

Stormwater Pollution Prevention Plan, CITY OF SOCORRO, TEXAS



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Developed in accordance with the requirements of TEXAS COMMISSION ON ENVIRONMENTAL QUALITY –
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM –
TPDES GENERAL PERMIT TXR040000

Permit Term:

December 13, 2013 – Dec. 13, 2018

Prepared June 2015

Synonymous to a Storm Water Management Plan (SWMP)

Acronyms and Abbreviations

BMP	Best Management Practices
CFR	U.S. Code of Federal Regulations
CGP	Construction General Permit
CWA	Clean Water Act
EPA	Environmental Protection Agency
EPCWID	El Paso County Water Improvement District
FEMA	Federal Emergency Management Agency
GIS	Geographic Information System
GPS	Global Positioning System
HHW	Household Hazardous Waste
IDDE	Illicit Detection and Discharge Elimination
LVWD	Lower Valley Water District
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NOC	Notice of Change
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
P2	Pollution Prevention
SISD	Socorro Independent School District
SIC	Standard Industrial Classification
SSO	Sanitary Sewer Overflow
SWMP	Storm Water Management Program
SWP3	Storm Water Pollution Prevention Plan
SWQM	Surface Water Quality Monitoring
TCEQ	Texas Commission on Environmental Quality
TAC	Texas Administrative Code
TDA	Texas Department of Agriculture
TMN	Texas Master Naturalist
TMDL	Total Maximum Daily Load

TxDOT	Texas Department of Transportation
TPDES	Texas Pollutant Discharge Elimination System
NOI	Notice of Intent
UA	Urbanized Area
USGS	United States Geological Survey

Definitions

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

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.

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

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.

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

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

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

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.

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

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

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.

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

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.

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

Stormwater – stormwater runoff, snowmelt runoff, and surface runoff and drainage. **Watershed** – The region draining into a river, river system, or other body of water.

Storm Water Management Program (SWMP) - A comprehensive program to manage the quality of discharges from the municipal separate storm sewer system. Synonymous to a Storm Water Pollution Prevention Plan (SWP-3).

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 (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or non-navigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

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.

Watershed – The collective region of surface and sub-surface fresh-water that draining into a river, river system, or other body of water.

Waters of the United States – Waters of the United States or waters of the U.S. means:

- (a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- (b) all interstate waters, including interstate wetlands;
- (c) all other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation; or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
 - (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;
 - (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
 - (3) which are used or could be used for industrial purposes by industries in interstate commerce;
- (d) all impoundments of waters otherwise defined as waters of the United States under this definition;
- (e) tributaries of waters identified in paragraphs (a) through (d) of this definition;
- (f) the territorial seas; and
- (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

1.0 INTRODUCTION

1.1 BACKGROUND On City of Socorro

The City of Socorro, Texas is growing at an accelerated rate. The City of Socorro population was 32,013 in the 2010 census which made it the 95th-largest city in Texas, or bigger than 94% of all Texas cities. From 2000 to 2010, the Socorro city population growth percentage was 17.9% (or from 27,152 people to 32,013 people). The population growth in small Texas towns has forced decision-makers to prioritize environmental concerns due to lack of local, state and federal resources. The top three concerns recognized by the Texas Commission on Environmental Quality (TCEQ) for smaller boarder towns are water quantity/quality, and illegal dumping of municipal solid waste. A metro area contains a core urban area of 50,000 or more population, and a micro area contains an urban core of at least 10,000 (but less than 50,000) population.

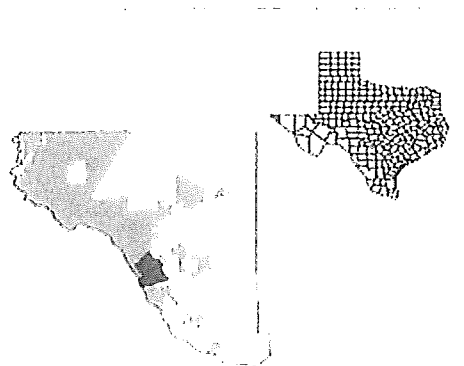
The City of Socorro Demographics;

As of the census of 2010, there were 8,792 households and 7,703 families residing in the city. The population density was 1,453.2 people per square mile (560.9/km²). There were 9,313 housing units at an average density of 422.7/sq. mi (163.2/km²).

According to the United States Census Bureau, the city has a total area of 22.06 square miles (57.13 km²), of which 22.03 square miles (57.07 km²) is land and 0.023 square miles (0.06 km²), or 0.10%, is water.

The City of Socorro History:

Socorro was established in 1680 by Spaniards and Piro Indians that were fleeing the pueblo revolt in northern New Mexico. It took its name from Socorro, New Mexico, the town in central New Mexico from which the Piros had originated, which had been given the name Socorro (Spanish for "aid" or "succor") by the Spaniards due to the helpful attitude of the Piro toward the Spaniards at the time of first contact. The City of Socorro was first incorporated in 1871 and was re-incorporated in 1985 in response to an annexation attempt from neighboring City of El Paso, Texas.



Coordinates: 31°38'29"N 106°16'29"W

Figure 1-1: City of Socorro Project Area
(El Paso County Socorro .svg, created: June 13, 2008)

1.2 REGULATORY OVERVIEW

Since 1948, with passage of the *Water Pollution Control Act (WPCA)*, the federal government has attempted to regulate water quality, but it was not until between 1956 and 1966 that the United States Congress aggressively promoted water pollution control. Although water pollution control was mainly in the form of financial assistance to municipalities for the construction of wastewater treatment plants, an additional thrust by Congress in 1965 established the first water quality standards in the country with the passage of the *Water Quality Act of 1965* (EPA, 2000). It was not until 1972 that water quality based controls were established with passage of the comprehensive *Federal Water Pollution Control Act (FWPCA)* Amendments (now called the *Clean Water Act*). During the 1970s the National Pollutant Discharge Elimination System (NPDES) permitting program was created to regulate discharges of all pollutants to navigable waters from any point source. However, during the 1970s and 1980s the NPDES program primarily targeted discharges of municipal and industrial wastewater. It was not until 1990 that the U.S. Environmental Protection Agency (EPA) promulgated NPDES regulations that established today's municipal stormwater program (EPA, 2005).

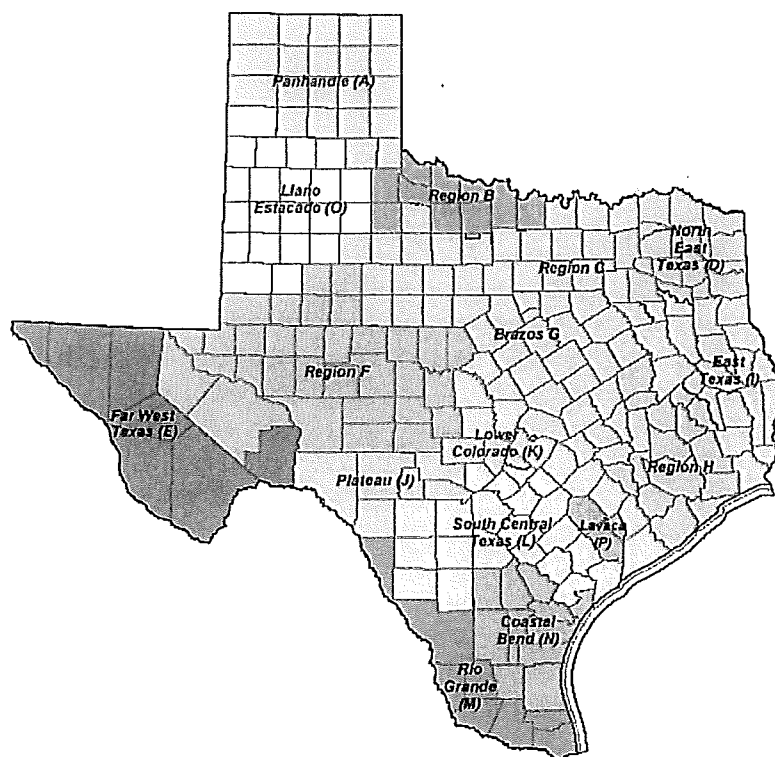


Figure 1-2: Far West Texas Region E (TCEQ, 2003)

Since the passage of these water pollution prevention laws our nation's waters have improved significantly. However, the EPA reports in its annual national Water Quality Inventory that as of 2000, 40% of our surface waters remain impaired. Of this, 13% of impaired rivers, 18% of impaired lake acres, and 32% of impaired estuaries are affected by urban/suburban stormwater runoff. Polluted stormwater runoff is typically transported by municipal separate storm sewer systems (MS4s) and discharged into local waterways without treatment (EPA, 2005).

In 1987, Congress amended the CWA to require the EPA to establish phased NPDES requirements for stormwater discharges. In 1990, the EPA published the initial permit application requirements that included: (a) 11 categories of stormwater discharges associated with industrial activity and, (b) discharges from MS4s that serviced a population of 100,000 or more (Federal Register Vol. 55, 1990).

In Texas, the NPDES program was renamed the Texas Pollutant Discharge Elimination System (TPDES) in 2001 when the EPA, through a memorandum of understanding, gave the TCEQ authority to administer the program (Federal Register, Vol 68, 1998).

The TCEQ established the Phase II MS4 program in 2003 to extend the Phase I program to include all municipalities in urbanized areas. Urbanized areas are defined as land areas with an overall population density of more than 1,000 people per square mile. As part of the Phase II MS4 program, in August 2007 the TCEQ issued TPDES General Permit Number TXRO40000. A unique attribute of the Phase II program is that federal and state operated MS4s are also regulated. This means small MS4s can include universities, hospitals, prisons, roads, parks and office buildings (EPA, 2005). Many municipalities use the Rio Grande Drainage Basin as a receiving waterway for treated sanitary sewer wastewater and stormwater runoff (Figure 1-3).

1.3 SOCORRO'S WATERSHED TOPOGRAPHY and DRAINAGE

The Rio Grande River's watershed covers 182,200 square miles (472,000 km²). Many endorheic (closed) basins are situated along and within, or adjacent to, the Rio Grande's basin, and these are sometimes included in the river basin's total area, increasing its size to about 336,000 square miles (870,000 km²).

The Rio Grande River serves as a natural border between the U.S. State of Texas and the Mexican states of Chihuahua, Coahuila, Nuevo León, and Tamaulipas. A very short stretch of the river serves as the boundary between the U.S. states of Texas and New Mexico. Irrigation canals and drainage ditches constructed in the early nineteen twenties, have permanently altered the natural drainage patterns within the Rio Grande floodplain. Since the mid-20th century, heavy water consumption of farms and cities along with many large dams on the river has left only 20 percent of its natural discharge to flow to the Gulf. The Rio Grande is one of nineteen Great Waters recognized by America's Great Waters Coalition.

