4 for Details*
Minimum Control Measures- Part III
TPDES General Permit No. TXR040000
Prepared by Freese and Nichols, Inc.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 20	Erosion Control Ordinance and Requirements for Construction Site Contractors	Engineering Building Inspectors	III.A.4. Construction Site Storm Water Runoff Control (a) ordinance (b) contractor requirements	**Action** Evaluate the City's existing ordinances to identify adequacy of erosion control requirements and enforcement mechanisms in meeting the MS4 permit requirements. **Documented Activities** Identify budget requirements needed to update the ordinance.	**Action** Develop modified/updated draft ordinance, if necessary, to meet permit conditions. **Documented Activities** Provide draft to regulated community for review and input.	**Action** Issue final ordinance. Conduct education activities to inform the public about the new ordinance requirements. Begin education-focused enforcement of ordinance. **Documented Activities** Document the number of education activities and instances of enforcement and action taken to eliminate unauthorized discharges.	**Action** Begin penalty-based enforcement of illicit discharge ordinance. **Documented Activities** Document the instances of such enforcement and action taken to eliminate unauthorized discharges.	**Action** Continue to enforce illicit discharge ordinance. **Documented Activities** Document the instances of such enforcement and action taken to eliminate unauthorized discharges.
BMP 21	Site Plan Review	Engineering	III.A.4. Construction Site Storm Water Runoff Control (c)(1) site plan review	**Action** Evaluate existing plan review procedures for compliance with permit requirements. Identify modifications to the procedures needed to achieve compliance with the permit conditions. **Documented Activities** Document the updated plan review procedures.	**Action** Revise plan review procedures, if necessary, to include adequate consideration of potential storm water quality impacts. Educate the public about new plan review procedures. **Documented Activities** Document the methods used to educate the public about site plan review procedures**.**	**Action** Continue to conduct plan reviews and update procedures to meet new ordinance requirements. **Documented Activities** Document the number of site plans reviewed.	**Action** Continue to conduct plan reviews. **Documented Activities** Document the number of site plans reviewed.	**Action** Continue to conduct plan reviews. **Documented Activities** Document the number of site plans reviewed.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 22	Construction Site Inspection and Enforcement	Engineering Planning and Development	III.A.4. Construction Site Storm Water Runoff Control (c)(3) site inspection and enforcement	**Action** Evaluate existing site inspection procedures for compliance with permit requirements. Identify necessary modifications to the procedures needed to achieve compliance with the permit conditions. Identify budget requirements for erosion control site inspections, documentation, and tracking. **Documented Activities** Document the updated site inspection procedures and budget requirements.	**Action** Revise site inspection procedures, if necessary, to include documented inspection of erosion control measures. Educate the public about new site inspection procedures. **Documented Activities** Document the method of educating the public on new site inspection procedures.	**Action** Continue to conduct erosion control site inspections. **Documented Activities** Document inspections, instances of enforcement activity, and reason(s) for non-compliance. Document the corrective action taken to protect storm water quality.	**Action** Continue to conduct erosion control site inspections. **Documented Activities** Document inspections, instances of enforcement activity, and reason(s) for non-compliance. Document the corrective action taken to protect storm water quality.	**Action** Continue to conduct erosion control site inspections. **Documented Activities** Document inspections, instances of enforcement activity, and reason(s) for non-compliance. Document the corrective action taken to protect storm water quality.
BMP 23	Receipt and Consideration of Information from Public for Construction Site Storm Water Runoff Control	Public Works Planning and Development	III.A.4. Construction Site Storm Water Runoff Control (c)(2) public information submittals	**Action** Develop written procedures for receiving, considering, and tracking information from the public for construction site activities. Identify budget requirements to implement the procedures. **Documented Activities** Document the written procedures and budget requirements.	**Action** Implement procedures to receive and consider public comments. Document comments received and consideration made for each set of comments. Educate the public about the mechanisms needed to make comments or submittals. **Documented Activities** Document comments received and methods of educating public.	**Action** Continue to refine procedures. Document comments received and consideration made for each set of comments. Educate the public about the mechanisms needed to make comments or submittals. **Documented Activities** Document comments received and methods of educating public.	**Action** Continue to refine procedures. Document comments received and consideration made for each set of comments. Educate the public about the mechanisms needed to make comments or submittals. **Documented Activities** Document comments received and methods of educating public.	**Action** Continue to refine procedures. Document comments received and consideration made for each set of comments. Educate the public about the mechanisms needed to make comments or submittals. **Documented Activities** Document comments received and methods of educating public.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 24	Post-Construction Storm Water Ordinance	Engineering Public Works Planning and Development	III.A.5. Post-Construction Storm Water Management (b) ordinance (c) long-term operation and maintenance of BMPs	**Action** Review the City's existing ordinance to identify if additional language is necessary to meet the Phase II MS4 post-construction requirements. Identify budget requirements to revise and update the ordinance to meet the permit conditions. **Documented Activities** Document the budget requirements.	**Action** Draft a revised storm water ordinance for post-construction requirements, if necessary, and make available for public review and input. **Documented Activities** Complete the draft post-construction storm water ordinance, and document the method for eliciting public review and input on the draft.	**Action** Implement the new ordinance requirements (if revised). Conduct education activities to inform the public about the new ordinance requirements. Begin education-focused enforcement of ordinance. **Documented Activities** Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.	**Action** Issue final ordinance. Conduct education activities to inform the public about the new ordinance requirements. Continue education-focused enforcement of ordinance. **Documented Activities** Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.	**Action** Begin penalty-based enforcement of new ordinance requirements. **Documented Activities** Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.
BMP 25	Engineering Design Review	Engineering	III.A.5. Post-Construction Storm Water Management (a) appropriate use of structural/non-structural BMPs (c) long-term operation and maintenance of BMPs	**Action** Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality. **Documented Activities** Document the number of sites reviewed.	**Action** Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality. **Documented Activities** Document the number of sites reviewed.	**Action** Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality. **Documented Activities** Document the number of sites reviewed.	**Action** Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality. **Documented Activities** Document the number of sites reviewed.	**Action** Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality. **Documented Activities** Document the number of sites reviewed.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 26	Herbicide, Pesticide, and Fertilizer Management	Parks and Recreation	III.A.6. Pollution Prevention/Good Housekeeping (a)(1) park and open space maintenance (b) training	**Action** Continue implementation of The Colony's existing herbicide and pesticide management program. Evaluate appropriateness of program every two years. Provide and document refresher training for herbicide, pesticide, and fertilizer applicators at least every three years. **Documented Activities** Document the number of individuals trained.	**Action** Continue implementation of The Colony's existing herbicide and pesticide management program. Evaluate appropriateness of program every two years. Provide and document refresher training for herbicide, pesticide, and fertilizer applicators at least every three years. **Documented Activities** Document the number of individuals trained.	**Action** Continue implementation of The Colony's existing herbicide and pesticide management program. Evaluate appropriateness of program every two years. Provide and document refresher training for herbicide, pesticide, and fertilizer applicators at least every three years. **Documented Activities** Document the number of individuals trained.	**Action** Continue implementation of The Colony's existing herbicide and pesticide management program. Evaluate appropriateness of program every two years. Provide and document refresher training for herbicide, pesticide, and fertilizer applicators at least every three years. **Documented Activities** Document the number of individuals trained.	**Action** Continue implementation of The Colony's existing herbicide and pesticide management program. Evaluate appropriateness of program every two years. Provide and document refresher training for herbicide, pesticide, and fertilizer applicators at least every three years. **Documented Activities** Document the number of individuals trained.
BMP 27	Storm Sewer System Maintenance	Public Works	III.A.6. Pollution Prevention/Good Housekeeping (a)(4) storm water system maintenance	**Action** Develop a schedule to conduct visual inspections of the City's storm sewer system and evaluate the need for maintenance. Develop a system to monitor and track storm sewer maintenance activities. Clean system as needed in response to complaints or reported problems. Identify budget requirements to perform routine maintenance on the storm sewer system. **Documented Activities** Document the inspection schedule and budget requirements.	**Action** Implement the inspection schedule. Perform maintenance as necessary. Clean system as needed in response to complaints or reported problems. **Documented Activities** Document areas inspected, observations made, problems reported, and maintenance performed.	**Action** Continue to implement the inspection schedule. Perform maintenance as necessary. Clean system as needed in response to complaints or reported problems. **Documented Activities** Document areas inspected, observations made, problems reported, and maintenance performed.	**Action** Continue to implement the inspection schedule. Perform maintenance as necessary. Clean system as needed in response to complaints or reported problems. **Documented Activities** Document areas inspected, observations made, problems reported, and maintenance performed.	**Action** Continue to implement the inspection schedule. Perform maintenance as necessary. Clean system as needed in response to complaints or reported problems. **Documented Activities** Document areas inspected, observations made, problems reported, and maintenance performed.

** See Section 4 for Details*

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 28	Street Sweeping	Public Works	III.A.6. Pollution Prevention/Good Housekeeping (a)(2) street, road, or highway maintenance (a)(6) municipal parking lots (d) disposal of waste	**Action** Evaluate feasibility of street sweeping program for City streets. Develop schedule for street sweeping activities. Identify budget requirements for street sweeping program. **Documented Activities** Document the sweeping schedule and budget requirements.	**Action** Implement base level street sweeping program with existing equipment. **Documented Activities** Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.	**Action** Implement base level street sweeping program with existing equipment. **Documented Activities** Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.	**Action** Evaluate additional street sweeping equipment necessary for enhanced street sweeping program. Implement enhanced street sweeping program. **Documented Activities** Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.	**Action** Continue enhanced street sweeping program. **Documented Activities** Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 29	Responsible Material Storage	Public Works Utilities Parks and Recreation	III.A.6. Pollution Prevention/Good Housekeeping (a)(8) waste transfer stations (a)(9) salt/sand storage locations	**Action** Continue protective practices of existing material storage for road materials stockpiles. Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary. Identify the materials used in municipal activities and facilities that may contribute to storm water pollution. Develop material management procedures for each of the identified activities and municipal facilities. Identify municipal facilities that store raw materials that might be in contact with storm water. Develop raw materials management procedures for each of the identified municipal facilities. **Documented Activities** Document the results of the evaluation on effectiveness, the identified municipal potential pollutants, and the identified facilities storing raw materials.	**Action** Continue protective practices of existing material storage for road materials stockpiles. Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary. Implement material management protocols. Evaluate materials management program. Update procedures as needed. Implement raw materials management procedures. Train City personnel. Evaluate materials management program. Update procedures as needed. **Documented Activities** Document the implemented protocols, the implemented management procedures, and the numbers of city personnel undergoing training.	**Action** Continue protective practices of existing material storage for road materials stockpiles. Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary. Implement material management protocols. Evaluate materials management program. Update procedures as needed. Implement raw materials management procedures. Train City personnel. Evaluate materials management program. Update procedures as needed. **Documented Activities** Document the implemented protocols, the implemented management procedures, and the numbers of city personnel undergoing training.	**Action** Continue protective practices of existing material storage for road materials stockpiles. Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary. Implement material management protocols. Evaluate materials management program. Update procedures as needed. Implement raw materials management procedures. Train City personnel. Evaluate materials management program. Update procedures as needed. **Documented Activities** Document the implemented protocols, the implemented management procedures, and the numbers of city personnel undergoing training.	**Action** Continue protective practices of existing material storage for road materials stockpiles. Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary. Implement material management protocols. Evaluate materials management program. Update procedures as needed. Implement raw materials management procedures. Train City personnel. Evaluate materials management program. Update procedures as needed. **Documented Activities** Document the implemented protocols, the implemented management procedures, and the numbers of city personnel undergoing training.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 30	Structural Control Maintenance	Public Works	III.A.5. Post-Construction Storm Water Management (c) long-term operation and maintenance of BMPs III.A.6. Pollution Prevention/Good Housekeeping (a)(4) storm water system maintenance (c) structural control maintenance	**Action** Evaluate the municipal storm sewer system for the need for structural controls. Identify budget requirements for necessary controls. If structural controls are established, develop a plan for inspection and maintenance of the controls. Establish procedures to monitor public maintenance of structural controls through documented inspection. **Documented Activities** Document the evaluation, inspection, and maintenance activities related to structural controls.	**Action** Continue to evaluate the municipal storm sewer system for the need for structural control. Identify budget requirements for new controls. If structural controls are established, develop a plan for inspection and maintenance of the controls. Implement controls to monitor public maintenance of structural controls through documented inspection. **Documented Activities** Document the evaluation, inspection, and maintenance activities related to structural controls.	**Action** Continue to evaluate the municipal storm sewer system for the need for structural controls. Identify budget requirements for new controls. If structural controls are established, develop a plan for inspection and maintenance of the controls. Establish controls to monitor private industry structural control maintenance (documentation records) and continue to monitor public maintenance of structural controls through documented inspection. **Documented Activities** Document the evaluation, inspection, and maintenance activities related to structural controls.	**Action** Continue to evaluate the municipal storm sewer system for the need for structural controls. Identify budget requirements for new controls. If structural controls are established, develop a plan for inspection and maintenance of the controls. Implement controls to monitor private industry structural control maintenance (documentation records) and continue to monitor public maintenance of structural controls through documented inspection. **Documented Activities** Document the evaluation, inspection, and maintenance activities related to structural controls.	**Action** Continue to evaluate the municipal storm sewer system for the need for structural controls . Identify budget requirements for new controls. If structural controls are established, develop a plan for inspection and maintenance of the controls. Continue to monitor private industry structural control maintenance (documentation records) and public maintenance of structural controls through documented inspection. **Documented Activities** Document the evaluation, inspection, and maintenance activities related to structural controls.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 31	Spill Response	Fire Department	III.A.6. Pollution Prevention/Good Housekeeping (a) good housekeeping and BMPs (d) disposal of waste	**Action** Review existing spill response procedures to identify adequacy of measures to protect water quality. Continue implementation of existing spill response procedures and training through The Colony Fire Department. **Documented Activities** Document spill response events. Document training for spill response personnel. Document recommended updates to spill response procedure.	**Action** Update spill response procedure to incorporate review recommendations identified in Year 1. Continue implementation of existing spill response procedures and training through The Colony Fire Department. **Documented Activities** Document spill response events. Document training for spill response personnel.	**Action** Continue implementation of existing spill response procedures and training through The Colony Fire Department. **Documented Activities** Document spill response events. Document training for spill response personnel.	**Action** Continue implementation of existing spill response procedures and training through The Colony Fire Department. **Documented Activities** Document spill response events. Document training for spill response personnel.	**Action** Continue implementation of existing spill response procedures and training through The Colony Fire Department. **Documented Activities** Document spill response events. Document training for spill response personnel.
BMP 32	Employee Training	Utilities Public Works Parks and Recreation Building Inspections Engineering Environmental Services	III.A.6. Pollution Prevention/Good Housekeeping (b) training	**Action** Identify municipal operations in which activities have the potential to impact storm water. Identify effort and method necessary to properly train affected employees. Develop budget requirements for employee training program. **Documented Activities** Document the budget requirements.	**Action** Conduct BMP training for the municipal employees responsible for activities that may impact storm water quality. **Documented Activities** Document the training of city personnel.	**Action** Conduct BMP training for the municipal employees responsible for activities that may impact storm water quality. **Documented Activities** Document the training of city personnel.	**Action** Conduct BMP training for the municipal employees responsible for activities that may impact storm water quality. **Documented Activities** Document the training of city personnel.	**Action** Conduct BMP training for the municipal employees responsible for activities that may impact storm water quality. **Documented Activities** Document the training of city personnel.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 33	Disposal of Collected Storm Sewer System Waste	Public Works	III.A.6. Pollution Prevention/Good Housekeeping (d) disposal of waste	**Action** Identify sources of waste requiring disposal as part of storm water management program activities. Identify proper methods for handling and disposal of waste materials. Develop budget requirements for waste handling and disposal. **Documented Activities** Document budget requirements and the proper disposal of waste materials.	**Action** Perform proper disposal of waste materials. **Documented Activities** Document the proper disposal of waste materials.	**Action** Perform proper disposal of waste materials. **Documented Activities** Document the proper disposal of waste materials.	**Action** Perform proper disposal of waste materials. **Documented Activities** Document the proper disposal of waste materials.	**Action** Perform proper disposal of waste materials. **Documented Activities** Document the proper disposal of waste materials.

Storm Water Management Program Best Management Practices

BMP ID	Best Management Practices	Responsible Department	Applicable Minimum Control Measure(s)*	FY 2007 - 2008 Measurable Goals	FY 2008 - 2009 Measurable Goals	FY 2009 - 2010 Measurable Goals	FY 2010 - 2011 Measurable Goals	FY 2011 - 2012 Measurable Goals
BMP 34	Municipal Operations and Industrial Activity	Public Works Environmental Services Parks and Recreation Utilities Animal Control	III.A.6. Pollution Prevention/Good Housekeeping (a)(3) fleet and building maintenance (a)(7) vehicle and equipment maintenance and storage yards (e) municipal operations and industrial activities	**Action** Evaluate municipal operations with the potential to impact storm water quality. **Documented Activities** Document the results of the evaluation. Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.	**Action** Identify the budget requirements to conduct assessments of the municipal operations and develop a plan for assessment. **Documented Activities** Document the budget requirements. Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.	**Action** Conduct assessments of municipal operations and develop recommendations for BMPs. **Documented Activities** Document the recommended BMPs and notify TCEQ in the annual report of BMP modifications and/or additions. Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.	**Action** Begin implementation of the BMPs identified through municipal operations assessments. **Documented Activities** Document the recommended BMPs and notify TCEQ in the annual report of BMP modifications and/or additions. Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.	**Action** Continue the implementation of the BMPs identified through municipal operations assessments. **Documented Activities** Document the recommended BMPs and notify TCEQ in the annual report of BMP modifications and/or additions. Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

Appendix B

BMPs by Regulatory Requirement

Storm Water Management Program BMPs By Permit Requirement

Public Education and Outreach Requirements	BMP ID	BMP Name
(a) A public education program must be developed and implemented to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the public. The MS4 operator may determine the most appropriate sections of the population at which to direct the program. The MS4 operator must consider the following groups and the SWMP shall provide justification for any listed group that is not included in the program: (1) residents; (2) visitors; (3) public service employees; (4) businesses; (5) commercial and industrial facilities; and (6) construction site personnel.	1 2 3 4 5 6 7 8 9 10 11	Utility Bill Insert / Educational Flyer Web Site Public Reference Storm Water Video Storm Drain Stenciling Classroom Education General Education of City Employees Education of Elected Officials and the Public Business, Commercial and Industrial Education Developer/Builder/Engineer Education and Training City Inspector Training
(b) The MS4 operator must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to demonstrate the amount of resources used to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2. of this general permit.	1 2 3 4 5 6 7 8 9 10 11	Utility Bill Insert / Educational Flyer Web Site Public Reference Storm Water Video Storm Drain Stenciling Classroom Education General Education of City Employees Education of Elected Officials and the Public Business, Commercial and Industrial Education Developer/Builder/Engineer Education and Training City Inspector Training

Storm Water Management Program BMPs By Permit Requirement

Public Involvement Requirements	BMP ID	BMP Name
The MS4 operator must, at a minimum, comply with any state and local public notice requirements when implementing a public involvement/participation program. It is recommended that the program include provisions to allow all members of the public within the small MS4 the opportunity to participate in SWMP development and implementation. Correctional facilities will not be required to implement this MCM.	5	Storm Drain Stenciling
	8	Education of Elected Officials and the Public
	12	Storm Water Hotline
	13	Bulk Waste Cleanup
	14	Household Hazardous Waste Collection Center
	15	Park Cleanup

Storm Water Management Program BMPs By Permit Requirement

Illicit Discharge Detection and Elimination System Requirements	BMP ID	BMP Name
(a) Illicit Discharges A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the small MS4. The SWMP must include the manner and process to be used to effectively prohibit illicit discharges. To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges. Elements must include: (1) Detection The SWMP must list the techniques used for detecting illicit discharges. (2) Elimination The SWMP must include appropriate actions and, to the extent allowable under state and local law, establish enforcement procedures for removing the source of an illicit discharge.	5 12 13 14 15 16 18 19	Storm Drain Stenciling Storm Water Hotline Bulk Waste Cleanup Household Hazardous Waste Collection Center Park Cleanup Illicit Discharge Prohibition/Elimination Ordinance Illicit Discharge Inspections Sanitary Sewer Line Maintenance and Inspection
(b) Allowable Non-Storm Water Discharges Non-storm water flows listed in Part II.B and Part VI.B. do not need to be considered by the MS4 operator as an illicit discharge requiring elimination unless the operator of the small MS4 or the executive director identifies the flow as a significant source of pollutants to the small MS4. In lieu of considering non-storm water sources on a case-by-case basis, the MS4 operator may develop a list of common and incidental non-storm water discharges that will not be addressed as illicit discharges requiring elimination. If developed, the listed sources must not be reasonably expected to be significant sources of pollutants either because of the nature of the discharge or the conditions that are established by the MS4 operator prior to accepting the discharge to the small MS4. If this list is developed, then all local controls and conditions established for these listed discharges must be described in the SWMP and any changes to the SWMP must be included in the annual report described in Part IV.B.2. of this general permit, and must meet the requirements of Part II.D.3. of the general permit.	16 18 19	Illicit Discharge Prohibition and Elimination Ordinance Illicit Discharge Inspections Sanitary Sewer Maintenance and Inspection

Storm Water Management Program BMPs By Permit Requirement

Illicit Discharge Detection and Elimination System Requirements	**BMP ID**	**BMP Name**
(c) Storm Sewer Map (1) A map of the storm sewer system must be developed and must include the following: (i) the location of all outfalls; (ii) the names and locations of all waters of the U.S. that receive discharges from the outfalls; and (iii) any additional information needed by the permittee to implement its SWMP. (2) The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls were verified and how the map will be regularly updated.	17	Storm Sewer System Map

Storm Water Management Program BMPs By Permit Requirement

Construction Site Runoff Control Requirements	BMP ID	BMP Name
The MS4 operator, to the extent allowable under State and local law, must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre or if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more of land. The MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from sites where the construction site operator has obtained a waiver from permit requirements under NPDES or TPDES construction permitting requirements based on a low potential for erosion. (a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and local law.	20	Erosion Control Ordinance and Requirements for Construction Site Contractors
(b) Requirements for construction site contractors to, at a minimum: (1) implement appropriate erosion and sediment control best management practices; and (2) control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;	10 20	Developer/Builder/Engineer Education and Training Erosion Control Ordinance and Requirements for Construction Site Contractors
(c) The MS4 operator must develop procedures for: (1) site plan review which incorporate consideration of potential water quality impacts; (2) receipt and consideration of information submitted by the public; and (3) site inspection and enforcement of control measures to the extent allowable under state and local law.	11 12 21 22 23	City Inspector Training Storm Water Hotline Site Plan Review Construction Site Inspection and Enforcement Receipt and Consideration of Information from Public for Construction Site Storm Water Runoff Control

Storm Water Management Program BMPs By Permit Requirement

Post-Construction Site Runoff Control Requirements	BMP ID	BMP Name
To the extent allowable under state and local law, the MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre of land, 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 or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. The permittee shall: (a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;	10	Developer/Builder/Engineer Education and Training
(b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law; and	10 24	Developer/Builder/Engineer Education and Training Post-Construction Storm Water Ordinance
(c) Ensure adequate long-term operation and maintenance of BMPs.	10 24 25 27 30	Developer/Builder/Engineer Education and Training Post-Construction Storm Water Ordinance Engineering Design Review Storm Sewer System Maintenance Structural Control Maintenance

Storm Water Management Program BMPs By Permit Requirement

Pollution Prevention/Good Housekeeping for Municipal Operations Requirements	**BMP ID**	**BMP Name**
A section within the SWMP must be developed to establish an operation and maintenance program, including an employee training component, that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. (a) Good Housekeeping and Best Management Practices Housekeeping measures and BMPs (which may include new or existing structural or non-structural controls) must be identified and either continued or implemented with the goal of preventing or reducing pollutant runoff from municipal operations. Examples of municipal operations and municipally owned areas include, but are not limited to: (1) park and open space maintenance; (2) street, road, or highway maintenance; (3) fleet and building maintenance; (4) storm water system maintenance; (5) new construction and land disturbances. (6) municipal parking lots; (7) vehicle and equipment maintenance and storage yards; (8) waste transfer stations; and (9) salt/sand storage locations.	11 26 27 28 29 30 31 34	City Inspector Training Herbicide, Pesticide, and Fertilizer Management Storm Sewer System Maintenance Street Sweeping Safe Material Storage Structural Control Maintenance Spill Response Municipal Operations and Industrial Activity

Storm Water Management Program BMPs By Permit Requirement

Pollution Prevention/Good Housekeeping for Municipal Operations Requirements	BMP ID	BMP Name
(b) Training A training program must be developed for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Materials may be developed, or obtained from EPA, states or other organizations and sources. Examples or descriptions of training materials being used must be included in the SWMP.	11 26 32	City Inspector Training Herbicide, Pesticide, and Fertilizer Management Employee Training
(c) Structural Control Maintenance If best management practices include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following: (1) maintenance activities; (2) maintenance schedules; and (3) long-term inspection procedures for controls used to reduce floatables and other pollutants.	30	Structural Control Maintenance
(d) Disposal of Waste Waste removed from the small MS4 and waste that is collected as a result of maintenance of storm water structural controls must be properly disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including: (1) dredge spoil; (2) accumulated sediments; and (3) floatables.	28 31 33	Street Sweeping Spill Response Disposal of Collected Storm Sewer System Waste