Drainage patterns through the City of Socorro are no longer natural in nature. The six major earthen drains that flow through the City of Socorro: River Drain, Franklin Drain, Dolan Drain, Middle Drain, Mesa Drain, and Mesa Spur Drain. Although, it should be noted; these drains were not initially intended to convey storm waters and these irrigation drains are not constructed to accommodate high water flood flows without damaging the infrastructure. Even though some storm runoff reaches these irrigation drains, storm water flows and runoff drainage systems in general are NOT allowed to connect to the irrigation drains unless authorized by the El Paso County Water Irrigation District No. 1.

The Federal Emergency Management Agency (FEMA) has designated areas along Mesa Spur Drain as a Special Flood Hazard Areas Inundated by 100-year floods. Waters flood these areas where the arroyos have been cut-off from the Rio Grande River by the irrigation canals and drainage ditches. These arroyos convey storm water flows from (a) the Town of Horizon City, (b) El Paso County lands, (c) the TxDOT Interstate-10 corridor, and (d) a small portion of the City of Socorro.

Throughout the City of Socorro, drainage patterns have been directed by three main dynamics. (1) Lack of government foresight and development of sufficient number of storm drainage systems constructed throughout the city. (2) Irrigation canals and drains interrupt the natural storm drainage pattern within the Rio Grande Floodplain, yet they do not actually convey storm water. (3) Lastly, There is insufficient - too no topographic relief in many areas of the city. Because of these three contributing factors, surface drainage system will collect water in low areas where it is either allowed to evaporate or infiltrate or percolate into existing soils.

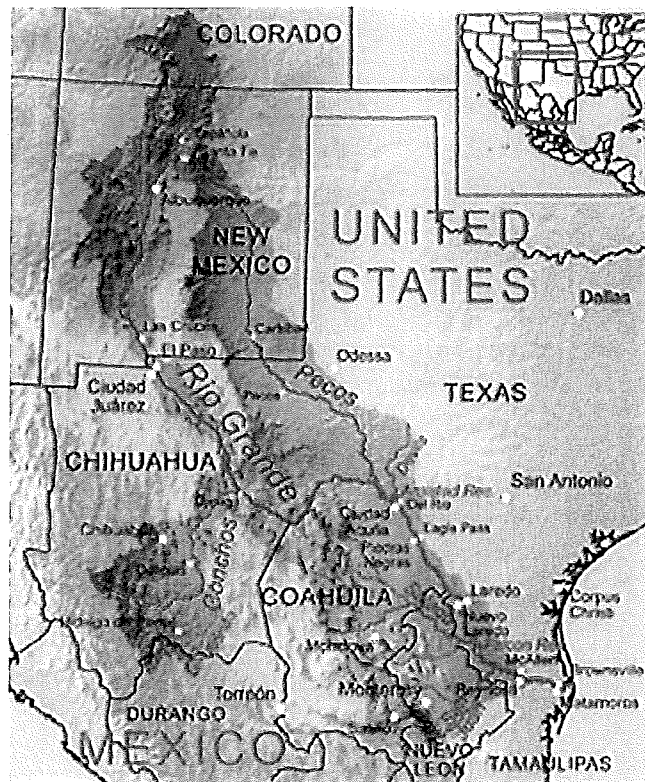


Figure 1-3: Far West Texas Region E
(Rio Grande Drainage Basin, Discover Watershed)

1.5 PHASE II MS4 PROGRAM

In August of 2007, the TCEQ finally published the Phase II MS4 regulations after a legal challenge of the rules by several environmental groups was ruled in favor of the EPA in 2005. There was a delay in the issuance of permits from 2003 to 2008. The TCEQ MS4 general permit is designated as TXR040000.

The state completed the process of renewing the general permit, which expired August 12, 2012. A notice of intent to renew the general permit was published in the Texas Register on April 13, 2012, to allow administrative continuance of coverage to regulated Phase II MS4 entities under the 2007 MS4 general permit.

On August 13, 2007 the TCEQ issued the first round general permit for small MS4s, Permit No. TXR040000, which expired on August 12, 2012. Regulated MS4 operators submitted notices of intent (NOI) along with developed SWMPs (synonymous to a Storm Water Pollution Prevention Plan, SWP-3) by February 11, 2008. The TCEQ administratively continued the first round general permit passed its expiration date of August 12, 2012.

On December 13, 2013 the TCEQ issued their new second round general permit for small MS4s. A copy of the new permit is provided in Appendix A. In summary, the second round permit requires that regulated MS4s comply with a number of administrative and legal requirements and to update, implement, and enforce a SWMP designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable to protect water quality.

1.7 MS4 LEVELS

The December 13, 2013 permit imposes compliance obligations on small MS4s based on the population inside the 2010 urbanized area and served by the small MS4. A four level system is defined in Part II.B.5 of the permit, which states:

- **Level 1:** Operators of traditional small MS4s that serve a population of less than 10,000 within an urbanized area;
- **Level 2:** Operators of traditional small MS4s that serve a population of at least 10,000 but less than 40,000 within an urbanized area. This category also includes all non- traditional small MS4s such as counties, drainage districts, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the urbanized area, unless the nontraditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served;
- **Level 3:** Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,00 within an urbanized area;
- **Level 4:** Operators of traditional small MS4s that serve a population of 100,000 or more within an urbanized area.

A Level 1 SWMP must address five areas, called Minimum Control Measures (MCM), as follows:

- Public Education, Outreach, and Involvement;
- Illicit Discharge Detection and Elimination;
- Construction Storm Water Runoff Control;
- Post-Construction Storm Water Management in New Development and Redevelopment; and, Pollution Prevention/Good Housekeeping for Municipal Operations.

A Level 2 non-traditional Storm Water Management Plan (SWMP) must address the five MCMs, but must include additional BMPs, as follows:

- Public Education, Outreach, and Involvement;
- Illicit Discharge Detection and Elimination;
- procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4
- Construction Storm Water Runoff Control;
- if illicit connections or illicit discharges are observed related to another operator's MS4, the permittee shall notify the other MS4 operator within 48 hours of discovery. If notification to the other MS4 operator is not practicable, then the permittee shall notify the appropriate TCEQ regional office of the possible illicit connection;
- Construction Storm Water Runoff Control;
- Post-Construction Storm Water Management in New Development and Redevelopment; and,
- Pollution Prevention/Good Housekeeping for Municipal Operations.

A Level 3 SWMP must address the five MCMs, but must include additional BMPs, as follows:

- Public Education, Outreach, and Involvement;
- Illicit Discharge Detection and Elimination;
- procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4
- Construction Storm Water Runoff Control;
- source investigation and elimination;
- Construction Storm Water Runoff Control;
- Construction Site inventory;
- Post-Construction Storm Water Management in New Development and Redevelopment; and,
- Pollution Prevention/Good Housekeeping for Municipal Operations;
- Storm sewer system O&M;
- O&M program to reduce pollutants from roads;
- Mapping;
- Facility assessment;
- Facility SOPs;
- Stormwater controls for high priority facilities;
- inspections.

A Level 4 SWMP must address the five MCMs, plus an additional MCM (Industrial Stormwater Sources), and must include additional BMPs, as follows:

Public Education, Outreach, and Involvement;

- Illicit Discharge Detection and Elimination;
 - procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4
 - Construction Storm Water Runoff Control;
 - procedures for identifying priority areas within the small MS4 likely to have illicit discharges, and a list of all such areas identified in the small MS4;
 - field screening to detect illicit discharges;
 - source investigation and elimination;
 - Identification of Priority Areas;
 - Dry Weather Field Screening;
- Construction Storm Water Runoff Control;
 - Construction Site inventory;
- Post-Construction Storm Water Management in New Development and Redevelopment;
 - Inspections; and,
- Pollution Prevention/Good Housekeeping for Municipal Operations;
 - Storm sewer system O&M;
 - O&M program to reduce pollutants from roads;
 - Mapping;
 - Facility assessment;
 - Facility SOPs;
 - Stormwater controls for high priority facilities;
 - Inspections.
- Industrial Stormwater Sources uninterested

Table 2-0 SOCORRO TEXAS TPDES LEVEL			
MS4	Permit No.	2010 Population	MS4 LEVEL
Socorro	TXR040003	32,013	2

For each MCM the Storm Water Management Plan (SWMP) Synonymous to a Storm Water Pollution Prevention Plan (SWP-3) must:

- Define measurable goals that include the development of ordinances or other regulatory mechanisms, allowed by state, federal and local law, providing the legal authority necessary to implement and enforce the requirements of this permit, including information on any limitations to the legal authority;
- Define a schedule including the months and years in which the permittee will undertake required actions, including interim milestones and the frequency of the action;
- Include a summary of written procedures describing how the permittee will implement the SWMP; and,

1.8 THE PURPOSE OF THE SWMP

This document serves as the Socorro SWMP, synonymous to a Storm Water Pollution Prevention Plan (SWP-3). It includes all selected BMP's for each of the minimum control measures, measurable goals for each BMP, the evaluation method, an implementation schedule, and a rationale statement. This document provides a clear road map for implementing stormwater quality management activities to improve runoff quality and to maintain permit compliance.

1.9 ORGANIZATION OF THE SWMP

This document is organized into various sections as follows:

Section 1 – Introduction: This section provides background information on the stormwater regulatory program, defines the purpose of this document, and describes document organization.

Section 2 – MS4 Background: This section provides general information about the MS4, including setting and character, receiving water body conditions, form of government, legal authority, and a rationale statement for the SWMP.

Section 3 – Public Education, Outreach, and Involvement: This section describes the permit requirements, current BMPs, selected new BMP's, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Public Education, Outreach, and Involvement MCM.

Section 4 – Illicit Discharge Detection and Elimination: This section describes the permit requirements, current BMPs, selected new BMP's, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Illicit Discharge Detection and Elimination MCM.

Section 5 – Construction Site Stormwater Runoff Control: This section describes the permit requirements, current BMPs, selected new BMP's, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Construction Site Stormwater Runoff Control MCM.

Section 6 – Post Construction Stormwater Management in New Development and Redevelopment: This section describes the permit requirements, current BMPs, selected new BMP's, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Post Construction Stormwater Management in New Development and Redevelopment MCM.

Section 7 – Pollution Prevention/Good Housekeeping for Socorro’s Municipal Operations: This section describes the permit requirements, current BMPs, selected new BMP’s, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Pollution Prevention/Good Housekeeping for Socorro’s Municipal Operations MCM.

Section 8 – Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements: This section describes the permit requirements, current BMPs, selected new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements. The City of Socorro discharges to the Rio Grande River at Segment 2308, which does not qualify for Impaired Water Body. Total Maximum Daily Load (TMDL) information will not be required.

Section 9 – Legal Authority: This section describes the permit requirements and written procedures pertaining to the Legal Authority Requirements.