Storm Water Management Program BMPs By Permit Requirement

Pollution Prevention/Good Housekeeping for Municipal Operations Requirements	**BMP ID**	**BMP Name**
(e) Municipal Operations and Industrial Activities The SWMP must include a list of all: (1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and (2) municipally owned or operated industrial activities that are subject to TPDES industrial storm water regulations.	34	Municipal Operations and Industrial Activity

Appendix C

BMPs by Responsible City Department

Environmental Services

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Bulk Waste Cleanup	BMP 13
Household Hazardous Waste Collection Center	BMP 14
Employee Training	BMP 32
Municipal Operations and Industrial Activity	BMP 34

Planning and Development

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
City Inspector Training	BMP 11
Construction Site Inspection and Enforcement	BMP 22
Receipt and Consideration of Information from Public	BMP 23
Post-Construction Storm Water Ordinance	BMP 24

Fire Department

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Spill Response	BMP 31

Code Enforcement

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	**BMP Number**
Illicit Discharge Prohibition/Elimination Ordinance	BMP 16

Water Distribution

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Sanitary Sewer Line Maintenance and Inspection	BMP 19

Engineering

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Web Site	BMP 2
Public Reference	BMP 3
Education for Elected Officials and Public	BMP 8
Developer/ Builder/ Engineer Education and Training	BMP 10
City Inspector Training	BMP 11
Illicit Discharge Prohibition/ Elimination Ordinance	BMP 16
Storm Sewer System Map	BMP 17
Erosion Control Ordinance and Requirements for Construction Site Contractors	BMP 20
Site Plan Review	BMP 21
Construction Site Inspection and Enforcement	BMP 22
Post-Construction Storm Water Ordinance	BMP 24
Engineering Design Review	BMP 25
Employee Training	BMP 32

Public Works

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Utility Bill Insert/ Educational Flyer	BMP 1
Web Site	BMP 2
Public Reference	BMP 3
Storm Water Video	BMP 4
Storm Drain Stenciling	BMP 5
Classroom Education	BMP 6
General Education of City Employees	BMP 7
Education for Elected Officials and Public	BMP 8
Business, Commercial, and Industrial Education	BMP 9
Storm Water Hotline	BMP 12
Illicit Discharge Prohibition/ Elimination Ordinance	BMP 16
Illicit Discharge Inspections	BMP 18
Receipt and Consideration of Information from Public	BMP 23
Post-Construction Storm Water Ordinance	BMP 24
Storm Sewer System Maintenance	BMP 27
Street Sweeping	BMP 28
Responsible Material Storage	BMP 29
Structural Control Maintenance	BMP 30
Employee Training	BMP 32
Disposal of Collected Storm Sewer System Waste	BMP 33
Municipal Operations and Industrial Activity	BMP 34

GIS

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	**BMP Number**
Storm Sewer System Map	BMP 17

Building Inspectors

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	**BMP Number**
Erosion Control Ordinance and Requirements for Construction Site Contractors	BMP 20
Employee Training	BMP 32

Parks and Recreation

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Park Cleanup	BMP 15
Herbicide, Pesticide, and Fertilizer Management	BMP 26
Responsible Material Storage	BMP 29
Employee Training	BMP 32
Municipal Operations and Industrial Activity	BMP 34

Utilities

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	BMP Number
Responsible Material Storage	BMP 29
Employee Training	BMP 32
Municipal Operations and Industrial Activity	BMP 34

Animal Control

List of BMPs for Phase II MS4
Storm Water Management Program

Name of BMP	**BMP Number**
Municipal Operations and Industrial Activity	BMP 34

Appendix D

Individual BMP Descriptions

BMP 1 Utility Bill Insert / Educational Flyer

Description

Distribute educational material to residents via utility bill inserts. The inserts will include storm water education in general per the TCEQ general permit guidelines. Various inserts will also include information specifically relating to fertilizer, herbicide, and pesticide usage, proper disposal of household hazardous waste and oils, and other educational and participatory opportunities.

Recordkeeping

FY 2007 - 2008

- Develop an outline of the information to be communicated over a 5-year period.
- Identify budget requirements for BMP.

FY 2008 - 2012

- Distribute educational information as a utility bill insert one time per year.
- Document the amount of information distributed.

BMP 2 Web Site

Description

Develop storm water-related content for the City's web site. The web site will include storm water education information. The web site will provide specific information regarding the City's TPDES Phase II program, educational and participatory opportunities, and links to other local, state, and national storm water-related web sites.

Recordkeeping

FY 2007 - 2008

- Develop storm water website concept.
- Identify budget requirements.
- Document the concept and the budget requirements.

FY 2008 - 2009

- Develop storm water-related content on the City's web site with information, links, and references for additional information.

FY 2009 - 2012

- Revise and update the storm water website as needed.
- Solicit input and feedback from the public for storm water quality issues and opportunities in the City.

BMP 3 Public Reference

Description

Provide educational material for reference at the public library, city hall, and other appropriate public places. Materials to be provided will include copies of educational materials used for other educational BMPs, access to The Colony's storm water website, information regarding The Colony's storm water program, and other miscellaneous storm water educational material as deemed appropriate.

Recordkeeping

FY 2007 - 2008

- Identify and research available storm water educational material for public educational use.
- Identify and document the budget requirements to conduct research, acquire existing educational material, and develop additional material, as necessary.

FY 2008 - 2012

- Acquire, develop and provide copies of educational materials at the Public Library and other public access locations, such as City Hall, as appropriate.
- Document the amount of information distributed.

BMP 4 Storm Water Video

Description

Acquire or develop storm water-related videos for display on The Colony's public access channel. Make copies of videos available for viewing or checkout at the public library. Utilize the video in conjunction with BMP 6 (Classroom Education) and will be made available to the School District for use in classroom education.

Recordkeeping

FY 2007 - 2008

- Begin acquisition or development of a storm water education video.
- Identify and document budget requirements to acquire or develop video(s).
- Develop schedule for number and airtimes of video presentations on public access channel.

FY 2008 - 2012

- Air storm water educational video(s) on the City's public access channel.
- Make video(s) available at public library.
- Utilize videos with BMP 8, as appropriate, to educate schoolchildren.
- Document the frequency of airing the educational video.

BMP 5 Storm Drain Stenciling

Description

Utilize volunteer effort to place storm drain markers on local storm drains in an effort to increase awareness and to prevent dumping into the storm drain system. Solicit assistance from the public to place storm drain markers.

Recordkeeping

FY 2007 - 2008

- Develop schedule to inventory and then mark each storm drain inlet in the city over the permit term with volunteer participation.
- Identify and document budget requirements to acquire drain markers, as well as recruit and coordinate volunteers.

FY 2008 - 2012

- Recruit volunteers for the placement of storm drain markers.
- Track and document the location of placed markers and use of volunteer effort.

BMP 6 Classroom Education

Description

Provide classroom education and curriculum materials to the School District. Materials and curriculum will be assessed and selected from existing, readily available programs, and through discussions with the School District staff.

Recordkeeping

FY 2007 - 2008

- Coordinate with the School District to determine feasibility of providing storm water education curriculum.
- Identify and document budgeting requirements and resource needs.

FY 2008 - 2012

- Provide storm water education curriculum and material as determined by coordination meetings with the School District in Year 1.
- Document the amount of materials provided.

BMP 7 General Education of City Employees

Description

City employees will receive storm water education on general storm water protection topics. Employees with job responsibilities with potential storm water impacts will receive additional job-specific training, as appropriate, for storm water protection.

Recordkeeping

FY 2007 - 2008

- Identify and research available storm water educational material for public employees.
- Determine methods to provide education to employees.
- Identify and document the budget requirements to conduct research, acquire existing educational material, and develop additional material, as necessary.

FY 2008 - 2012

- Conduct employee education during regularly scheduled "key-up" meetings a minimum of once per year.
- Document the number of educational meetings.

BMP 8 Education for Elected Officials and Public

Description

City elected officials and the public will receive storm water education on general storm water topics, as well as an overview of the Phase II MS4 permit requirements.

Recordkeeping

FY 2007 - 2012

- Provide overview of Phase II MS4 permit requirements and annual updates of implementation progress.
- Conduct a minimum of one open meeting per year.
- Document the number of meetings per year.

BMP 9 Business, Commercial and Industrial Education

Description

Develop a partnership program for providing educational material to The Colony's businesses, including commercial and industrial facilities.

Recordkeeping

FY 2007 - 2008

- Identify methods of communication about storm water issues with local businesses, such as through mailers, the Chamber of Commerce, etc.
- Identify and document the budget requirements and appropriate plan to effectively educate businesses about their potential storm water impacts and methods to minimize storm water pollution.
- Evaluate the feasibility of sending letters or fliers in utility bills to each business within The Colony at least once. The letters would provide information on The Colony's storm water program and would solicit feedback from the business community.

2008 - 2011

- Distribute educational information to local businesses a minimum of one time by the method(s) determined in Year 1.
- Solicit feedback and revise program if appropriate.
- Document the number of businesses receiving educational information.

BMP 10 Developer/Builder/Engineer Education and Training

Description

Provide educational material to the development community and offer training opportunities.

Recordkeeping

FY 2007 - 2008

- Develop cooperative program with developers, builders, and engineers to provide education about erosion control requirements and best practices.
- Develop an information packet specific to storm water protection measures for developers, builders, and engineers to be distributed upon request and for new construction projects.

FY 2008 - 2012

- Provide educational material and/or training during at least once with builders, once with developers, and once with engineers that are active in The Colony.
- Provide developers, builders, and engineers with the opportunity to participate in construction site erosion control training periodically.
- Document the number of individuals trained in erosion control, and if applicable, the number of educational materials distributed.

BMP 11 City Inspector Training

Description

Continue to train City construction site inspectors for erosion control protection.

Recordkeeping

FY 2007 - 2008

- Evaluate existing site inspection training program and determine the need for additional training or a formalized erosion control inspection program.
- Identify a program to track and document the training of individual inspectors.
- Identify and document the budget requirements for the inspector-training program.

FY 2008 - 2012

- Provide appropriate construction site erosion control training to inspection personnel.
- Provide appropriate training for new inspectors prior to them conducting unassisted site inspections.
- Document the number of individuals trained.

BMP 12 Storm Water Hotline

Description

Develop and advertise a storm water hotline to solicit information related to illicit discharges and illegal dumping, complaints, and general comments regarding The Colony's storm water management program.

Recordkeeping

FY 2007 - 2008

- Develop plan for storm water hotline program through Public Works Department.
- Identify procedures for receiving calls, routing calls to appropriate personnel for proper response, and documenting subject of call for future analysis.
- Identify and document the budget requirements for storm water hotline.

FY 2008 – 2009

- Coordinate with surrounding communities and NCTCOG to finalize a plan for implementing the storm water hotline.
- Document the implementation plan.

FY 2009 - 2010

- Establish the storm water hotline and educate the public about its availability through various Public Education BMPs.
- Conduct annual review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for hotline improvement, and areas requiring additional educational or enforcement effort to protect storm water quality.
- Document the number of calls received.
- Document nature of call, location of reported complaint, if applicable.

FY 2009-2012

- Continue to educate the public about the existence of the storm water hotline through various Public Education BMPs.
- Continue documenting each call, dispatching to appropriate department for proper response.
- Conduct annual review of calls to identify trends (i.e., repeated reports of illegal dumping in certain areas of the City), general needs for hotline improvement, and areas requiring additional educational or enforcement effort to protect storm water quality.

BMP 13 Bulk Waste Cleanup

Description

Continue The Colony's existing volunteer trash cleanup program to reduce floatables and other debris that pollute the storm water system and receiving waters.

Recordkeeping

FY 2007 - 2008

- Continue sponsoring The Colony's existing volunteer cleanup program a minimum of once per year.
- Evaluate opportunities, public receptiveness, and budgetary requirements for additional trash cleanup events.
- Document the number of cleanup events taken place.

FY 2008 - 2012

- Continue existing trash cleanup activities.
- Implement additional activities identified, if any.
- Document the number of cleanup events taken place.

BMP 14 Household Hazardous Waste Collection Center

Description

Continue operation of The Colony Friends of the Environment (SAFE) recycling center to collect household wastes.

Recordkeeping

FY 2007 - 2008

- Continue to conduct annual household hazardous waste collection center collection program.
- Evaluate opportunities, public receptiveness, and costs for expanding list of chemical collected by SAFE recycling center.
- Develop and document the four-year plan to educate the public about household hazardous waste collection options and proper disposal practices.
- Document amount and type of household hazardous waste collected.

FY 2008 - 2009

- Continue to conduct annual household hazardous waste collection center collection program.
- Develop and document the plan for expanded public use of recycling center through acceptance of more household hazardous waste products, if determined to be financially feasible, and continued education.
- Document the number of educational events.
- Document amount and type of household hazardous waste collected.

FY 2009 - 2012

- Continue to conduct annual household hazardous waste collection center collection program.
- Conduct a minimum of four educational efforts per year to encourage public use of the center and household hazardous waste collection center.
- Use available media options, such as utility bill inserts, the City's web site, print, television and radio media, the public access channel, public meetings, and other methods.
- Document the number and type of educational events.
- Document amount and type of household hazardous waste collected.

BMP 15 Park Cleanup

Description

Volunteer effort to maintain parks and minimize trash debris and animal waste

Recordkeeping

FY 2007 - 2008

- Evaluate success of existing program by identifying number of potential Park Cleanup locations, the number of actual Park Cleanup locations, and the number of successful Park Cleanup locations.
- Document the number of cleaning events.

FY 2008-2012

- Conduct cleaning once per year for selected parks.
- Document the number of cleaning events.

BMP 16 Illicit Discharge Prohibition/Elimination Ordinance

Description

Ordinance that prohibits and requires elimination of non-storm water discharges that significantly contribute pollutants to the municipal storm sewer system.

Recordkeeping

FY 2007 - 2008

- Determine need for additional ordinance requirements to meet this minimum control measure through review of existing ordinances.
- Identify and document the methods and budget requirements to enforce ordinance requirements.

FY 2008 - 2009

- Draft revised/new ordinance, if necessary, for public review and comment. Solicit input from the public for the draft ordinance.

FY 2009 - 2010

- Issue final ordinance.
- Conduct education activities to inform the public about the new ordinance requirements.
- Begin education-focused enforcement of ordinance.
- Document instances of such enforcement and action taken to eliminate illicit discharge.

FY 2010 - 2011

- Continue education-focused enforcement of new ordinance requirements.
- Document instances of such enforcement and action taken to eliminate illicit discharge.

FY 2011 - 2012

- Begin penalty-based enforcement of illicit discharge ordinance.
- Document instances of such enforcement and action taken to eliminate illicit discharge.

BMP 17 Storm Sewer System Map

Description

Develop a storm sewer map in accordance with TCEQ requirements.
Update the City's storm sewer system map as needed to record new pipes/systems created by new development.

Recordkeeping

FY 2007 - 2008

- Collect existing mapping information for the storm sewer system.
- Develop and document the plan and budget requirements for effort necessary to identify regulated storm water outfalls and drainage areas or system features.

FY 2008 - 2009

- Begin identification of regulated storm water outfalls in the City.
- Document the number identified.

FY 2009 - 2010

- Complete identification of regulated storm water outfalls in the City.
- Document the total number of outfalls.

FY 2010 - 2011

- Begin developing a map of storm water outfall drainage areas or system features for the City.
- Document the percent mapped.

FY 2011 - 2012

- Complete a map of storm water outfall drainage areas or system features for the City.
- Document the percent mapped.

BMP18 Illicit Discharge Inspections

Description

Conduct inspections of the storm sewer system to identify the presence and sources of illicit connections and illegal dumping activities.

Recordkeeping

FY 2007 - 2008

- Develop plan to inspect the storm sewer system for illicit connections, illegal dumping, and dry weather discharges.
- Identify inspection staff, inspection schedule, and training procedures.
- Identify budget requirements for illicit discharge inspections.
- Document an illicit discharge inspection plan, including a schedule to train staff, inspect the storm system for illicit discharges, and procedures to conduct inspections and respond to discovered discharges.

FY 2008 - 2009

- Begin training personnel in illicit discharge detection procedures.
- Establish procedure to eliminate detected illicit discharges.
- Document training and procedures to eliminate detected illicit discharges.

FY 2009 - 2010

- Complete training of personnel in illicit discharge detection procedures.
- Begin conducting illicit discharge inspections for the City's regulated outfalls.
- Document outfalls screened, observations made, and corrective actions taken, if any.

FY 2010 - 2011

- Continue conducting illicit discharge inspections for the City's regulated outfalls.
- Document outfalls screened, observations made, and corrective actions taken, if any.

FY 2011 - 2012

- Continue conducting illicit discharge inspections for the City's regulated outfalls.
- Document outfalls screened, observations made, and corrective actions taken, if any.

BMP 19 Sanitary Sewer Line Maintenance and Inspection

Description

Conduct an evaluation to develop a plan to identify potential cross-connections with the City's storm sewer system.

Recordkeeping

FY 2007 - 2008

- Evaluate and identify a plan to conduct sanitary sewer inspections.
- Document the plan to conduct sanitary sewer inspections.
- Identify budget requirements for sanitary sewer inspections.
- Document the budget requirements.

FY 2008 - 2009

- Begin implementation of sanitary sewer inspection procedures.
- Document the number and location of lines inspected each year.

FY 2009- 2012

- Conduct sanitary sewer inspections in accordance with the sanitary sewer inspections plan.
- Document the number and location of lines inspected each year.
- Document the nature of each identified corrective action needed.

BMP 20 Erosion Control Ordinance and Requirements for Construction Site Contractors

Description

Ordinance prohibiting the unauthorized discharge of polluted storm water to the MS4 from construction sites one acre or greater in size. Construction site contractors are required to implement appropriate erosion and sediment control BMPs and to control waste, such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste that may adversely affect storm water quality.

Recordkeeping

FY 2007 - 2008

- Evaluate the City's existing ordinances to identify adequacy of erosion control requirements and enforcement mechanisms in meeting the permit requirements.
- Identify budget requirements to update the ordinance, if necessary to meet the MS4 permit requirements.

FY 2008 - 2009

- Develop modified/updated draft ordinance, if necessary, to meet permit conditions.
- Provide to regulated community for review and input.

FY 2009 - 2010

- Issue final ordinance.
- Conduct education activities to inform the public about the new ordinance requirements.
- Begin education-focused enforcement of ordinance.
- Document the number of education activities and instances of enforcement and action taken to eliminate unauthorized discharges.

FY 2010 - 2011

- Begin penalty-based enforcement of illicit discharge ordinance.
- Document the number of education activities and instances of enforcement and action taken to eliminate unauthorized discharges.

FY 2011 - 2012

- Continue to enforce illicit discharge ordinance.
- Document the number of education activities and instances of such enforcement and action taken to eliminate unauthorized discharges.

BMP 21 Site Plan Review

Description

Procedure to review erosion control plans for construction projects that may discharge runoff to the storm sewer system.

Recordkeeping

FY 2007 - 2008

- Evaluate existing plan review procedures for compliance with permit requirements.
- Identify modifications necessary to the procedures needed to achieve compliance with the permit conditions.
- Document the updated plan review procedures

FY 2008 - 2009

- Revise plan review procedures, if necessary, to include adequate consideration of potential storm water quality impacts.
- Educate the public about new plan review procedures.
- Document the methods used to educate the public about site plan review procedures**.**

FY 2009 - 2010

- Continue to conduct plan reviews and update procedures to meet new ordinance requirements.
- Document the number of site plans reviewed.

FY 2010 - 2012

- Continue to conduct plan reviews.
- Document the number of site plans reviewed.

BMP 22 Construction Site Inspection and Enforcement

Description

Procedures to conduct construction site inspections and maintain enforcement of control measures to protect storm water quality.

Recordkeeping

FY 2007 - 2008

- Evaluate existing site inspection procedures for compliance with permit requirements.
- Identify modifications necessary to the procedures to achieve compliance with the permit conditions.
- Identify budget requirements for erosion control site inspections, documentation, and tracking.
- Document the updated site inspection procedures and budget requirements.

FY 2008 - 2009

- Revise site inspection procedures, if necessary, to include documented inspection of erosion control measures.
- Educate the public about new site inspection procedures.
- Document the method of educating the public on new site inspection procedures.

FY 2009 - 2012

- Continue to conduct erosion control site inspections.
- Document inspections, instances of enforcement activity, and reason(s) for non-compliance.
- Document corrective action taken to protect storm water quality.

BMP 23 Receipt and Consideration of Information from Public for Construction Site Storm Water Runoff

Description

Develop and implement a program for the receipt and consideration of public information regarding erosion control.

Recordkeeping

FY 2007 - 2008

- Develop a system for receiving, considering, and tracking information from the public for construction site activities.
- Identify budget requirements to implement the system.
- Document the written procedures and budget requirements.

FY 2008 - 2009

- Implement procedures to receive and consider public comments.
- Educate the public about the mechanisms needed to make comments or submittals.
- Document comments received and methods of educating public.

FY 2009 - 2012

- Continue to refine procedures.
- Educate the public about the mechanisms needed to make comments or submittals.
- Document comments received and methods of educating public.

BMP 24 Post-Construction Storm Water Ordinance

Description

Review and update the City's ordinance requirements to require adequate long-term maintenance and protection of storm water quality in new and redeveloped areas.

Recordkeeping

FY 2007 - 2008

- Review the City's existing ordinance to identify if additional language is necessary to meet the Phase II MS4 post-construction requirements.
- Identify and document the budget requirements to revise and update the ordinance to meet the permit conditions.

FY 2008 - 2009

- Draft a revised storm water ordinance for post-construction requirements, if necessary, and make available for public review and input.
- Complete the draft post-construction storm water ordinance, and document the method for eliciting public review and input on the draft.

FY 2009 - 2010

- Facilitate implementation of the new ordinance requirements (if revised) by educating the public and enforcing the requirements.
- Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.

FY 2010 - 2011

- Issue final ordinance.
- Conduct education activities to inform the public about the new ordinance requirements.
- Begin education-focused enforcement of ordinance.
- Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.

FY 2011 - 2012

- Continue education-focused enforcement of new ordinance requirements.
- Document the number of education activities, instances of enforcement, and action taken to eliminate unauthorized discharges.

BMP 25 Engineering Design Review

Description

Continue existing design review process to evaluate plans for adequate protection of storm water through the development of erosion control plans.

Recordkeeping

FY 2007 - 2012

- Continue existing design review process of all planned construction projects at least one acre in size to verify compliance with the long-term protective maintenance requirements for new and redeveloped areas to protect storm water quality.
- Document the number of sites reviewed.

BMP 26 Herbicide, Pesticide, and Fertilizer Management

Description

Continue existing herbicide, pesticide and fertilizer management program.

Recordkeeping

FY 2007 - 2012

- Continue implementation of The Colony's existing herbicide and pesticide management program.
- Evaluate appropriateness of program every two years.
- Provide and document refresher training for herbicide and pesticide applicators at least every three years.
- Document the number of individuals trained.

BMP 27 Storm Sewer System Maintenance

Description

Remove floatables, sediment, and other debris from the storm sewer system to reduce storm water pollution and minimize drainage impediments.

Recordkeeping

FY 2007 - 2008

- Develop and document a schedule to conduct visual inspections of the City's storm sewer system and evaluate the need for maintenance.
- Develop a system to monitor and track storm sewer maintenance activities.
- Clean system as needed in response to complaints or reported problems.
- Identify and document the budget requirements to perform routine maintenance on the storm sewer system.

FY 2008 - 2009

- Implement the inspection schedule.
- Perform maintenance as necessary.
- Clean system as needed in response to complaints or reported problems.
- Document areas inspected, observations made, problems reported, and maintenance performed.

FY 2009 - 2012

- Continue to implement the inspection schedule.
- Perform maintenance as necessary.
- Clean system as needed in response to complaints or reported problems.
- Document areas inspected, observations made, problems reported, and maintenance performed.

BMP 28 Street Sweeping

Description

Continue existing street sweeping program.

Recordkeeping

FY 2007 - 2008

- Evaluate feasibility of street sweeping program for City streets.
- Develop and document a schedule for street sweeping activities.
- Identify and document the budget requirements for street sweeping program.

FY 2008 - 2010

- Implement base level street sweeping program with existing equipment.
- Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.

FY 2010 - 2011

- Evaluate additional street sweeping equipment necessary for enhanced street sweeping program.
- Implement enhanced street sweeping program.
- Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.

FY 2011- 2012

- Continue enhanced street sweeping program.
- Document schedule for street sweeping activities, volume of waste collected, and method of waste disposal.

BMP 29 Responsible Material Storage

Description

Continue existing material storage management program.