Section 10.0 – Illicit Discharge Detection and Elimination-Additional BMPs for MS4 Type II, Type III and Type IV: This section describes the permit requirements, new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to MCM’s 2 for MS4 Type II, Type III, and Type IV.

Section 11.0 – Construction Site Stormwater Runoff Control -Additional BMPs for MS4 Type III and Type IV: This section describes the permit requirements, new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to MCMs 3 for MS4 Type III and MS4 Type IV.

Section 12.0 – Post Construction Stormwater Management in New Development and Redevelopment -Additional BMPs for MS4 Type III and Type IV: This section describes the permit requirements, new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to MCMs 4 for MS4 Type III and MS4 Type IV.

Section 13.0 – Pollution Prevention/Good Housekeeping for Socorro’s Municipal Operations - Additional BMPs for MS4 Type III and Type IV: This section describes the permit requirements, new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to MCMs 5 for MS4 Type III and MS4 Type IV.

Section 14 – Industrial Stormwater Sources: This section describes the permit requirements, current BMPs, selected new BMPs, measurable goals, implementation schedule, legal authority, and written procedures pertaining to the Industrial Stormwater Sources MCM.

Section 15 – Record-Keeping and Reporting: This section describes the annual reporting requirements of the permit.

Section 16 – References: This section provides references used in writing this document.

2.0 MS4 BACKGROUND

2.1 BACKGROUND

This section provides a brief background of the MS4 (City of Socorro)

Table 2-1

Socorro	Established 1680	22.06 sq./miles	31°38'29"N/ 106°16'29"W	El Paso /Hudspeth	Hueco Bolson	Rio Grande River
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Southeastern Hueco Aquifer;

Location: The part of the Hueco Bolson that extends southeast from the El Paso/Hudspeth County line to Indian Hot Springs is designated as the "Southern Hueco Bolson"

Utilization: Low capacity domestic and live stock well are used by local population and livestock industry.

Could almost be considered under-developed due to low yield and high salinities of aquifer. Ground water is discharged from the Rio Grande alluvium: by irrigation pumping, subsurface seepage to the Rio Grande, by leakage to drains, and by cross-formational leakage to the Hueco Bolson, where the water are diverted by municipal pumping.

2.2 WITH AND WITHOUT TOTAL MAXIMUM DAILY LOADS

Section 303(d) of the CWA directs states to identify and prioritize waters which do not meet water quality standards – called "Impaired" – and for which a Total Maximum Daily Load ("TMDL") must be developed. A TMDL is the total amount of a pollutant that can be discharged to a water body without causing the water body to be impaired. This information is used to determine which waters do not meet water quality standards. Receiving waters can be categorized into three groups, as follows:

- **Waters Meeting Standards:** These are waters that are meeting surface water quality standards and that do not appear on the Section 303(d) list. The MS4 operator is only required to implement TXR040000 provisions other than Part II.D.4 in these watersheds. See Table 2.1 for a list of waters meeting standards that receive discharges directly from the MS4.
- **Impaired Waters without an EPA Approved TMDL:** These are waters that are not meeting surface water quality standards, do appear on the Section 303(d) list, but do not yet have an EPA approved TMDL. The MS4 operator is required to implement TXR040000 provisions including Part II.D.4.b. but not including Part II.D.4.a. See Table 2-2 for a list of impaired waters without an EPA approved TMDL that receive discharges directly from the MS4s.

• **Impaired Waters with an EPA Approved TMDL:** These are waters that are not meeting surface water quality standards, do appear on the Section 303(d) list, and do have an EPA approved TMDL. The MS4 operator is required to implement TXR040000 provisions including Part II.D.4.a. but not including Part II.D.4.b. See Table 2-3 for a list of impaired waters and their associated watersheds with an EPA approved TMDL that receive discharges from the MS4, directly or indirectly through another MS4. This information is blank due to the fact that the MS4 does not discharge to any impaired waters requiring EPA approved TMDLs.

The City of Socorro discharges to the Rio Grande River at Segment 2308, which does not qualify for Impaired Water Body. Total Maximum Daily Load (TMDL) information will not be required.

Table 2-3 List of Impaired Waters without an EPA Approved TMDL that Receive Stormwater Discharges Directly from the MS4 (TCEQ, 2013b)		
Name	Segment ID	303(d) Impairment Parameter
N/A	N/A	(N/A) No Parameters Required

Table 2-4 List of Impaired Watersheds with an EPA Approved TMDL that Receive Stormwater Discharges from the MS4 Directly or Indirectly Through Another MS4 (TCEQ, 2014)		
Name	Segment ID	303(d) Impairment Parameter
Rio Grande River	2308	(N/A) No Parameters Required

Table 2-5 Receiving Waters associated with the MS4s	
MS4	Rio Grande River
Socorro	X

*impaired

2.3 FORM OF GOVERNMENT AND LEGAL AUTHORITY

Mayor-Council - Characteristics include:

- Mayor is elected separately from the council, is often full-time and paid, with significant administrative and budgetary authority
- Depending on the municipal charter, the mayor could have weak or strong powers
- Council is elected and maintains legislative powers
- Some cities appoint a professional manager who maintains limited administrative authority

Special District – Characteristics include:

- It's a unit of local government created by the state for a specific function
- Multi-purpose

County – Characteristics include:

- Governing body is commissioners court, which consists of county judge and four commissioners
- County judge is elected at-large, while commissioners are elected from precincts
- Each serves a four-year term

Table 2-6 FORM OF GOVERNMENT		
MS4	Form of Government	Legal Authority
Socorro	M Mayor-Council	A General Law

a – General Law A b- General Law B h – Home Rule I – Inter-local Agreement
M – Mayor-Council C – County S – Special District

A municipality is a Type A General-Law Municipality if it:

- (1) has incorporated as a Type A general-law municipality under Subchapter A of Chapter 6 and has not acted to change to another type of municipality;
- (2) has changed to a Type A general-law municipality under Subchapter B of Chapter 6 and has not acted to change to another type of municipality; or
- (3) operated, immediately preceding September 1, 1987, under Chapters 1-10, Title 28, Revised Statutes, and has not acted to change to another type of municipality.

A municipality is a Type B General-Law Municipality if it:

- (1) has incorporated as a Type B general-law municipality under Chapter 7 and has not acted to change to another type of municipality; or
- (2) operated, immediately preceding September 1, 1987, under Chapter 11, Title 28, Revised Statutes, and has not acted to change to another type of municipality.

A home rule municipality operates under a municipal charter that has been adopted or amended as authorized by Article XI, Section 5, of the Texas Constitution.

The governing body of a municipality, county or special district may adopt, publish, amend, or repeal an ordinance, order, rule, policy and/or regulations that:

1. Is for the good of the government, peace, or order of the municipality or for the trade and commerce of the municipality; and
2. Is necessary or proper for carrying out a power granted by law to the local government or to an office or department of the local government.
3. Adopt an ordinance, act, law, or regulation, not inconsistent with state law, that is necessary for the government, interest, welfare, or good order of the municipality as a body politic.
4. Sue and be sued, implead and be impleaded, and answer and be answered in any matter in any court or other place.
5. Contract with other persons.
6. Take, hold, purchase, lease, grant, or convey property located in or outside the local government, and the governing body of the local government may manage and control the property belonging to the local government.

After obtaining coverage under TXR040000 the City of Socorro will have reviewed the existing ordinances and Acting or Authorized Environmental Department will certify ordinances to apply them toward our Stormwater Permit. Copies of these regulations are included in Appendix B. In summary, the MS4 stormwater ordinances define the enforcement authority, prohibitions, right of entry, and enforcement procedures necessary to implement the MS4's Illicit Discharge Detection Elimination Program, the Construction Site Program, and the Post- Construction Program.

The City of Socorro has the authority to:

- prohibit illicit discharges and illicit connections;
- respond to and contain other releases
- Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4;
- require compliance with conditions in the permittee's ordinances, permits, contracts, and/or orders;
- require installation, implementation, and maintenance of control measures;
- receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;
- as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;

- respond to non-compliance with BMPs required by the small MS4 consistent with their ordinances or other regulatory mechanism(s);
- enter into inter-agency or inter-local agreements or other maintenance agreements, as necessary.

City of Socorro Municipality can assess penalties, including monetary, civil, or criminal penalties. According to Part III of the General Permit, a non-traditional MS4 may enter into interlocal agreements with municipalities in order to meet the goals of the permit if the MS4 does not have enforcement authority and is unable to meet the goals of the general permit through its own powers.

2.4 RATIONALE STATEMENT FOR SWMP

During the development of this SWMP, the City of Socorro considered BMP's that would: protect water quality, comply with TPDES Permit No. 040000, and ensure program costs that would not create unnecessary hardship on MS4 residents and businesses. Established stormwater programs for the MS4 operators were reviewed and evaluated. BMP's for each minimum control measure were considered, matched and selected. BMP's were ultimately selected based on overall effectiveness, affordability, and suitability to the City of Socorro MS4 community.

The SWMP has been developed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP). The City of Socorro has sought to meet the MEP standard by utilizing existing and new programs or BMP's to fulfill the requirements of this general permit. The program will allow continual adjustment and refinement through MS4 implementation experience and feedback from all sectors of industry, the residential and business community.

Section 3.0 through Section 14.0 describe the SWMP and the Best Management Practices (BMPs) selected to comply with the TPDES program's six (6) Minimum Control Measures (MCMs). Sections 3.0 to 9.0 apply to all MS4 types (I-IV). Sections 10.0 to 14.0 apply to MS4s Type II, III and/or IV. Section 3.0 through Section 7.0 discuss the existing Stormwater programs and include additional activities added to comply with the new TPDES permit requirements.

The SWMP is organized in the following format:

Section 3.0 - Public Education, Outreach, and Involvement
 Section 4.0 - Illicit Discharge Detection and Elimination (IDDE)
 Section 5.0 - Construction Site Stormwater Runoff Control
 Section 6.0 - Post-Construction Stormwater Management in New Development and Redevelopment
 Section 7.0 - Pollution Prevention and Good Housekeeping for Municipal Operations
 Section 8.0 - Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements
 Section 9.0 - Legal Authority
 Section 10.0 – Illicit Discharge Detection and Elimination-Additional BMPs for MS4 Type II, Type III and Type IV.
 Section 11.0 – Construction Site Stormwater Runoff Control -Additional BMPs for MS4 Type III & Type IV:

Section 12.0 – Post Construction Stormwater Management in New Development and Redevelopment - Additional BMPs for MS4 Type III and Type IV.

Section 13.0 – Pollution Prevention/Good Housekeeping for Municipal Operations -Additional BMPs for MS4 Type III and Type IV.