Recordkeeping

FY 2007 - 2008

- Continue protective practices of existing material storage for road materials stockpiles.
- Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary.
- Document the results of the evaluation on effectiveness, the identified municipal potential pollutants, and the identified facilities storing raw materials

FY 2008-2012

- Continue protective practices of existing material storage for road materials stockpiles.
- Evaluate effectiveness of practices each year, document results of evaluation, and identify recommendations for improvements, if necessary.
- Implement material management protocols.
- Evaluate materials management program.
- Update procedures as needed.
- Implement raw materials management procedures.
- Train City personnel.
- Evaluate materials management program.
- Document the implemented protocols, the implemented management procedures, and the numbers of city personnel undergoing training.

BMP 30 Structural Control Maintenance

Description

No structural controls have been identified under the current SWMP. However, additional structural controls may be identified during the permit term. Maintenance activities, schedules, and inspection procedures will be identified and incorporated into the SWMP at that time as appropriate.

Recordkeeping

FY 2007 - 2008

- Evaluate the municipal storm sewer system for the need for structural controls.
- Identify budget requirements for necessary controls.
- Establish procedures to monitor public maintenance of structural controls through documented inspection.
- Document the evaluation, inspection, and maintenance activities related to structural controls.

FY 2008 - 2009

- Continue to evaluate the municipal storm sewer system for the need for structural controls.
- Identify budget requirements for new controls.
- Implement controls to monitor public maintenance of structural controls through documented inspection.
- Document the evaluation, inspection, and maintenance activities related to structural controls.

FY 2009 - 2010

- Continue to evaluate the municipal storm sewer system for the need for structural controls.
- Identify budget requirements for new controls.
- Establish controls to monitor private industry structural control maintenance (documentation records) and continue to monitor public maintenance of structural controls through documented inspection.
- Document the evaluation, inspection, and maintenance activities related to structural controls.

FY 2010 - 2011

- Continue to evaluate the municipal storm sewer system for the need for structural

controls.

- Identify budget requirements for new controls.
- Implement controls to monitor private industry structural control maintenance (documentation records) and continue to monitor public maintenance of structural controls through documented inspection.
- Document the evaluation, inspection, and maintenance activities related to structural controls.

FY 2011 - 2012

- Continue to evaluate the municipal storm sewer system for the need for structural controls.
- Identify budget requirements for new controls.
- Continue to monitor private industry structural control maintenance (documentation records) and public maintenance of structural controls through documented inspection.
- Document the evaluation, inspection, and maintenance activities related to structural controls.

BMP 31 Spill Response

Description

Continue implementation of existing spill response procedures and training.

Recordkeeping

FY 2007 - 2012

- Review existing spill response procedures to identify adequacy of measures to protect water quality.
- Continue implementation of existing spill response procedures and documented training through The Colony Fire Department.
- Document spill response events.
- Document training for spill response personnel.
- Document recommended updates to spill response procedure and update spill response procedure each following year.

BMP 32 Employee Training

Description

Conduct good housekeeping and pollution prevention training as part of existing employee training programs. Tailor training to practices of employees that have the potential to impact storm water quality.

Recordkeeping

FY 2007 - 2008

- Identify municipal operations in which activities have the potential to impact storm water.
- Identify effort and method necessary to properly train affected employees.
- Develop and document the budget requirements for employee training program.

FY 2008 - 2009

- Begin conducting BMP training for the municipal employees responsible for activities that may impact storm water quality.
- Document the training of city personnel.

FY 2009 - 2012

- Continue conducting BMP training for the municipal employees responsible for activities that may impact storm water quality.
- Document the training of city personnel.

BMP 33 Disposal of Collected Storm Sewer System Waste

Description

Dredge soil, accumulated sediment, and floatables collected through the implementation of storm sewer maintenance activities, street sweeping activities, and other routine City operations will be disposed of properly. Disposal of such materials will be tracked in conjunction with tracking efforts for the implementation of the individual BMPs.

Recordkeeping

FY 2007 - 2008

- Identify sources of waste requiring disposal as part of storm water management program activities.
- Identify proper methods for handling and disposal of waste materials.
- Develop and document the budget requirements for waste handling and disposal.
- Document the proper disposal of waste materials.

FY 2008 - 2012

- Document the proper disposal of waste materials.

BMP 34 Municipal Operations and Industrial Activity

Description

General evaluation of the municipal operations that have a potential to adversely impact storm water quality.

Recordkeeping

FY 2007 - 2008

- Evaluate municipal operations with the potential to impact storm water quality.
- Document the results of the evaluation.
- Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

FY 2008 - 2009

- Identify the budget requirements to conduct assessments of the municipal operations and develop a plan for assessment.
- Document the budget requirements.
- Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

FY 2009 – 2010

- Conduct assessments of municipal operations and develop recommendations for BMPs.
- Document the recommended BMPs and notify TCEQ in the annual report of BMP modifications and/or additions.
- Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

FY 2010 – 2011

- Begin implementation of the BMPs identified through municipal operations assessments.
- Document the recommended BMPs and notify TCEQ in the annual report of BMP modifications and/or additions.
- Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

FY 2011– 2012

- Continue the implementation of the BMPs identified through municipal operations assessments.
- Document the recommended BMPs and notify TCEQ in the annual report of BMP

modifications and/or additions.

- Document all City-owned facilities required to comply with the TCEQ Industrial Storm Water Permit.

Appendix E

Blank BMP Annual Report Forms

Best Management Practice Form
Annual Report

BMP:_____ **BMP ID:**_____

Permit reporting period:

Date:_____

Department:_____

Department Contact:_____

Measurable goals for report period:

Were actual activities toward measurable goals different from scheduled goals/activities?
_____Yes _____No

If yes, document purpose and nature of alteration in measurable goals:

Next permit reporting period:_____

Measurable goals for reporting period:

Have measurable goals for the next reporting period (or later) been modified?
_____Yes _____No

If yes, document purpose and nature of alteration in measurable goals:

Attach supporting documentation that demonstrates compliance with the measurable goals for this BMP. Examples of documentation include inspection reports, maintenance records, call logs, and other related information. See the appropriate reporting period for the BMP's measurable goal for assistance determining the proper supporting documentation.

Appendix F

Copy of Storm Water Permit Authorization for City-owned Facilities

Appendix G

TPDES Phase II MS4 General Permit

TCEQ Docket No. 2006-0428-WQ
TPDES GENERAL PERMIT
No. TXR040000

This is a new general permit issued pursuant to Section 26.040 of the Texas Water Code and Section 402 of the Clean Water Act.

Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

GENERAL PERMIT TO DISCHARGE UNDER THE
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Small Municipal Separate Storm Sewer Systems

located in the state of Texas

may discharge directly to surface water in the state

only according to monitoring requirements and other 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 Commission of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of storm water and certain non-storm water 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 date of issuance.

ISSUED AND EFFECTIVE DATE: AUG 13 2007

Kathleen H White
For the Commission

TCEQ GENERAL PERMIT NUMBER TXR040000
RELATING TO STORM WATER DISCHARGES ASSOCIATED WITH
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS

Table of Contents

Part I. Definitions and Terminology

A. Definitions

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

Classified Segment - refers to a water body that is listed and described in Appendix A or Appendix C of the Texas Surface Water Quality Standards, at 30 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 Site Operator - The person or persons associated with a small or large construction project that meets either of the following two criteria:

(a) the person or persons 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 person or persons that have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the Storm Water Pollution Prevention Plan or comply with other permit conditions).

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

Daily Maximum - For the purposes of compliance with the numeric effluent limitations contained in this permit, this is the maximum concentration measured on a single day, by grab sample, within a period of one calendar year.

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.

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

(a) All soil disturbing activities at the site have been completed and a uniform (e.g, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% 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 (e.g. 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.

Ground Water 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.

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 storm water, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency fire fighting activities.

Indian Country - Defined in 18 USC Section (§) 1151, means (a) all land within the limits of any Indian reservation under the jurisdiction of the United States 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 United States 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.

Industrial Activities - manufacturing, processing, material storage, and waste material disposal areas (and similar areas where storm water can contact industrial pollutants related to the industrial activity) at an industrial facility described by the TPDES Multi Sector General Permit, TXR050000, or by another TCEQ or TPDES permit.

Large Construction Activity - Construction activities including clearing, grading, and excavating that result 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. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Large construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

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

MS4 Operator – For the purpose of this permit, the public entity, and/ 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.

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

Notice of Intent (NOI) - A written submission to the executive director from an applicant requesting coverage under 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 - For the purpose of this permit, a point source at the point where a municipal separate storm sewer discharges to waters of the United States (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.

Permittee - The MS4 operator authorized under this general permit.

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

Point Source - (from 40 CFR § 122.22) any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, 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 storm water runoff.

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 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.

Small Construction Activity - Construction activities including clearing, grading, and excavating that result 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. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Small construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Small Municipal Separate Storm Sewer System (MS4) – refers to a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by the United States, a state, city, town, borough, county, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under § 208 of the CWA; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; (iv) Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR § 122.2; and (v) Which was not previously authorized under a NPDES or TPDES individual permit as a medium or large municipal separate storm sewer system, as defined at 40 CFR §§122.26(b)(4) and (b)(7). This term includes systems similar to separate storm sewer systems at military bases, large hospital 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 an MS4 that is also operated by that public entity.

Storm Water and Storm Water Runoff - Rainfall runoff, snow melt runoff, and surface runoff and drainage.

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

Storm Water 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 storm water runoff. Structural controls and practices may include but are not limited to: wet ponds, bioretention, infiltration basins, storm water 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.

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

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

(a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

(b) all interstate waters, including interstate wetlands;

(c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

  (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;

  (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

  (3) which are used or could be used for industrial purposes by industries in interstate commerce;

(d) all impoundments of waters otherwise defined as waters of the United States under this definition;

(e) tributaries of waters identified in paragraphs (a) through (d) of this definition;

(f) the territorial sea; and

(g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of 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 United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States 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 Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

B. Commonly Used Acronyms

BMP	Best Management Practice
CFR	Code of Federal Regulations
CGP	Construction General Permit, TXR150000
CWA	Clean Water Act
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency
FR	Federal Register
IP	Implementation Procedures
MCM	Minimum Control Measure
MSGP	Multi-Sector General Permit, TXR050000
MS4	Municipal Separate Storm Sewer System
NOC	Notice of Change
NOD	Notice of Deficiency
NOI	Notice of Intent
NOT	Notice of Termination (to terminate coverage under a general permit)
NPDES	National Pollutant Discharge Elimination System
SWMP	Storm Water Management Program

SWP3, SWPPP	Storm Water Pollution Prevention Plan
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TPDES	Texas Pollutant Discharge Elimination System
TWC	Texas Water Code

Part II. Permit Applicability and Coverage

This general permit provides authorization for storm water and certain non-storm water 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.

A. Small MS4s Eligible for Authorization by General Permit

1. Small MS4s Located in an Urbanized Area

   A small MS4 that is fully or partially located within an urbanized area, as determined by the 2000 Decennial Census by the U.S. Bureau of Census, must obtain authorization for the discharge of storm water runoff and is eligible for coverage under this general permit.

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, Texas Administrative Code (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 storm water permit within 180 days of notification of their designation.

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 urbanized area, as well as any portion of the small MS4 that is designated.

B. Allowable Non-Storm Water Discharges

The following non-storm water 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:

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;

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;

14. street wash water;

15. 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);

16. other allowable non-storm water discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);

17. non-storm water discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) or the TPDES Construction General permit (CGP); and

18. other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these discharges.

C. 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 Storm Water Mixed with Non-Storm Water

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

3. Compliance with Water Quality Standards

Discharges to surface water in the state that would 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. 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 a violation of water quality standards or is found 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 considering factors described in Part II.E.2.

4. Discharges to Water Quality-Impaired Receiving Waters

New sources or new discharges of the constituent(s) of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standard(s) and are listed on the Clean Water Act § 303(d) list. Constituents of concern are those for which the water body is listed as impaired.

Discharges of the constituent(s) of concern to impaired water bodies for which there is a TMDL implementation plan are not eligible for this general permit unless they are consistent with the approved TMDL and the implementation plan. Permitted MS4 operators must incorporate the limitations, conditions and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules, into their SWMP in order to be eligible for permit coverage. For discharges not eligible for coverage under this general permit, the discharger must apply for and receive an individual TPDES permit prior to discharging.

5. Discharges to the Edwards Aquifer Recharge Zone

Discharges of storm water from regulated small MS4s, and other non-storm water discharges, can not be authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer). 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 under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water 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 storm water runoff are in addition to the effluent limitation requirements found in Part VI.D. of this general permit. A copy of the agency-approved Water Pollution Abatement Plans that are required by the Edwards Aquifer Rule must either be attached as a part of the SWMP or referenced in the SWMP. For discharges located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties:	Contact:
Comal, Bexar, Medina, Uvalde, and Kinney	TCEQ Water Program Manager San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 (210) 490-3096
Williamson, Travis, and Hays	TCEQ Water Program Manager Austin Regional Office 1921 Cedar Bend Drive, Suite 150 Austin, Texas 78758-5336 (512) 339-2929

6. Discharges to Specific Watersheds and Water Quality Areas

Discharges of storm water from regulated small MS4s and other non-storm water discharges can not be 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

Storm water runoff from MS4s or construction activities occurring 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 storm water require authorization under federal NPDES regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA).

9. 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).

D. Obtaining Authorization

1. Application for Coverage

When submitting an NOI and Storm Water Management Program (SWMP) as described in Parts II.D.3., II.D.4, and Part III for coverage under this general permit, the applicant must follow the public notice and availability requirements found in Part II.D.12. of this section.

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. 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.D.12. 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 and/or SWMP are incomplete and deny coverage until a complete NOI and/or SWMP are submitted, 3) approve the NOI and/or 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. 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 an Urbanized Area

Operators of small MS4s described in Part II.A.1 must submit an NOI and SWMP within 180 days following the effective date of this general permit.

(b) Designated Small MS4s

Operators of small MS4s described in Part II.A.2 must submit an NOI and SWMP within 180 days of being notified in writing by the TCEQ of the need to obtain permit coverage.

2. Late Submission of the NOI and SWMP

An NOI and SWMP are not prohibited from being submitted late or after the deadlines provided. If a late NOI and SWMP is submitted, authorization is 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. Storm Water Management Program (SWMP)

A SWMP must be developed and submitted with the NOI for eligible discharges that will reach waters of the United States (U.S.), including discharges from the regulated small MS4 to other MS4s or 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 and submitted with the NOI. The SWMP must include a time line that demonstrates a schedule for implementation of the program throughout the permit term. The program must be completely implemented within five years of the issuance date of this general permit, or within five years of being designated for those small MS4s which are designated following permit issuance. Implementation of the SWMP is required immediately following receipt of written authorization from the TCEQ.

Changes may be made to the SWMP during the permit term. 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 written approval of the changes from the TCEQ, except that written approval is not required for the following changes:

(a) Adding components, controls, or requirements to the SWMP; or replacing a BMP with an equivalent BMP, may be made by the permittee at any time upon submittal of a notice of change (NOC) form to the address specified on the form to the TCEQ.

(b) Replacing a less effective or infeasible BMP specifically identified in the SWMP with an alternate BMP may be requested at any time. Changes must be submitted on

an NOC form to the address specified on the form. Unless denied in writing by the TCEQ, the change shall be considered approved and may be implemented by the permittee 60 days from submitting the request. 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 why the replacement BMP is expected to achieve the goals of the replaced BMP.

4. Contents of the NOI

The NOI must contain the following minimum information:

(a) MS4 Operator Information

(1) the name, mailing address, telephone number, and fax number of the MS4 operator; and

(2) the legal status of the MS4 operator (e.g., 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) if the applicant develops a seventh minimum control measure to obtain authorization for construction activities, the boundary within which those activities will occur;

(5) the name, mailing address, telephone number, and fax number of the designated person(s) responsible for implementing or coordinating implementation of the SWMP;

(6) a certification that a SWMP has been developed according to the provisions of this permit;

(7) a statement that the applicant will comply with the Public Participation requirements described in Part II.D.12.;

(8) 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 shall be identified;

(9) the name of any MS4 receiving the discharge prior to discharge into surface water in the state; and

(10) 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.

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

6. Change in Operational Control of a Small MS4

If the operational control of the regulated small MS4 changes, the present operator must submit a Notice of Termination (NOT) and the new operator must submit a NOI and SWMP. The NOT and NOI must be submitted concurrently no greater than 10 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. If TCEQ provides for electronic submission of NOTs during the term of this permit, authorization to discharge terminates 24 hours following confirmation of receipt of the electronic NOT form by the TCEQ. An 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 must be submitted with each NOI. A fee is not required for submission of a waiver form, an NOT, or an NOC.

A permittee authorized under this general permit must pay an annual Water Quality fee of $100 under Texas Water Code, § 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 years from the date of issuance. Authorizations for discharge under the provisions of this general permit may 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 commission for an additional term or terms not to exceed five years.

(b) If the Executive Director proposes to reissue this general permit before the expiration date, the general permit shall remain in effect after the expiration date for those existing discharges covered by the general permit in accordance with 30 TAC, Chapter 205. The general permit shall remain in effect for these dischargers until the date on which the commission takes final action on the proposal to reissue this general permit. No new NOIs will be accepted and no new authorizations will be processed under the general permit after the expiration date.

(c) Upon 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.

(d) If the commission 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, 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 Participation

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

(a) The applicant must submit the NOI and a SWMP to the executive director.

(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 determination on the NOI and SWMP.

(c) The notice must include:

(1) the legal name of the MS4 operator;

(2) identify whether the NOI is for a new small MS4 or is a renewal of an existing operation;

(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 the newspaper of largest circulation in the county where the small MS4 is located. If the small MS4 is located in multiple counties, the notice must be published at least once in the newspaper of largest circulation in the county containing the largest resident population. This notice shall provide opportunity for the public to submit comments on the NOI and SWMP. In addition, the notice shall 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 ends 30 days later, unless a public meeting is held. If a public meeting is held, the comment period will end at the closing of the public meeting. The 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 must 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 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.

(i) The executive director, after considering public comment, shall 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.

E. 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 an urbanized area or if it is 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 urbanized area, 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 must meet the following conditions:

(a) Participants

The SWMP must clearly list the name and permit number for each MS4 operator that contributes to development or implementation of the SWMP, and provide confirmation that the contributing MS4 operator has agreed to contribute. If a contributing MS4 has submitted an 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 included in the SWMP.

(b) Responsibilities

Each permittee is entirely responsible for meeting SWMP requirements within the boundaries of its MS4. Where a separate MS4 operator is contributing to implementation of the SWMP, the SWMP must clearly define the contribution 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 an 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.

F. Waivers

The TCEQ may waive permitting requirements for small regulated MS4 operators if the criteria are met for Waiver Option 1 or 2. 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 two days after a completed 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 complete and confirm coverage under 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 either 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.

The TCEQ can, at any time, 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.

1. Waiver Option 1: The system serves a population of less than 1,000 within an urbanized area and meets the following criteria:

(a) the system is not contributing substantially to the pollutant loadings of a physically interconnected MS4 that is regulated by the NPDES / TPDES storm water program

(40 CFR § 122.32(d)); and

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

2. Waiver Option 2: The system serves a population under 10,000 and meets the following criteria:

(a) the TCEQ has evaluated all waters of the United States, 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 storm water 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.

Part III. Storm Water Management Program (SWMP)

To the extent allowable under state and local law, a SWMP must be developed and implemented according to the requirements of Part III of this general permit, for storm water discharges that reach waters of the United States, regardless of whether the discharge is conveyed through a separately operated storm sewer. The SWMP must be developed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act and the Texas Water Code. Existing programs or best management practices (BMPs) may be used to fulfill the requirements of this general permit. The MS4 operator must develop the SWMP to include the six minimum control measures described in Part III.A.1. through 6, and the operator may develop and include the optional seventh minimum control measure in Part III.A.7. Small MS4s have five years from the date of issuance of this general permit to fully implement their SWMP. A discharger's compliance with its approved SWMP will be deemed compliance with Part III of this permit.

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, and contractors. For discharges from third party actions, the permittee shall perform inspections and exert enforcement authority to the MEP.

If the permittee does not have 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 action in order to meet the goals of the permit:

- 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,

- if the permittee is unable to enter into inter-local agreements, notify the TCEQ's Field Operations Division as needed to report discharges or incidents that it can not itself enforce against.

The controls and Best Management Practices (BMPs) included in the SWMP constitute effluent limitations for the purposes of compliance with the requirements of 30 TAC Chapter 319, Subchapter B, related to Hazardous Metals.

A. Minimum Control Measures

1. Public Education and Outreach on Storm Water Impacts

(a) A public education program must be developed and implemented to distribute educational materials to the community or conduct equivalent outreach activities that will be used to inform the public. The MS4 operator may determine the most appropriate sections of the population at which to direct the program. The MS4 operator must consider the following groups and the SWMP shall provide justification for any listed group that is not included in the program:

(1) residents;

(2) visitors;

(3) public service employees;

(4) businesses;

(5) commercial and industrial facilities; and

(6) construction site personnel.

The outreach must inform the public about the impacts that storm water run-off can have on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps that they can take to reduce pollutants in storm water runoff.

(b) The MS4 operator must document activities conducted and materials used to fulfill this control measure. Documentation shall be detailed enough to demonstrate the amount of resources used to address each group. This documentation shall be retained in the annual reports required in Part IV.B.2. of this general permit.

2. Public Involvement/Participation

The MS4 operator must, at a minimum, comply with any state and local public notice requirements when implementing a public involvement/participation program. It is recommended that the program include provisions to allow all members of the public within the small MS4 the opportunity to participate in SWMP development and implementation. Correctional facilities will not be required to implement this MCM.

3. Illicit Discharge Detection and Elimination

(a) Illicit Discharges

A section within the SWMP must be developed to establish a program to detect and eliminate illicit discharges to the small MS4. The SWMP must include the manner and process to be used to effectively prohibit illicit discharges. To the extent allowable under state and local law, an ordinance or other regulatory mechanism must be utilized to prohibit and eliminate illicit discharges. Elements must include:

(1) Detection

The SWMP must list the techniques used for detecting illicit discharges; and

(2) Elimination

The SWMP must include appropriate actions and, to the extent allowable under state and local law, establish enforcement procedures for removing the source of an illicit discharge.

(b) Allowable Non-Storm Water Discharges

Non-storm water flows listed in Part II.B and Part VI.B. do not need to be considered by the MS4 operator as an illicit discharge requiring elimination unless the operator of the small MS4 or the executive director identifies the flow as a significant source of pollutants to the small MS4. In lieu of considering non-storm water sources on a case-by-case basis, the MS4 operator may develop a list of common and incidental non-storm water discharges that will not be addressed as illicit discharges requiring elimination. If developed, the listed sources must not be reasonably expected to be significant sources of pollutants either because of the nature of the discharge or the conditions that are established by the MS4 operator prior to accepting the discharge to the small MS4. If this list is developed, then all local controls and conditions established for these listed discharges must be described in the SWMP and any changes to the SWMP must be included in the annual report described in Part IV.B.2. of this general permit, and must meet the requirements of Part II.D.3. of the general permit.

(c) Storm Sewer Map

(1) A map of the storm sewer system must be developed and must include the following:

(i) the location of all outfalls;

(ii) the names and locations of all waters of the U.S. that receive discharges from the outfalls; and

(iii) any additional information needed by the permittee to implement its SWMP.

(2) The SWMP must include the source of information used to develop the storm sewer map, including how the outfalls are verified and how the map will be regularly updated.

4. Construction Site Storm Water Runoff Control

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

(a) The program must include the development and implementation of, at a minimum, an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.

(b) Requirements for construction site contractors to, at a minimum:

(1) implement appropriate erosion and sediment control BMPs; and

(2) control waste such as discarded building materials, concrete truck washout water, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.

(c) The MS4 operator must develop procedures for:

(1) site plan review which incorporate consideration of potential water quality impacts;

(2) receipt and consideration of information submitted by the public; and

(3) site inspection and enforcement of control measures to the extent allowable under state and local law.

5. Post-Construction Storm Water Management in New Development and Redevelopment

To the extent allowable under state and local law, the MS4 operator must develop, implement, and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre of land, 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 or more acres, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts. The permittee shall:

(a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for the community;

(b) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state and local law; and

(c) Ensure adequate long-term operation and maintenance of BMPs.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

A section within the SWMP must be developed to establish an operation and maintenance program, including an employee training component, that has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

(a) Good Housekeeping and Best Management Practices (BMPs)

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

(1) park and open space maintenance;

(2) street, road, or highway maintenance;

(3) fleet and building maintenance;

(4) storm water system maintenance;

(5) new construction and land disturbances;

(6) municipal parking lots;

(7) vehicle and equipment maintenance and storage yards;

(8) waste transfer stations; and

(9) salt/sand storage locations.

(b) Training

A training program must be developed for all employees responsible for municipal operations subject to the pollution prevention/good housekeeping program. The training program must include training materials directed at preventing and reducing storm water pollution from municipal operations. Materials may be developed, or obtained from the EPA, states, or other organizations and sources. Examples or descriptions of training materials being used must be included in the SWMP.