Section 14.0 – Industrial Stormwater Sources (MS4 Type IV only)

The MS4 SWMP has been developed to meet the following regulatory requirements from the TCEQ TPDES General Permit TXR40000:

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

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

The implementation schedule for this SWMP is as follows:

Year 1: December 2013 – December 2014

Year 2: December 2014 – December 2015

Year 3: December 2015 – December 2016

Year 4: December 2016 – December 2017

Year 5: December 2017 – December 2018

3.0 PUBLIC EDUCATION, OUTREACH, AND INVOLVEMENT

The following section presents the permit requirement for the Public Education, Outreach, and Involvement Program. The section describes the existing BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief discussion of current programs, a description of the BMPs selected for each MCM, a proposed implementation schedule for each BMP, and performance measures for the programs.

3.1 Public Education, Outreach, and Involvement Permit Text

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #1):

1. Public Education, Outreach, and Involvement

(a) Public Education and Outreach

(1) All permittees shall develop, implement, and maintain a comprehensive stormwater education and outreach program to educate public employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste and about the impact that stormwater discharges can have on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater. Existing permittees shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of this permit term.

The program must, at a minimum:

- a. Define the goals and objectives of the program based on high priority community-wide issues (for example, reduction of nitrogen in discharges from the small MS4, promoting previous techniques used in the small MS4, or improving the quality of discharges);**
- b. Identify the target audience(s);**
- c. Develop or utilize appropriate educational materials, such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, and websites;**
- d. Determine cost effective and practical methods and procedures for distribution of materials.**
- (2) Throughout the permit term, all permittees shall make the educational materials available to convey the program's message to the target audience(s) at least annually.**
- (3) All permittees shall review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2. Any changes must be reflected in the annual report. Such written procedures must be maintained, either on site or in the SWMP and made available for inspection by the TCEQ.**
- (4) MS4 operators may partner with other MS4 operators to maximize the program and cost effectiveness of the required outreach.**

(b) Public Involvement

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

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

- (1) If feasible, consider using public input (for example, the opportunity for public comment, or public meetings) in the implementation of the program;**
- (2) If feasible, create opportunities for citizens to participate in the implementation of control measures, such as stream cleanups, storm drain stenciling, volunteer monitoring, volunteer "Adopt-A-Highway" programs, and educational activities;**
- (3) Ensure the public can easily find information about the SWMP.**

3.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 1.

Table 3-0: Public Education, Outreach, and Involvement BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
3.2.0	Assess Public Education, Outreach and Involvement program	X	X	X	X	X
3.2.1	Utility Bill Insert, self-service materials and/or mailouts	X	X	X	X	X
3.2.2	Wet Site	X	X	X	X	X
3.2.3	Classroom Presentations	X	X	X	X	X
3.2.4	Stenciling	X	X	X	X	X
3.2.5	Videos	X	X	X	X	X
3.2.6	Signage	X	X	X	X	X
3.2.7	Community Outreach	X	X	X	X	X
3.2.8	Education	X	X	X	X	X
3.2.9	Public Meetings	X	X	X	X	X
3.2.10	Advisory Workgroup	X	X	X	X	X
3.2.11	Hotline	X	X	X	X	X

3.2.0 Assess Public Education, outreach and involvement program.

The City of Socorro will evaluate program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. The City of Socorro, at a minimum will define the goals and objectives of the program based on high priority community-wide issues, Identify the target audience(s), develop or utilize appropriate educational materials, and determine cost effective and practical methods and procedures.

Table 3-1: Implementation Schedule – Assess Public Education, Outreach and Involvement program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Assess program	Complete Activity	Annual
Year 2-5	Update program as needed	Complete Activity	Annual
Year 2-5	Submit NOC as needed	Complete Activity	As needed

3.2.1 Utility Bill Inserts, self service materials and/or mailouts

City of Socorro will incorporate outreach materials in the forms of small brochures, informative handouts or fact sheets will continue to be distributed with municipal water utility bills and/or mailouts as budget allows. This BMP program is already being utilized at self-service area located in a public facility (library, city hall, main office, etc.) where community members, visitors, students, and other individuals can obtain outreach materials like brochures, announcements and factsheets. Information shall include various topics like waste oil disposal, use of pesticides and fertilizers on landscaping, household hazardous waste, water quality, and the SWMP in general. The MS4 already is using existing outreach materials it has developed along with materials from the IBWC, TCEQ, EPA and other organizations.

Table 3-2: Implementation Schedule – Utility Bill Inserts, self service materials and/or mailouts

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct a delivery of outreach material	Record date and type of outreach material delivered	Ongoing / Annually
Year 1-5	Acquire outreach materials	Record type of material obtained	Ongoing / Annually
Year 2-5	Assess the BMP and update as necessary	Identify and determine annual budget	Annual
Year 1-5	Self Service Area	Record quantity printed	Annual

3.2.2 Web Site

Background and other information on the SWMP, including the MCMs along with specific information promoting the stormwater education program and other general information can be found City of Socorro Stormwater Website (publicworks@ci.socorro.tx.us). This web site will be updated regularly as deemed necessary.

The objective of this BMP is to continue to provide real time SWMP information to the public, including data, updates, policy and public hearing schedules via a website. The website BMP will continue providing outreach materials, training schedules, downloadable information and an email address for feedback from the public. The websites will specifically target the TPDES Phase II program. The website will be expanded to include a website visitor counter. The feasibility of providing a feedback blog will be assessed.

Table 3-4: Implementation Schedule – Web Site

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Update website regularly	Record date and type of update	Quarterly
Year 2-5	Review amount of visits to the website	Record visitors	Once a month
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate visits, feedback	Once a month

3.2.3 Classroom Presentations

A curriculum with associated materials and training is available and advertised to classroom teachers from various Schools located within City of Socorro School District. Program materials include curriculum on water quality and water conservation, stormwater pollution prevention, and promotion of the SWMP. Classroom visits are conducted by the City of Socorro that will include guest speakers.

The MS4 will also promote the Rio Grande Watershed Protection Plan/Program and work with the LVWD to promote mutually beneficial goals. A watershed model, a rain harvesting model, a pervious parking lot model developed by the City of Socorro will be available to the school districts. The BMP will can expanded to include production of a monthly report that will include school to be visited, activity to be conducted and outreached.

Table 3-5: Implementation Schedule – Classroom Presentations

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct school room visits	Record date and type of outreach conducted. Record number of individuals outreached	Ongoing, up to twice a year
Year 2-5	Assess the BMP and update as necessary	Report to include data	Semi-annual

3.2.4 Stenciling

A successful storm drain stenciling program will be initiated by the City of Socorro during this permit period. Using City of Socorro government staff funding, will provided stormwater education programs and facilitated storm drain stenciling activities with youth and citizens' organizations, and as part of City of Socorro stormwater management program. The City of Socorro will continue to facilitate the development of partnerships with local youth groups to perform a substantial portion of the storm drain stenciling work as needed. These groups may include the Boys & Girls Clubs, Boy Scouts of America, and local environmental consulting and educational groups like the Texas Master Naturalists (TMN). The stencil will include the City Logo along with Stormwater Department Hotline. The City of Socorro emergency hotline is connected to the Police communications center; (915) 858-6986.

Table 3-6: Implementation Schedule – Stenciling

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct outreach activities in each MS4's jurisdiction	Record date and type of activity	Ongoing, annual
Year 2-5	Record amount of stencils (retrofitted/replaced, new installs, etc.)	Record information. Achieve 100% by Year 5	Ongoing, Year 5
Year 2-5	Develop, implement inspection program	Tally stenciling replacement and new installations	Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate visits, feedback	Annual

3.2.5 Brochures and Videos

The City of Socorro will produced various brochures during the previous permit period and successfully delivered to the Socorro region. Samples of brochures will routinely been submitted to the TCEQ via the annual reporting process. Topics will include soil erosion prevention, rain harvesting, low impact development, and Rio Grande watershed protection topics. *A Drop In The Bucket, Stormwater Pollution Prevention*, and similar video campaigns initiated by the EPA will be adopted by the City of Socorro and delivered to the public access Channels (local school district television), local government networks and websites. The Public Service Announcements (PSA) program will include customized projects, i.e. documentary and 30-second clips in English and Spanish. The City of Socorro will continue outreach and will expand the effort by developing new customized PSA's during the permit period. Additional brochures will be developed. Similar delivery tools will be utilized. This BMP also will used self-service stations (public-owned facility lobbies), libraries and outreach events to present and deliver information.

Table 3-7: Brochures and Videos

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct outreach activities (i.e. earth day, etc.) in each MS4's jurisdiction.	Record date and type of activity	Ongoing, annual
Year 2-5	Deliver PSA to MS4 jurisdictions	Record type of delivery and date	Annual
Year 1-5	Deliver outreach materials	Record type of delivery and date(s)	Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate visits, feedback	Annual

3.2.6 Signage

Stormwater Pollution Prevention signs will be designed, produced and installed along major intersections within the City of Socorro. The signs bear the logos from the City of Socorro. Signage will be placed throughout the City of Socorro at locations where pedestrians and vehicle drivers will recognize the sign as an indicator of a local water body that should be protected, the importance of water quality, and the potential effects of stormwater pollution. Messages will be conveyed in English and Spanish were possible. This BMP will continue by City of Socorro.

Table 3-8: Signage

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct outreach activities (i.e. earth day, etc.) in each MS4's jurisdiction using a signage theme (NPS, HHW, Recycle, etc.).	Record date and type of activity.	Ongoing, annual
Year 1-5	Deliver outreach materials	Record type of delivery and date(s)	Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, feedback	Annual

3.2.7 Community Outreach

The City of Socorro will provide educational and outreach materials to the community, including brochures, fact sheets and handouts. These materials will be made available at City of Socorro City Hall, and throughout public-owned facilities within our jurisdiction. Materials will be made available to developers, industrial facilities, businesses, and contractors during the planning and permitting processes. The City of Socorro will promote the Stormwater pollution prevention outreach program at various annual community events. Booths, brochures, children-friendly materials, and other similar approaches will be utilized. The City of Socorro shall consider designating a day or a week for stormwater pollution prevention awareness. The City of Socorro will develop partnerships with various regional entities and coordinate with annual conferences that promote SWMPs within the region along with environmental stewardship and the Rio Grande Water Shed.

Table 3-9: Community Outreach

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Help organize an annual conference in the region	Record type and date. Archive announcements	Ongoing, annual
Year 1-5	Contribute and participate at various annual events (HHW collections, community cleanups, etc.).	Record type and date(s) Archive announcements	Ongoing, annual
Year 1-5	Promote outreach (webinars, workshops, etc.) to local industrial businesses, contractors, developers, and the general public.	Record type and date(s) as appropriate	Ongoing, annual
Year 2-5	Establish partnerships (outreach, training, etc.) with professional organizations	Record events, meetings (dates, activity, etc.)	Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, feedback	Annual

3.2.8 Education – Rio Grande Watershed Protection

A watershed information curriculum with associated materials and training will be available and publicized to the local businesses, educational community and the general community. Program materials promote the Rio Grande Water Shed. The City of Socorro will continue to work closely with the local entities like the Texas Master Naturalists (TMN) to implement this BMP.