(c) Structural Control Maintenance

If BMPs include structural controls, maintenance of the controls must be performed at a frequency determined by the MS4 operator and consistent with maintaining the effectiveness of the BMP. The SWMP must list all of the following:

(1) maintenance activities;

(2) maintenance schedules; and

(3) long-term inspection procedures for controls used to reduce floatables and other pollutants.

(d) Disposal of Waste

Waste removed from the small MS4 and waste that is collected as a result of maintenance of storm water structural controls must be properly disposed. A section within the SWMP must be developed to include procedures for the proper disposal of waste, including:

(1) dredge spoil;

(2) accumulated sediments; and

(3) floatables.

(e) Municipal Operations and Industrial Activities

The SWMP must include a list of all:

(1) municipal operations that are subject to the operation, maintenance, or training program developed under the conditions of this section; and

(2) municipally owned or operated industrial activities that are subject to TPDES industrial storm water regulations.

7. Authorization for Municipal Construction Activities

The development of a MCM for municipal construction activities is an optional measure and is an alternative to the MS4 operator seeking coverage under TPDES general permit TXR150000. Additionally, contractors working for the permittee are not required to obtain a separate authorization if they do not meet the definition of a "construction site operator," as long as the permittee meets the status of construction site operator. Permittees that choose to develop this measure will be authorized to discharge storm water and certain non-storm water from construction activities where the permittee can meet the definition of "construction site operator" in Part I of this general permit. The authorization to discharge under this MCM is limited to the regulated area, such as the portion of the MS4 located within an urbanized area or the area designated by TCEQ as requiring coverage. However, an MS4 operator may also utilize this MCM over additional portions of their 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 Construction General Permit, TXR150000, or under an individual TPDES permit.

(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 (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); and

(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 storm water discharges.

(4) a general description of how a SWP3 shall be developed, according to Part VI.E. of this general permit, for each construction site.

B. General Requirements

Permittees must provide documentation of the development, implementation, and evaluation of the SWMP. The documentation must be included in the SWMP and may be required to be submitted in the annual report required in Part IV.B.2. of this general permit. 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. a list of all BMPs and measurable goals for each of the MCMs;

3. a schedule for the implementation of all SWMP requirements;

4. a description of how each measurable goal will be evaluated;

5. a rationale statement that addresses the overall program, including how the BMPs and measurable goals were selected; and

6. if applicable, a list of all MS4 operators contributing to the development and implementation of the SWMP, including a clear description of the contribution.

Part IV. Recordkeeping and Reporting

A. Recordkeeping

1. The permittee must 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 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 must 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 must make the NOI and the SWMP available to the public if requested to do so in writing. 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. 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 maybe instituted against the permittee.

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 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, it must promptly submit the facts or information to the executive director.

2. Annual Report

The MS4 operator must submit a concise annual report to the executive director within 90 days of the end of each permit year. The annual report must address the previous permit year. The first permit year for annual reporting purposes shall begin on the date of permit issuance, and shall last for one year. Subsequent calendar years will begin on the anniversary date of permit issuance and last for one year. The MS4 operator must 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) Status of any additional control measures implemented by the permittee (if applicable);

(c) Any MCM activities initiated before permit issuance may be included, under the appropriate headings, as part of the first year's annual report;

(d) A summary of the results of information (including monitoring data) collected and analyzed, if any, during the reporting period used to assess the success of the program at reducing the discharge of pollutants to the MEP;

(e) A summary of the storm water activities the MS4 operator plans to undertake during the next reporting cycle;

(f) Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements;

(g) The number of municipal construction activities authorized under this general permit and the total number of acres disturbed;

(h) The number of non-municipal construction activities that occurred within the jurisdiction of the permittee (as noticed to the permittee by the construction operator); and

(i) Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable).

An annual report must be prepared whether or not the NOI and SWMP has been approved by the TCEQ. If the permittee has either not implemented the SWMP or not begun to implement the SWMP because it has not received approval of the NOI and SWMP, then the annual report may include that information.

If permittees share a common SWMP, all permittees must contribute to a system-wide report (if applicable);

Each permittee must sign and certify the annual report in accordance with 30 TAC § 305.128 (relating to Signatories to Reports); and

The annual report must be submitted to the following address:

Texas Commission on Environmental Quality
Storm Water & 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.state.tx.us 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. 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 must 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 revoking, suspending, or terminating authorization under this general permit. Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.

C. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.

D. Inspection and entry shall be allowed under Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 Code of Federal Regulations (CFR) §122.41(i). The statement in Texas Water Code § 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.

E. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code, Chapters 26, 27, and 28, and the Texas Health and Safety Code, Chapter 361 for violations including but not limited to the following:

   a. negligently or knowingly violating CWA, §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA, § 402; and

   b. 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.

F. All reports and other information requested by the executive director must be signed by the person

and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

G. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

H. 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 three (3) years from acquiring the new area, or five (5) years from the date of the original SWMP, whichever is later.

Part VI. Authorization for Municipal Construction Activities

The MS4 operator may obtain authorization under TPDES general permit TXR150000 to discharge storm water runoff from each construction activity performed by the MS4 operator that results in a land disturbance of one (1) or more acres of land. Alternatively, the MS4 operator may develop the SWMP to include this optional seventh (7^{th}) storm water MCM if the eligibility requirements in Part VI.A. are met. If an MS4 operator decides to utilize this MCM, then the MS4 operator must include the MCM it 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 small MS4 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 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 storm water MCM, the MS4 operator may apply under TPDES general permit 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).

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.A.1. through III.A.6 of this general permit, related to MCMs.

B. Discharges Eligible for Authorization

1. Storm Water Associated with Construction Activity

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

2. Discharges of Storm Water Associated with Construction Support Activities

Discharges of storm water 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 1-mile distance from the boundary of the permitted construction site and directly supports the construction activity;

(b) a storm water pollution prevention plan is developed according to the provisions of this general permit and includes appropriate controls and measures to reduce erosion and discharge of pollutants in storm water runoff from the supporting industrial activity site; and

(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.

3. Non-storm Water Discharges

The following non-storm water discharges from construction sites authorized under this general permit are also eligible for authorization under this MCM:

(a) discharges 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);

(b) fire hydrant flushings;

(c) vehicle, external building, and pavement wash water where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material is removed)

(d) water used to control dust;

(e) potable water sources including waterline flushings;

(f) 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.

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.

D. Numeric Effluent Limitations

All discharges of storm water runoff from concrete batch plants must be monitored at the following monitoring frequency and comply with the following numeric effluent limitations:

	Limitations	Monitoring
Parameter	Daily Maximum	Frequency
Total Suspended Solids	65 mg/l	1/Year
Oil and Grease	15 mg/l	1/Year
pH	between 6 and 9 standard units	1/Year

E. Storm Water Pollution Prevention Plan (SWP3)

Operators of municipal construction activities that qualify for coverage under this general permit and that discharge storm water associated with construction activities that reach waters of the U.S. 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 the notice contained in Attachment 1 of this general permit 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.

F. Effective Date of Coverage

Operators of construction activities eligible for coverage under this general permit are authorized to discharge storm water associated with construction activity from a site 48 hours from the time that the signed notice is posted at the site.

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.

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 storm water management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site.

I. Keeping Plans Current

The permittee must amend the SWP3 whenever:

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.

J. Contents of SWP3

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

1. A site description, or project description, must be developed to 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) areas which will not be disturbed;

(4) locations of all major structural controls either planned or in place;

(5) locations where stabilization practices are expected to be used;

(6) locations of off-site material, waste, borrow or equipment storage areas;

(7) surface waters (including wetlands) either adjacent or in close proximity; and

(8) locations where storm water discharges from the site directly to a surface water body.

(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. 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%.

(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 storm water 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 it is 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 as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided in (1) through (3) below, must be initiated no more than fourteen (14) days

after the construction activity in that portion of the site has temporarily or permanently ceased.

(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 (areas with an average rainfall of 0 to 10 inches), semiarid areas (areas with an average annual rainfall of 10 to 20 inches), and other areas experiencing droughts.

(3) Where construction activity on a portion of the site is temporarily ceased and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site.

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) Sediment basins are required, where feasible, for common drainage locations that serve an area with ten (10) or more acres that remain disturbed at any one time. Sediment basins may be either temporary or permanent, but must be designed to store either the calculated volume of runoff from a 2 year, 24 hour storm from acreage drained, or designed to provide 3,600 cubic feet of storage per 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 offsite areas and flow from onsite 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. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area on site, public safety, and other similar considerations. Where sediment basins are not feasible, equivalent control measures, which may include a series of smaller sediment basins, must be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area.

(b) Sediment traps and sediment basins may be used to control solids in storm water 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 (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction. Alternatively, a sediment basin providing storage for a calculated volume of runoff from these areas for a 2-year, 24- hour storm or 3,600 cubic feet of storage per acre drained may be provided.

5. Permanent Storm Water Controls

A description of any measures that will be installed during the construction process to control pollutants in storm water 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 storm water 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 storm water 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. Approved State and Local Plans

(a) Permittees must ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or storm water 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 storm water management site plans or site permits approved by state or local official for which the permittee receives written notice.

8. 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 storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable.

9. Inspections of Controls

(a) Personnel provided by the permittee and familiar with the SWP3 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, all structural control measures for effectiveness and necessary maintenance, and locations where vehicles enter or exit the site for evidence of off-site tracking. Inspections must occur at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches or greater. As an alternative, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days; in which case additional inspections are not required following each qualifying storm event. 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.

Where sites have been finally or temporarily stabilized, where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches), inspections must be conducted at least once every month.

(b) Personnel provided by the permittee and familiar with the SWP3 must inspect all accessible discharge locations to determine if erosion control measures are effective in preventing visually noticeable changes to receiving waters, including persistent cloudy appearance in water color and noticeable accumulation of sediments.

Where discharge locations are inaccessible, nearby downstream locations must be inspected to the extent that such inspections are practicable. The frequency for these inspections must be established by the permittee in the SWP3 with consideration for local rainfall and soil, but must occur at least once during the construction activity if a discharge occurs.

(c) 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.

(d) A report summarizing the scope of the inspection, names and qualifications of personnel making the inspection, the dates 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.

(e) 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.

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

K. Additional Retention of Records

The permittee must 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 general permit, including a copy of the site notice.

Attachment 1

CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality
Storm Water Program

TPDES GENERAL PERMIT TXR040000

The following information is posted in compliance with Part VI of the Texas Commission on Environmental Quality's (TCEQ) TPDES General Permit Number TXR040000 for discharges of storm water runoff from construction sites that are operated by small municipal separate storm sewer system operators. Additional information regarding the TCEQ storm water permit program may be found on the internet at: **www.tceq.state.tx.us**

Permit Number:	**TXR04 _____**
Contact Name and Phone Number:	
Project Description: (Including estimated start date and either the projected end date, or date that disturbed soils will be finally stabilized)	
Location of Storm Water Pollution Prevention Plan (SWP3):	

I,_____ *(Typed or Printed Name Person Completing This Certification*) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part VI of TPDES General Permit TXR040000. A storm water pollution prevention plan has been developed and implemented according to permit requirements. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

Signature Date

Attachment 2

CONCRETE BATCH FACILITIES

STW/ TXR04_____/ CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME

ADDRESS

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
	01	01		12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/TXR04 00123/ CO

Mail to: TCEQ (MC 213)
P.O. Box 13087
Austin, TX 78711-3087

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)	(46-53)	(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Suspended Solids	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	65 Daily Max	mg/l		1/Year	Grab
Oil & Grease	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	15 Daily Max	mg/l		1/Year	Grab
pH	SAMPLE MEASUREMENT	*******	*******	*******	*******	*******					
	SAMPLE REQUIREMENT	*******	*******	*******	*******	*******	6.0 - 9.0 Range	S.U.		1/Year	Grab
	SAMPLE MEASUREMENT										
	SAMPLE REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Appendix H

Record of Plan Updates

Permit Requirements for Updates to the SWMP

The City is permitted to revise this SWMP during the permit term. The TCEQ permit, located in Appendix G, details the requirements and allowances for making modifications to the storm water management program. This can include addition, deletion, or modification of BMPs. Below is the specific permit language with respect to SWMP modifications.

"Changes may be made to the SWMP during the permit term. 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 written approval of the changes from the TCEQ, except that written approval is not required for the following changes:

(a) Adding components, controls, or requirements to the SWMP; or replacing a BMP with an equivalent BMP, may be made by the permittee at any time upon submittal of a notice of change (NOC) form to the address specified on the form to the TCEQ.

(b) Replacing a less effective or infeasible BMP specifically identified in the SWMP with an alternate BMP may be requested at any time. Changes must be submitted on an NOC form to the address specified on the form. Unless denied in writing by the TCEQ, the change shall be considered approved and may be implemented by the permittee 60 days from submitting the request. 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 why the replacement BMP is expected to achieve the goals of the replaced BMP."