Table 3-10: Education – Watersheds

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Participate in community workgroup and local planning committee meetings	Record type and date. Archive announcements.	Ongoing
Year 2-5	Contribute and participate at various annual events (cleanup events, etc.)	Record type and date(s) Archive announcements	Once a year
Year 2-5	Promote outreach (presentations, workshops, etc.)	Record type and date(s) as appropriate	Annual
Year 2-5	Establish partnerships with non-profit organizations (UTEP, TMN, etc.)	Record events, meetings (dates, activity, etc.)	Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, feedback	Once a year

3.2.9 Public Meetings

Annual public meetings will be conducted to provide citizens with the opportunity to discuss various viewpoints and provide input concerning stormwater quality issues. Meetings are publicized in accordance with public notification requirements in Socorro's jurisdiction, such as a local newspaper or appropriate publication of wide circulation. Records of the meetings will be made available. This BMP will be expanded to include an additional public meeting.

Table 3-11: Public Hearings

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 2-5	Conduct Public Hearing	Record place and date. Archive announcements/agendas	Twice a year
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

3.2.10 Advisory Workgroup

This BMP will be developed to include City of Socorro Departments along with the Socorro City Organizations, which will help with input and feedback. The formation of a City Advisory Workgroup will include (City of Socorro Planning and Zoning Department, Building Department, Code Enforcement, Engineering, Public Works along with the Parks Department) that will provide information to effectively implement and evaluate the City of Socorro SWMP.

Table 3-12: Advisory Workgroup

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Conduct meetings	Record place and date. Archive announcements/agendas	Ongoing
Year 2-5	Provide a monthly calendar of events	Archive announcements/agendas.	Monthly
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

3.2.11 Hotline

A Stormwater/Spill Hotline will be developed and implemented by the City of Socorro to promote outreach, enforce policy and to facilitate public involvement. The hotline will be used for reporting illicit and illegal connections and discharges, illegal dumping, emergency and non-emergency incidents/spills and other stormwater related activities. The hotline operator will provide readily-available information and direction for further communication if warranted, direct notifications to the proper authorities, and record feedback, comments and recommendations.

Table 3-13: Hotline

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.0 ILLICIT DISCHARGE DETECTION ELIMINATION

The following section presents the permit requirement for the Illicit Discharge Detection and Elimination Program. The section describes the BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief discussion of current programs, a description of the BMPs selected for each MCM, a proposed implementation schedule for each BMP, and performance measures for the programs.

4.1 PERMIT REQUIREMENTS

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #2):

2. Illicit Discharge Detection and Elimination (IDDE)

(a) Program Development

(1) All permittees shall develop, implement and enforce a program to detect, investigate, and eliminate illicit discharges into the small MS4. The program must include a plan to detect and address non- stormwater discharges, including illegal dumping to the MS4 system. Existing permittees must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term and newly regulated Permittees shall have the program fully implemented by the end of this permit term. See also Part III.A.1(c).

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

- a. An up-to-date MS4 map (see Part III.B.2.(c)(1));**
 - b. Methods for informing and training MS4 field staff (See Part III.B.2.(c)(2));**
 - c. Procedures for tracing the source of an illicit discharge (see Part III. B.2.(c)(5));**
 - d. Procedures for removing the source of the illicit discharge (see Part III.B.2.(c)(5));**
- (3) If another MS4 operator notifies the permittee of an illegal connection or illicit discharge to the small MS4, then the permittee shall follow the requirements specified in Part III.B.2.(c)(3).**
- (4) All permittees shall review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2. Any changes must be reflected in the annual report. Such written procedures must be maintained, either on site or in the SWMP and made available for inspection by the TCEQ.**

(b) Allowable Non-Stormwater Discharges

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

(c) Requirements for all Permittees

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

(1) MS4 mapping

All permittees shall maintain an up-to-date MS4 map, which must be located on site and available for review by the TCEQ. The MS4 map must show at a minimum the following

information:

- a. The location of all small MS4 outfalls that are operated by the permittee and that discharge into waters of the U.S;**
- b. The location and name of all surface waters receiving discharges from the small MS4 outfalls;**
- c. Priority areas identified under Part III.B.2.(e)(1) if applicable.**

(2) Education and Training

All permittees shall implement a method for informing or training all the permittee's field staff that may come into contact with or otherwise observe an illicit discharge or illicit connection to the small MS4 as part of their normal job responsibilities. Training program materials and attendance lists must be maintained on site and made available for review by the TCEQ.

(3) Public Reporting of Illicit Discharges and Spills

To the extent feasible, all permittees shall publicize and facilitate public reporting of illicit discharges or water quality impacts associated with discharges into or from the small MS4. The permittee shall provide a central contact point to receive reports; for example by including a phone number for complaints and spill reporting.

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

(5) Source Investigation and Elimination

a. Minimum Investigation Requirements – Upon becoming aware of an illicit discharge, all permittees shall conduct an investigation to identify and locate the source of such illicit discharge as soon as practicable.

(i) All permittees shall prioritize the investigation of discharges based on their relative risk of pollution. For example, sanitary sewage may be considered a high priority discharge.

(ii) All permittees shall report to the TCEQ immediately upon becoming aware of the occurrence of any illicit flows believed to be an immediate threat to human health or the environment.

(iii) All permittees shall track all investigations and document, at a minimum, the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.

b. Identification and Investigation of the Source of the Illicit Discharge –All permittees shall investigate and document the source of illicit discharges where the permittees have jurisdiction to complete such an investigation. If the source of illicit discharge extends outside the permittee's boundary, all permittees shall notify the adjacent permitted MS4 operator or TCEQ's Field Operation Support Division according to Part III.A.3.b.

c. Corrective Action to Eliminate Illicit Discharge

(i) If and when the source of the illicit discharge has been determined, all permittees shall immediately notify the responsible party of the problem, and shall require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.

(6) Inspections –The permittee shall conduct inspections, as determined appropriate, in response to complaints, and shall conduct follow-up inspections as needed to ensure that corrective measures have been implemented by the responsible party.

4.2 EXPLANATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 2.

Table 4-0: Illicit Discharge Detection and Elimination (IDDE) BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program	X	X	X	X	X
4.2.1	Sewer Map	X	X	X	X	X
4.2.2	Illicit Discharge Elimination Ordinance	X	X	X	X	X
4.2.3	Business Education	X	X	X	X	X
4.2.4	Illicit Discharge Inspections	X	X	X	X	X
4.2.5	Business Site Inspections	X	X	X	X	X
4.2.6	Household Hazardous Waste	X	X	X	X	X
4.2.7	Source Investigation and Elimination	X	X	X	X	X
4.2.8	Hotline	X	X	X	X	X

4.2.0 Assess existing IDDE program

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

Table 4-1: Implementation Schedule – Assess existing IDDE program.

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.1 Sewer Map

The City of Socorro has developed a Storm sewer map, which show the locations of municipal storm sewer outfalls, the conveyance system as warranted, and the names and locations of state waters that receive discharges from those outfalls, to assure compliance with the TPDES requirements. The City of Socorro will continue to update the mapping and assess other strategies to improve this task.

Table 4-2: Implementation Schedule – Sewer Map

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.2 Illicit Discharge Elimination Ordinance

The existing ordinances will be reviewed and up-dated to assure that additional legal authority, where needed, will be incorporated into the existing language of the ordinances. Allowable and prohibited discharges will be reviewed.

Table 4-3: Implementation Schedule – Illicit Discharge Elimination Ordinance

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.3 Business and Local Industry Education

The City of Socorro will work together with its various partners and consultants to provide stormwater pollution prevention education materials to the commercial and industrial sectors identified as potentially significant contributors of pollutants to the MS4, including restaurants, recyclers, auto-salvage, contractors, developers and vehicle service facilities. Educational materials will be provided to businesses through the delivery tools defined in the MCM 1 Section. Detailed recordkeeping of activities performed will be maintained. Outreach items will be developed to educate business staff (contractors, industry, restaurants, groceries, auto facilities, etc.) to never dump wastes on the ground, and to help individuals understand that the storm drain connects directly to surface water. A stormwater fact sheet will be developed specifically for these kinds of businesses. Stormwater information will be added to any existing restaurant and businesses permitting fact sheets. All of the activities will be conducted in coordination with the activities performed to comply with the MCM #5 requirements so that one educational fact sheet will meet the needs for municipal fleet maintenance operations and vehicle repair, auto salvage, recycling and auto body businesses. In addition, the MS4s will obtain and/or develop information on potential stormwater impacts from pressure-washing gas stations, pressure-washing sidewalks and streets, discarded shopping materials, window and parts washing, concrete activities, and other business related activities. A brochure and outreach plan regarding BMPs for the aforementioned activities will be developed.

Table 4-4: Implementation Schedule – Business Education

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.4 Illicit Discharge Inspections

The City of Socorro will develop program to identify the presence and determine the source of illicit connections and illegal dumping activities and update program as necessary. The program will incorporate policy-making, response, inspections, spill response and reporting, auditing and training. The program will include training of building inspectors and other environmental staff. If necessary, the MS4s will entertain privatization of certain items on this BMP, in part, or in its entirety to environmental consultation.

Table 4-5: Implementation Schedule – Illicit Discharge Inspections

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.5 Business (Industrial Facilities) Site Inspections

The City of Socorro will continue to develop stormwater criteria to be required of all businesses, and solicit input from existing businesses regarding feasibility and appropriateness of the new criteria. A Criteria Checklist will be developed for vehicle salvage and repair shops, auto body shops, recyclers, restaurants and other similar businesses. The program will be enhanced to include inspections of major industrial businesses and of businesses that have the potential to adversely impact the MS4. Outreach will be conducted using MCM 1 delivery tools.

Table 4-6: Implementation Schedule – Business (Industrial Facilities) Site Inspections

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.6 Household Hazardous Waste

The City of Socorro will develop a Household Hazardous Waste Outreach Program. This BMP has been incorporated into MCM #1. The City of Socorro will seek partnerships with the SISDs and local environmental consultation group to possibly expand the program.

Table 4-7: Implementation Schedule – Household Hazardous Waste

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.2.7 Source Investigation and Elimination

The City of Socorro will develop a source investigation and elimination program. The program in response to an illicit discharge will include investigation to identify and locate the source of such illicit discharge as soon as practicable. The program will prioritize risk, provide for reporting as required, and the program shall track all investigations and document, at a minimum, the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed. The program will allow for notification of illicit discharges outside of its jurisdiction, and will provide for corrective action procedures.

Table 4-8: Implementation Schedule – Source Investigation and Elimination

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

Hotline

A Stormwater Hotline will be developed or changed from the current police number and implemented by The City of Socorro to report illicit and illegal connections and discharges, illegal dumping, emergency and non-emergency incidents and other stormwater related activities. This program will need the development of an "on-site readily available information and response procedures" to address calls. The hotline shall provide readily-available information and direction for further communication if warranted, direct notifications to the proper authorities, and record feedback, comments and recommendations. The BMP will be further assessed and updated as necessary during implementation.

Table 4-9: Hotline

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

4.3 Allowable Non-Stormwater Discharges

Non-stormwater flows listed in Part II.C of the new permit do not need to be considered by the permittee as an illicit discharge requiring elimination unless the permittee or the TCEQ identifies the flow as a significant source of pollutants to the small MS4. Pursuant to the new rules, the following non-stormwater flows are allowable discharges, unless the flows are determined by the permittee or the TCEQ to be significant contributors of pollutants to the small MS4, or they are otherwise prohibited by the MS4 operator. The permittee may regulate these flows through its legal authority.

1. Water line flushing (excluding discharges of hyper-chlorinated water, unless the water is first de-chlorinated 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; (Non-Commercial)
3. Discharges from potable water sources that Do Not Violate Texas Surface Water Quality Standards;
4. Diverted stream flows;
5. Rising ground waters and springs;
6. Uncontaminated ground water infiltration;
7. Uncontaminated pumped ground water;
8. Foundation and footing drains;
9. Air conditioning condensation; (not allowed to cause a nuisance per 2006 International Mechanical Code Section 307.2.1)
10. Water from crawl space pumps;
11. Individual residential vehicle washing;
12. Flows from wetlands and riparian habitats;
13. De-chlorinated swimming pool discharges that Do Not Violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper waste water;
15. Discharges or flows from emergency firefighting activities (firefighting activities DO NOT include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
17. Non-Stormwater Discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

The following section presents the permit requirement for the Construction Site Storm Water Runoff Control Program. The section describes the existing and new BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

5.1 PERMIT REQUIREMENTS

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit.

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #3):

3. Construction Site Stormwater Runoff Control

(a) Requirements and Control Measures

(1) All permittees shall develop, implement and enforce a program requiring operators of small and large construction activities, as defined in Part I of this general permit, to select, install, implement, and maintain stormwater control measures that prevent illicit discharges to the MEP. The program must include the development and implementation of an ordinance or other regulatory mechanism, as well as sanctions to ensure compliance to the extent allowable under state, federal, and local law, to require erosion and sediment control.

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

If TCEQ waives requirements for stormwater discharges associated with small construction from a specific site(s), the permittee is not required to enforce the program to reduce pollutant discharges from such site(s).

(b) Requirements for all Permittees

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

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

(2) All permittees shall require that construction site operators implement appropriate erosion and sediment control BMPs. The permittee's construction program must ensure the following minimum requirements are effectively implemented for all small and large construction activities discharging to its small MS4.

a. Erosion and Sediment Controls - Design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants.

b. Soil Stabilization - Stabilization of disturbed areas must, at a minimum, be initiated

immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization must be completed within a period of time determined by the permittee. In arid, semiarid, and drought-stricken areas, as determined by the permittee, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permittee.

c. BMPs – Design, install, implement, and maintain effective BMPs to minimize the discharge of pollutants to the small MS4. At a minimum, such BMPs must be designed, installed, implemented and maintained to:

- (i) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters;
- (ii) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater; and
- (iii) Minimize the discharge of pollutants from spills and leaks.

d. As an alternative to (a) through (c) above, all permittees shall ensure that all small and large construction activities discharging to the small MS4 have developed and implemented a stormwater pollution prevention plan (SWP3) in accordance with the TPDES CGP TXR150000. In arid, semiarid, and drought-stricken areas, as determined by the permittee, where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the permittee. As an alternative, vegetative stabilization measures may be implemented as soon as practicable.

(3) Prohibited Discharges - The following discharges are prohibited:

- a. Wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control;
- b. Wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials;
- c. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and,
- d. Soaps or solvents used in vehicle and equipment washing;
- e. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs.

(4) Construction Plan Review Procedures

To the extent allowable by state, federal, and local law, all permittees shall maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction. For those permittees without legal authority to enforce site plan reviews, this requirement is limited to those sites operated by the permittee and its contractors and located within the permittee's regulated area. The site plan procedures must meet the following minimum requirements:

- a. The site plan review procedures must incorporate consideration of potential water quality impacts.
- b. The permittee may not approve any plans unless the plans contain appropriate site specific construction site control measures that, at a minimum, meet the requirements described in Part III.B.3.(a) or in the TPDES CGP, TXR150000.

The permittee may require and accept a plan, such as a SWP3, that has been developed

pursuant to the CGP, TXR150000.

(5) Construction Site Inspections and Enforcement

To the extent allowable by state, federal, and local law, all permittees shall implement procedures for inspecting large and small construction projects. Permittees without legal authority to inspect construction sites shall at a minimum conduct inspections of sites operated by the permittee or its contractors and that are located in the permittee's regulated area.

a. Inspections must occur at a frequency determined by the permittee, based on the evaluation of factors that are a threat to water quality, such as: soil erosion potential; site slope; project size and type; sensitivity of receiving waterbodies; proximity to receiving waterbodies; non-stormwater discharges; and past record of non-compliance by the operators of the construction site.

b. Inspections must occur during the active construction phase.

(i) All permittees shall develop, implement, and revise as necessary, written procedures outlining the inspection and enforcement requirements. These procedures must be maintained on site or in the SWMP and be made available to TCEQ.

(ii) Inspections of construction sites must, at a minimum:

1. Determine whether the site has appropriate coverage under the TPDES CGP, TXR150000. If no coverage exists, notify the permittee of the need for permit coverage.
2. Conduct a site inspection to determine if control measures have been selected, installed, implemented, and maintained according to the small MS4's requirements.
3. Assess compliance with the permittee's ordinances and other regulations.
4. Provide a written or electronic inspection report.

c. Based on site inspection findings, all permittees shall take all necessary follow-up actions (for example, follow-up-inspections or enforcement) to ensure compliance with permit requirements and the SWMP. These follow-up and enforcement actions must be tracked and maintained for review by the TCEQ.

For non-traditional small MS4s with no enforcement powers, the permittee shall notify the adjacent MS4 operator with enforcement authority or the TCEQ's Field Operations Support Division according to Part III.A.3(b).

(6) Information submitted by the Public

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

(7) MS4 Staff Training

All permittees shall ensure that all staff whose primary job duties are related to implementing the construction stormwater program (including permitting, plan review, construction site inspections, and enforcement) are informed or trained to conduct these activities. The training may be conducted by the permittee or by outside trainers.

5.2 EXPLANATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 3.

Table 5-0: Construction Site Stormwater Controls BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program	X	X	X	X	X
4.2.1	Sewer Map	X	X	X	X	X
4.2.2	Illicit Discharge Elimination Ordinance	X	X	X	X	X
4.2.3	Business Education	X	X	X	X	X
4.2.4	Illicit Discharge Inspections	X	X	X	X	X
4.2.5	Business Site Inspections	X	X	X	X	X
4.2.6	Household Hazardous Waste	X	X	X	X	X
4.2.7	Source Investigation and Elimination	X	X	X	X	X
4.2.8	Hotline	X	X	X	X	X

5.2.0 Assess Existing Construction Site Stormwater Control program

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

Table 5-1: Implementation Schedule –Assess Existing Construction Site Stormwater Control program.

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.1 Erosion Control Ordinance

The City of Socorro has the legal authority to develop ordinances, and amend as needed. To comply with the new rules this existing BMP will be reviewed to assure language is included to accept input from public, prohibited discharges, and other additional items as stated in the language of MCM #5. The City of Socorro will continue to work in evaluating and implementing this and future ordinances. The ordinance includes engineering, construction and post-construction requirements that focus on erosion control. Furthermore, the ordinance regulates construction site stormwater runoff controls that reduce pollutants in stormwater runoff. Moreover, the ordinance stipulates sanctions to ensure compliance, to the extent allowable under Federal, State or local law. Non-traditional MS4s will adopt inter-local agreements with neighboring MS4s (City of El Paso) as required under the new rules. The ordinance regulates construction activities that result in land disturbance of greater than or equal to one (1) acre pursuant to the TPDES regulations. Reduction of pollutants in stormwater discharges from construction activity disturbing less than one acre is included in the program if that construction activity is part of a larger common plan of development that would disturb one (1) acre or more and also all residential lots located within the jurisdiction of the City of Socorro, TX. The BMP will be reviewed to comply with the small and large construction site definition, and other elements of the MCM #5. The MS4 legal department or attorney will be required to review the new ordinance language. The ordinance will be evaluated based on historical efforts, TCEQ guidelines and EPA sources.

Table 5-2: Implementation Schedule – Erosion Control Ordinance

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.2 Construction Site Plan Review and Oversight

A construction site stormwater runoff control program was developed and implemented to assure adequate design, implementation, and maintenance of BMPs at construction sites within the MS4s' service areas to reduce pollutant discharges and protect water quality. The program includes the development and implementation of:

- i. Requirements for construction site operators to implement appropriate erosion and sediment control BMPs;
- ii. Procedures for site plan review during planning and permitting which incorporate consideration of potential water quality impacts;
- iii. Permitting process;
- iv. A policy that defines responsibility for the on-site Stormwater Pollution Prevention Plan (SWP3) pursuant to TPDES regulations;
- v. Enforcement;
- vi. Training;
- vii. Public input, and recordkeeping;

The BMP will be assessed and amended as required to assure compliance with the additional requirements including but not limited to development of inspection reports, public input, to frequency of inspections, to approval process of plans, and delivery of enforcement information.

Table 5-3: Implementation Schedule – Construction Site Plan Review and Oversight

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.3 Site Inspection and Policy Enforcement

The City of Socorro construction site Stormwater runoff control program has an inspection and enforcement component. The City of Socorro will develop and will consistently update its site inspection and enforcement of control measures as needed. The City of Socorro will continue to evaluate in house staff and identify resources to implement and improve this BMP.

Table 5-4: Implementation Schedule – Site Inspection and Policy Enforcement

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.4 Training for Regulated Community

The City of Socorro will be working on a contractor certification program, which includes courses, webinars and other events solicited to and attend by contractors, engineers, and other professionals. The City of Socorro will continue to develop education requirements, course curricula, continuing education classes, training, and other activities that will assure competent project managers will oversee TPDES regulated activities within construction sites within the MS4s' permitted areas. The City of Socorro will continue to work with surrounding entities to review other certification programs within the State of Texas.

Table 5-5: Implementation Schedule – Training for Regulated Community

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.5 Construction Site Waste Management

The City of Socorro will develop requirements for construction site operators to control waste such as discarded building materials, refueling, concrete truck washout, chemicals, litter, off-tracking, perimeter control and sanitary waste at construction site that may cause adverse impacts to water quality.