A record of modifications to the SWMP should be documented on the following Record of Plan Updates. A copy of any communication to TCEQ regarding SWMP modification, as well as written approval from TCEQ of proposed SWMP modifications, should also be maintained in this Appendix.

Record of Plan Updates

Date	Revision	Signature

Appendix I

Notice of Intent and Permit Authorization

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

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

Did you know you can pay on line? Go to https://www6.tceq.state.tx.us/epay/
Select Fee Type: GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION

Application Fee: You must pay the $100 Application Fee to TCEQ for the application to be considered complete. How did you pay this fee?

☑ Mailed:	Check/Money Order No.: 079177	Name Printed on Check: City of the Colony
☐ EPAY:	Voucher No.:	Is the Payment Voucher copy attached? ☐ Yes

IMPORTANT:
•Use the attached **INSTRUCTIONS** when completing this form.
•After completing this form, use the attached **CUSTOMER CHECKLIST** to make certain all items are complete and accurate.
•Missing, illegible, or inaccurate items may delay final acknowledgment or coverage under the general permit.

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

Is the copy attached? ☑ **Yes**

A. OPERATOR (applicant)

1. If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity?
   CN 600491187
2. What is the full Legal Name of the applicant?
   City of the Colony
   (The exact legal name must be provided.)
3. What is the applicant's mailing address as recognized by the **US Postal Service**?

Address: 6800 Main Street	Suite No./Bldg. No./Mail Code:	
City: The Colony	State: TX	ZIP Code: 75056
Country Mailing Information (if outside USA).	Country Code:	Postal Code:

4. Phone No.: (972) 624-3109	Extension:
5. Fax No.: (972) 624-2317	E-mail Address: rhartline@thecolonytx.gov

6. Indicate the type of Customer:
   ☐ Federal Government ☐ State Government ☐ County Government
   ☑ City Government ☐ Other Government
7. Number of Employees: ☐ 0-20; ☐ 21-100; ☐ 101-250; ☑ 251-500; or ☐ 501 or higher

B. BILLING ADDRESS

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

Is the billing address same as the Operator Address? ☑ Yes, go to **Section C.** ☐ No, fill out **Section B**

1. Billing Mailing Address:	Suite No./Bldg. No./Mail Code:	
City:	State:	ZIP Code:
2. Country Mailing Information (if outside USA).	Country Code:	Postal Code:
3. Billing Contact (Attn or C/O):		
4. Phone No.: ( )	Extension:	
5. Fax No.: ( )	E-mail Address:	

C. REGULATED ENTITY (RE) INFORMATION

1. Has the TCEQ issued a Regulated Entity Reference Number (RN) for the regulated MS4 ?
   Yes. What is the RN? **RN** _____
   No - TCEQ will assign the RN number after the NOI is submitted.

2. Name that is used to identify the small MS4 (Regulated Entity).
   (Example: City of XXX MS4) City of The Colony MS4

3. 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 The Colony Limits that is located within the Dallas-Fort Worth-Arlington urbanized area

4. a. What is the county where the largest residential population exists within the regulated MS4 boundaries?
   Denton County

   b. Is the MS4 located within additional counties? ☐ Yes ☑ No
   If yes, what county(s)?

5. What is the latitude and longitude of the approximate center of the regulated portion of the small MS4?
   Latitude: 33.09 N Longitude: 96.893 W

6. What is the mailing address for the regulated entity?

Is the RE mailing address the same as the Operator? ☑ Yes, go to Section F. ☐ No, provide the address.

Street Number:	Street Name:	
City:	State:	ZIP Code:

D. GENERAL CHARACTERISTICS

1. I certify that any portion of the regulated MS4 is **not** located on Indian Country Lands. ☑ Yes ☐ No
   If No, you must obtain authorization through EPA, Region VI.

2. What is the Standard Industrial Classification (SIC) code (see instructions for common codes): 9111

3. 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 Urbanized Area as determined by the 2000 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.

4. Storm Water Management Program (SWMP)

a. 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

b. I certify that the SWMP Cover Sheet is completed and attached to the front of the SWMP. ☑ Yes ☐ No

If No to question a. or b. the application is considered incomplete and may be returned.

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

Name: Ron Hartline	Title: Senior Engineer	Company: City of The Colony
Address: 6800 Main St	Suite No./Bldg. No./Mail Code:	
City: The Colony	State: TX	ZIP Code: 75056
Phone No.: (972) 624-3109	Extension:	
Fax No.: (972) 624-2317	E-mail Address: rhartline@thecolonytx.gov	

5. Seventh Minimum Control Measure (MCM) for Municipal Construction Activities

a. Is the Minimum Control Measure for authorization to discharge storm water from municipal construction activities included with the attached SWMP? ☐ Yes ☑ No

b. If you answered "Yes" to 5.a., 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.

c. 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 ☑ No

If the answer is "Yes", please note that a copy of the agency approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) must be either included or referenced in the construction storm water pollution prevention plan(s).

6. Discharge Information

a What is the name of the receiving water body(s) from the MS4?

Lewisville Lake (Segment 0823), Stewart Creek, Office Creek, Indian Creek, and unnamed tributaries

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

Lewisville Lake (Segment 0823) and Elm Fork Trinity River below Lewisville Lake (Segment 0822)

c. Are any of the surface water bodies receiving discharges from the small MS4 on the latest EPA-approved CWA § 303(d) list of impaired waters? ☐ Yes ☑ No

If Yes, what is the name of the impaired water body(s) receiving the discharges from the small MS4?

d. Is the discharge into any other MS4 prior to discharge into surface water in the state? ☑ Yes ☐ No

If **Yes**, what is the name of the MS4 Operator? Texas Department of Transportation

7. 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 ☑ No

If the answer is Yes, please note that a copy of the agency approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) for activities also regulated under this general permit must be either included or referenced in the SWMP.

8. Public Participation Process

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

a. I will comply with the Public Participation requirements described in Part II.D.12 of the general permit. ☑ Yes ☐ No

If No, coverage under this general permit is not obtainable.

b. 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.)

Name: Ron Hartline	Title: Senior Engineer	Company: City of The Colony
Address: 6800 Main St	Suite No./Bldg. No./Mail Code:	
City: The Colony	State: TX	ZIP Code: 75056
Phone No.: (972) 624-3109	Extension:	
Fax No.: (972) 624-2317	E-mail Address: rhartline@thecolonytx.gov	

c. 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 viewed?

Name of Public Place: City of The Colony City Hall

Address of Public Place: 6800 Main Street
The Colony, TX 75056

County of Public Place: Denton

E. CERTIFICATION

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

I certify that I have obtained a copy and understand the terms and conditions of the general permit TXR040000.	☑ Yes
I certify that the small MS4 qualifies for coverage under the general permit TXR040000.	☑ Yes
I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.	☑ Yes
I understand that permits active on September 1st of each year will be assessed an Annual Water Quality Fee.	☑ Yes

Operator Certification:

I, Dale Cheatham (Typed or printed name) City Manager (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: Dale Cheatham Date: 5 Feb 08

(Use blue ink)

Storm Water 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 in the left column for each item.

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

Operator Name on NOI: City of The Colony

Page # (s)	**MCM 1:** Public Education and Outreach on Storm Water Quality Issues
App. B pg. 1, see App. A for details	SWMP includes the following required elements: 1. Educational materials are distributed to the community, or equivalent public outreach is conducted. 2. The following groups are included in the program, or the SWMP provides justification if the group is not included: residents, visitors, public service employees, businesses, commercial and industrial facilities, and construction site personnel. 3. Outreach informs groups about impacts storm water can have on water quality, hazards associated with illegal discharges, and steps they can take to reduce pollutants in storm water runoff.
App.B pg 1, see App. A for details	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 ☐ Storm water 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 ☐ Encouragement of water conservation practices ☐ Encouragement of pet waste management ☐ Storm water hotlines
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
☐ App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**MCM 2:** Public Involvement/Participation
App. B pg 2	SWMP includes a program that complies with State and local public notice requirements.
App. B pg 2, see App. A for details	SWMP lists BMPs used to fulfill this MCM. Examples of possible BMPs may include 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
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**MCM 3:** Illicit Discharge Detection and Elimination
App B. pg 3-4, see App. A for Details	SWMP includes the following required elements: 1. Description of program that will be used to detect and eliminate illicit discharges 2. Description of the manner and process to be used to effectively prohibit illicit discharges, including, at a minimum: a. List of detection techniques b. Appropriate actions and enforcement procedures for removing the source of an illicit discharge c. To the extent allowable under state and local law, an ordinance or other regulatory mechanism is utilized to prohibit and eliminate illicit discharges d. Description of local controls and conditions established for common and incidental non-storm water discharges that the operator does not consider illicit 3. Map of outfalls included or described in schedule, with following information: a. Locations of all outfalls b. Names and locations of waters of the U.S. receiving discharges from the MS4 c. Source(s) of information used to develop and update map
App B. pg 3-4, see App. A for Details	SWMP Lists BMPs used to fulfill this MCM. Examples of possible BMPs may include the following: ☐ List of non-storm water 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
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**MCM 4:** Construction Site Storm Water Runoff Control
App. B pg 5, See App. A for details	SWMP includes the following required elements listed below: 1. Description of program that will be developed, implemented and enforced, to address storm water runoff from construction one acre and greater (including larger common plan) 2. Ordinance or other regulatory mechanism to require erosion and sediment controls, to the extent allowable under state and local law a. Ordinance/regulatory mechanism includes sanctions to ensure compliance, to the extent allowable under state and local law b. Program requires contractors to implement erosion and sediment control BMPs

	c. Program requires contractors to control construction site waste 3. Procedures for site plan review to consider water quality impacts 4. Procedures for receipt and consideration of input from the public 5. Procedures for site inspection and enforcement of control measures, to the extent allowable under state and local law
App. B pg 5, See App. A for details	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
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**MCM 5:** Post-Construction Storm Water Management in Areas of New Development and Redevelopment
App. B pg 6, see App. A for details	SWMP includes the following required elements listed below: 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. Strategies include structural and/or non-structural BMPs appropriate for the community 4. Ordinance or other regulatory mechanism is in place or planned which will regulate discharges from new development and redevelopment projects 5. Long term operation and maintenance of BMPs is addressed
App. B pg 6, see App. A for details	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 storm water issues □ Incentives for use of permeable choices, such as porous pavement □ Requirements for wet ponds or other BMPs for certain size sites □ Xeriscaping
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**MCM 6:** Pollution Prevention / Good Housekeeping Measures for Municipal Operations
App. B pg 7-9, see App A for details	SWMP includes the following required elements listed below: 1. Operation and maintenance (O&M) program in place or scheduled, to reduce/prevent pollution from municipal operations 2. Housekeeping measures and BMPs that will reduce pollutants have been identified 3. Training provided for employees involved in municipal operations subject to the housekeeping/BMP requirements 4. Maintenance of structural BMPs (if applicable) is performed a. SWMP lists maintenance schedules for structural BMPs (if applicable) b. SWMP lists long term inspection procedures to reduce floatables

	5. Waste is removed from MS4 and properly disposed a. Procedures for waste disposal are included for dredge spoil, accumulated sediment, and floatables 6. List of municipal operations subject to O&M program or training program 7. List of municipally owned industrial activities subject to TPDES industrial storm water regulations
App. B pg 7-9, see App A for details	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)
App. A	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
App. A	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	**Optional 7th MCM :** Municipal Construction Activities (only available within the regulated area where the MS4 operator meets the definition of construction site operator) If this MCM is utilized applicable, SWMP must include the following information:
NA	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
NA	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)
NA	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.
NA	Description provided for one of the following: ▸ How contractor activities will be supervised or overseen to ensure that the SWP3 requirements are properly implemented at the construction site(s); or ▸ How the MS4 operator will make certain that contractors have a separate authorization for storm water discharges if needed.
NA	General description of how a construction SWP3 will be developed for each construction site.

Texas Commission on Environmental Quality
General Permit Payment Submittal Form

DO NOT SEND THE ORIGINAL or COPY OF NOI WITH PAYMENT 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	BY OVERNIGHT/EXPRESS MAIL
Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 P.O. Box 13088 Austin, TX 78711-3088	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: 079177
2. Amount of Check/Money Order: $100.00
3. Date of Check or Money Order: 02/01/2008
4. Name on Check or Money Order: City of the Colony

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: City of The Colony MS4

Project/Site (RE) Physical Address: Denton County

ATTACH CHECK HERE

Appendix J

Year 1 Annual Report

Appendix K

Year 2 Annual Report

Appendix L

Year 3 Annual Report

Appendix M

Year 4 Annual Report

Appendix N

Year 5 Annual Report