Table 5-6: Implementation Schedule – Construction Site Waste Management

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

5.2.6 Provide Construction BMP Outreach Program

The City of Socorro will developed a comprehensive menu of pre-approved BMPs for use within their permitted areas, outreach material describing construction BMPs were developed and delivered as part of the outreach program.

Table 5-7: Implementation Schedule – Provide Construction BMP outreach program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.0 POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

The following section presents the permit requirement for the Post-Construction Storm Water Management in New Development and Redevelopment Program. The section describes the existing BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

6.1 PERMIT REQUIREMENTS

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit.

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #4):

Post-Construction Stormwater Management in New Development and Redevelopment

(a) Post-Construction Stormwater Management Program

(1) All permittees shall develop, implement and enforce a program, to the extent allowable under state, federal, and local law, to control stormwater discharges from new development and redeveloped sites that discharge into the small MS4 that disturb one acre or more, including projects that disturb less than one acre that are part of a larger common plan of development or sale. The program must be established for private and public development sites. The program may utilize an offsite mitigation and payment in lieu of components to address this requirement.

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

(2) All permittees shall use, to the extent allowable under state, federal, and local law and local development standards, an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects. The permittees shall establish, implement, and enforce a requirement, that owners or operators of new development and redeveloped sites design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality. If the construction of permanent structures is not feasible due to space limitations, health and safety concerns, cost effectiveness, or highway construction codes, the permittee may propose an alternative approach to TCEQ. Newly regulated permittees shall have the program element fully implemented by the end of the permit term.

(b) Requirements for all Permittees

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

(1) All permittees shall review and update as necessary, the SWMP and MCM implementation procedures required by Part III.A.2.. Any changes must be included in the annual report. Such

written procedures must be maintained either on site or in the SWMP and made available for inspection by TCEQ.

(2) All permittees shall document and maintain records of enforcement actions and make them available for review by the TCEQ.

(3) Long-Term Maintenance of Post-Construction Stormwater Control Measures All permittees shall, to the extent allowable under state, federal, and local law, ensure the long-term operation and maintenance of structural stormwater control measures installed through one or both of the following approaches:

a. Maintenance performed by the permittee. See Part III.B.5

b. Maintenance performed by the owner or operator of a new development or redeveloped site under a maintenance plan. The maintenance plan must be filed in the real property records of the county in which the property is located. The permittee shall require the owner or operator of any new development or redeveloped site to develop and implement a maintenance plan addressing maintenance requirements for any structural control measures installed on site. The permittee shall require operation and maintenance performed is documented and retained on site, such as at the offices of the owner or operator, and made available for review by the small MS4.

6.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 5.

Table 6-1: Post-Construction Stormwater Management in New Development and Redevelopment BMPs

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.2.0 Assess Existing Post Construction Stormwater Management in New Development and Redevelopment Program

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

Table 6-0: Implementation Schedule – Post Construction Stormwater Management in New Development and Redevelopment Program.

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.2.1 Post-Construction Ordinance

The management of stormwater runoff from sites after the construction phase is vital to controlling the impacts of development on urban water quality. The increase in impervious surfaces such as rooftops, roads, parking lots, and sidewalks due to land development can have a detrimental effect on aquatic systems. Increased areas of impervious cover have been associated with stream warming and loss of aquatic biodiversity in urban areas. Runoff from impervious areas can also contain a variety of pollutants that are detrimental to water quality, including sediment, nutrients, road salts, heavy metals, pathogenic bacteria, and petroleum hydrocarbons.

The main goal of the post-construction for existing development is to limit surface runoff volumes and reduce water runoff pollution loadings. The City of Socorro will work on updating post construction BMP strategies.

Pursuant to the new rules, the City of Socorro will expand the post-construction program to include further review the Ordinance, expand the activities of the existing ordinance to include adoption of this ordinance, and develop an outreach program (new activity). Other ideas will be reviewed (innovative methods, incentive program, offsite mitigation, etc.) that can be included in an ordinance to improve its ability to control stormwater runoff.

The ordinance will include what nonstructural and structural stormwater practices are allowed within the public and private sector community. The City of Socorro may also wish to add language regarding on-site stormwater requirements and whether off-site treatment is an option. The MS4s will review examples of existing ordinances including language dealing with each of the issues above. The City of Socorro will examine each ordinance for the language that is appropriate for the stormwater program.

Table 6-2: Implementation Schedule – Post-Construction Ordinance

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.2.2 Drainage Design Policy

The City of Socorro is reviewing existing drainage design policies and is working on provision to implement proper erosion and sediment controls, plat recordings, post construction BMPs, housekeeping of BMPs, inspections and enforcement, contractual instruments (public and private sector) and waste management as applicable.

Table 6-3: Implementation Schedule – Drainage Design Policy

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.2.3 BMP Maintenance

The City of Socorro has a program to establish regular and routine inspections and maintenance procedures for structural post construction BMPs. The program included a model ordinance. The City of Socorro will continue to develop this BMP, to incorporate the new rules. This BMP will assure post construction BMPs are in good working order, aesthetically pleasing, and repaired as soon as possible.

Table 6-4: Implementation Schedule – BMP Maintenance

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

6.2.4 Land Use

The City of Socorro will develop an awareness program on land use via the land use workgroup of the local associations for the protection of the Rio Grande River Water Shed. The City of Socorro will continue to access stormwater management measures of its existing land use policies and zoning requirements. The revised program will include long-term maintenance of post-construction stormwater control measures that may be included in this model ordinance or as a separate instrument. Recording (at the County, City Hall, etc.) of activities as required by the new permit will be included in this program.

Table 6-5: Implementation Schedule – Land Use

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The following section presents the permit requirement for the Pollution Prevention and Good Housekeeping for Municipal Operations Program. The section describes the existing BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

7.1 PERMIT REQUIREMENTS

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit. The BMPs listed in this section were selected to meet the following regulatory requirement:

Pollution Prevention and Good Housekeeping for Municipal Operations Program development

(1) All permittees shall develop and implement an operation and maintenance program, including an employee training component that has the ultimate goal of preventing or reducing pollutant runoff from municipal activities and municipally owned areas including but not limited to park and open space maintenance; street, road, or highway maintenance; fleet and building maintenance; stormwater system maintenance; new construction and land disturbances; municipal parking lots; vehicle and equipment maintenance and storage yards; waste transfer stations; and salt/sand storage locations.

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

(b) Requirements for all Permittees

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

(1) Permittee-owned Facilities and Control Inventory

All permittees shall develop and maintain an inventory of facilities and stormwater controls that it owns and operates within the regulated area of the small MS4. If feasible, the inventory may include all applicable permit numbers, registration numbers, and authorizations for each facility or controls. The inventory must be available for review by TCEQ and must include, but is not limited, to the following, as applicable:

- a. Composting facilities;**
- b. Equipment storage and maintenance facilities;**
- c. Fuel storage facilities;**
- d. Hazardous waste disposal facilities;**
- e. Hazardous waste handling and transfer facilities;**
- f. Incinerators;**
- g. Landfills;**
- h. Materials storage yards;**
- i. Pesticide storage facilities;**
- j. Buildings, including schools, libraries, police stations, fire stations, and office buildings;**
- k. Parking lots;**

- l. Golf courses;**
- m. Swimming pools;**
- n. Public works yards;**
- o. Recycling facilities;**
- p. Salt storage facilities;**
- q. Solid waste handling and transfer facilities;**
- r. Street repair and maintenance sites;**
- s. Vehicle storage and maintenance yards; and**
- t. Structural stormwater controls.**

(2) Training and Education

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

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

(4) Contractor Requirements and Oversight

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

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

(5) Municipal Operation and Maintenance Activities

a. Assessment of permittee-owned operations

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

(i) Road and parking lot maintenance may include such areas as pothole repair, pavement marking, sealing, and re-paving;

(ii) Bridge maintenance may include such areas as re-chipping, grinding, and saw cutting;

(iii) Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and

(iv) Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.

b. All permittees shall identify pollutants of concern that could be discharged from the above O&M activities (for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash).

c. All permittees shall develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the above activities. These pollution prevention measures may include the following examples:

(i) Replacing materials and chemicals with more environmentally benign materials or methods;

(ii) Changing operations to minimize the exposure or mobilization of pollutants to prevent them from entering surface waters; and

(iii) Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters.

d. Inspection of pollution prevention measures - All pollution prevention measures implemented at

permittee-owned facilities must be visually inspected at a frequency determined by the permittee to ensure they are working properly. A log of inspections must be maintained and made available for review by the TCEQ upon request.

(6) Structural Control Maintenance

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

7.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 5.

Table 7-0: Pollution Prevention/Good Housekeeping for Municipal Operations BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program	X	X	X	X	X
4.2.1	Sewer Map	X	X	X	X	X
4.2.2	Illicit Discharge Elimination Ordinance	X	X	X	X	X
4.2.3	Business Education	X	X	X	X	X
4.2.4	Illicit Discharge Inspections	X	X	X	X	X
4.2.5	Business Site Inspections	X	X	X	X	X
4.2.6	Household Hazardous Waste	X	X	X	X	X
4.2.7	Source Investigation and Elimination	X	X	X	X	X
4.2.8	Hotline	X	X	X	X	X

7.2.0 Assess Pollution Prevention/Good Housekeeping for Municipal Operations program

Permittees will assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP (Maximum Extent Possible). New elements will be fully implemented by the end of this permit term and newly regulated permittees shall have the program fully implemented by the end of this permit term. The program will be updated as needed throughout the permit period.

Table 7-1: Implementation Schedule –Assess Existing Pollution Prevention/Good Housekeeping for Municipal Operations program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.1 Stormwater Sewer System Operation & Maintenance (O&M)

The City of Socorro will developed and implemented a stormwater pollution prevention O&M program to comply with TPDES program requirements. The program incorporated existing routine MS4 O&M activities, extreme conditions storm preparedness activities, other activities and additional tasks needed for compliance. The program targets prevention and/or reduction of stormwater pollution from facilities such as landfills, airports, streets, roads, right-of-ways, alleys, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, caliche, soil, and compost storage locations, recycling centers, salvage yards, disposal areas operated by the permittee, and waste transfer stations. The program regulates activities such as park and open space maintenance, fleet and building maintenance, street maintenance, new construction of municipal facilities, and stormwater system maintenance, as applicable. The program will be modified to include contractor oversight, inspections and recordkeeping.

The MS4's existing inventories of all potential sources of stormwater pollution will be expanded as required by the new permit. The MS4's designated departments or staff will contact municipal departments to fill gaps and expand upon information provided by the inventories. Data needed from the inventories may include:

- Source or type of operation
- Location of facility/operation
- Contact information
- Activities conducted on-site
- Proximity to stormwater or surface water
- Potential impact to stormwater or surface water
- Percent of site with impervious surface

The MS4s will use the inventory to prioritize municipal operations based on number of facilities, number of stormwater polluting activities identified, acreage affected, distance to surface water or to conveyance structure and the percent of impervious surface on-site. Municipal operations that will be scrutinized include:

- Vehicle repair or fleet maintenance (ongoing)
- Street and road maintenance, street sweeping (presented as a separate BMP)
- Right of way mowing (ongoing)
- Storm system maintenance and cleaning, including detention facilities, on site detention ponds, and outfalls (presented as a separate BMP)
- Parks maintenance (ongoing)
- Stormwater waste removal and disposal (presented as a separate BMP)
- Golf course maintenance (ongoing)
- Landfill maintenance
- Transfer station and recycling center operations (ongoing)
- Municipal curbside solid waste activities
- Wastewater and water treatment facility operations
- Operation and maintenance of intermediate receiving waterways owned by the permittee
- Operation and maintenance of lift stations The MS4s will recommend designing a generic Stormwater Pollution Control Plan that may include the elements listed below:
- Employee training plan (presented as a separate BMP)
- Implementation and tracking of BMPs
- Run-off control plans
- Map of facility
- Spill Prevention and Response Plan (ongoing)
- Recordkeeping
- BMP lists, resource sheets, stormwater messages, and other resources
- Tracking of inspections (copies of site visit checklists, follow-up letters, etc.)
- SOPs for pothole repair, pavement marking, sealing, and re-paving;

- Bridge maintenance may include such areas as re-chipping, grinding, and saw cutting;
 - Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and
 - Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.
 - Identify pollutants of concern that could be discharged from the above O&M activities (for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash).
 - Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the above activities. These pollution prevention measures may include the following examples:
 - Replacing materials and chemicals with more environmentally benign materials or methods;
 - Changing operations to minimize the exposure or mobilization of pollutants to prevent them from entering surface waters; and
 - Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters.
- A structural control maintenance program will be assessed and evaluated, and implemented if warranted and feasible. The plan will provide a central location for copies of required BMPs and resource sheets.

Table 7-2: Implementation Schedule – Stormwater Sewer System O & M

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.2 Street Sweeping

The City of Socorro improved their street sweeping programs by improving scheduling, purchasing new equipment, retrofitting existing equipment and moreover, continue to evaluate their respective street sweeping programs.

Table 7-3: Implementation Schedule – Street Sweeping

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.3 Employee Training Program

The employee training program's goal is to prevent or reduce pollutant runoff from municipal operations. The program uses videos, webinars, and similar tools to inform public employees of the impacts associated with illegal discharges and improper disposal of waste from municipal operations.

Table 7-4: Implementation Schedule – Employee Training Program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.4 SOP program and pollution prevention measures

The City of Socorro will develop a general standard operation procedure (SOP) manual for municipal operations. The program developed policy, SOPs, and awareness programs that will continue to be evaluated annually. The program will be expanded to include new pollution prevention measures to comply with the new permit and may include the following examples:

- (i) Replacing materials and chemicals with more environmentally benign materials or methods;
- (ii) Changing operations to minimize the exposure or mobilization of pollutants to prevent them from entering surface waters; and
- (iii) Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters.

This BMP targets stormwater pollution runoff control for municipal activities or operations. To assist in complying with the new permit requirements, focus group meetings will be conducted to get input from municipal employees. After the focus group meetings, existing BMPs will be modified as necessary, deficiencies will be mitigated, and improvements will be implemented to reflect input received from these groups.

The City of Socorro will develop internal criteria (i.e. focus groups, checklists, or other tools) to identify priority operations. Information obtained from staff will be used to re-evaluate existing SOPs and BMPs, to develop new SOPs, and/or to revise SOPs. The MS4s outreach and awareness program will be expanded to include fact sheets, pamphlets, videos, webinars and other tools that will be incorporated into this MCM to more effectively manage stormwater runoff from municipal operations.

Table 7-5: Implementation Schedule –SOP program and Pollution Prevention Measures

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.5 Site Visits/Inspections

The MS4s (City of Socorro) will conduct site visits to include visual inspections of various municipal operations to determine the practicality of the SOPs/BMPs and also to provide staff with a better understanding of operations.

The SOPs/BMPs will be modified based on the site visit experiences. Follow-up letters will be sent to each operation after the each visit, noting the practices that were already in place to protect stormwater and the potential stormwater impacts that need to be corrected to achieve effective management. Recordkeeping will be added to this BMP.

Table 7-6: Implementation Schedule – Site Visits/Inspections

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

7.2.6 Collection and Disposal of Stormwater Waste

Dredge spoil, sediment, and floatables collected through the implementation of stormwater sewer system maintenance BMPs will be disposed of properly. Materials collected will be tracked and evaluated.

Table 7-7: Implementation Schedule – Collection and Disposal of Stormwater Waste

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

8.0 IMPAIRED WATER BODIES AND TOTAL MAXIMUM DAILY LOADING (TMDL) REQUIREMENTS:

The following section presents the permit requirement for the Impaired Water Bodies and Total Maximum Daily Load (TMDL) requirements. The section describes the BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief description of the BMPs selected, a proposed implementation schedule for each BMP, and performance measures for the programs.

8.1 Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements: The BMPs listed in this section were selected to meet the requirements of the new TPDES MS4 permit Part II Section D (4):

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

Discharges of the pollutant(s) of concern to impaired water bodies for which there is a TCEQ and EPA approved total maximum daily load (TMDL) are not eligible for this general permit unless they are consistent with the approved TMDL. A water body is impaired for purposes of the permit if it has been identified, pursuant to the latest TCEQ and EPA approved CWA §303(d) list, as not meeting Texas Surface Water Quality Standards. The permittee shall control the discharges of pollutant(s) of concern to impaired waters and waters with approved TMDLs as provided in sections (a) and (b) below, and shall assess the progress in controlling those pollutants.

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

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

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

(1) Targeted Controls

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

(2) Measurable Goals

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

(3) Identification of Benchmarks

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

pollutant discharges consistent with the benchmarks. The exceedance of a benchmark is not a permit violation and does not in itself indicate a violation of instream water quality standards. The benchmark must be determined based on one of the following options:

- a. If the MS4 is subject to a TMDL that identifies a Waste Load Allocation(s) (WLA) for permitted MS4 stormwater sources, then the SWMP may identify it as the benchmark. Where an aggregate allocation is used as a benchmark, all affected MS4 operators are jointly responsible for progress in meeting the benchmark and shall (jointly or individually) develop a monitoring/assessment plan as required in Part II.D.4(a)(6).
- b. Alternatively, if multiple small MS4s are discharging into the same impaired water body with an approved TMDL, with an aggregate WLA for all permitted stormwater MS4s, then the MS4s may combine or share efforts to determine an alternative sub-benchmark for the pollutant(s) of concern (e.g., bacteria) for their respective MS4. The SWMP must clearly define this alternative approach and must describe how the sub-benchmark would cumulatively support the aggregate WLA. Where an aggregate benchmark has been broken into sub-benchmarks for individual MS4s, each permittee is only responsible for progress in meeting its sub-benchmark.

(4) Annual Report

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

(5) Impairment for Bacteria

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

The BMPs shall, as appropriate, address the following:

a. Sanitary Sewer Systems

- (i) Make improvements to sanitary sewers to reduce overflows;**
- (ii) Address lift station inadequacies;**
- (iii) Improve reporting of overflows; and**
- (iv) Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease.**

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

- (i) Identify and address failing systems; and**
- (ii) Address inadequate maintenance of On-Site Sewage Facilities (OSSFs).**

c. Illicit Discharges and Dumping

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

d. Animal Sources

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

e. Residential Education

Increase focus to educate residents on:

- (i) Bacteria discharging from a residential site either during runoff events or directly;**
- (ii) Fats, oils, and grease clogging sanitary sewer lines and resulting overflows;**
- (iii) Decorative ponds; and**

(iv) Pet waste.

(6) Monitoring or Assessment of Progress

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

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

(i) Evaluating Program Implementation Measures

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

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

(ii) Assessing Improvements in Water Quality

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

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

(7) Observing no Progress Towards the Benchmark

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

Where the permittee originally used a benchmark based on an aggregated WLA, the permittee may combine or share efforts with other MS4s discharging to the same watershed to determine an alternative sub-benchmark for the pollutant(s) of concern for their respective MS4s, as described in Part II.D.4(a)(3)(b) above.

Permittees must document, in their SWMP for the next permit term, the proposed schedule for the development and subsequent adoption of alternative sub benchmark for the pollutant(s) of concern for their respective MS4s and associated assessment of progress in meeting those individual benchmarks.

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

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

TMDL, the permittee shall perform the following activities:

(1) Discharging a Pollutant of Concern

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

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

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

(2) Impairment of Bacteria

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

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

8.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of the new MS4 TPDES requirements related to Impaired Water Bodies and Total Maximum Daily Load (TMDL) Requirements. The City of Socorro if required in the future, will prepare an Impaired Water Body BMP program to meet the requirements of the new MS4 TPDES requirements pursuant to Part II Section D and (b) (i.e. Discharges Directly to Water Quality Impaired Water Bodies without an Approved TMDL) and Part II Section D 4 (a) (5) (i.e. Impairment for Bacteria).

The City of Socorro discharges to the Rio Grande River at Segment 2308, which does not qualify for Impaired Water Body. Total Maximum Daily Load (TMDL) information will not be required.

Table 8-1: Impaired Water Bodies and Total Maximum Daily Load (TMDL) BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
3.2.0	Assess Public Education, Outreach and Involvement program					
3.2.1	Utility Bill Insert, self-service materials and/or mailouts					
3.2.2	Wet Site					
3.2.3	Classroom Presentations					
3.2.4	Stenciling					
3.2.5	Videos					
3.2.6	Signage					
3.2.7	Community Outreach					
3.2.8	Education					
3.2.9	Public Meetings					
3.2.10	Advisory Workgroup					
3.2.11	Hotline					

8.2.1 Source determination

The Rio Grande River watershed. Solely, the Rio Grande River is listed as unimpaired (Table 2-2 through Table 2-5). As depicted in Table 2-5, all the MS4s discharge directly into an unimpaired body of water.

Table 8-2: Implementation Schedule – Source Determination

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

8.2.2 Bacteria Impairment Program

Table 8-3: Implementation Schedule – Bacteria Impairment Program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

8.2.3 Workgroup

Table 8-4: Implementation Schedule – Bacteria Impairment Program

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

8.2.4 Reporting

The annual report may include information pertaining to this section.

Table 8-5: Implementation Schedule – Reporting

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

9.0 LEGAL AUTHORITY

The following section presents the permit requirement for the Legal Authority Program. The section describes the existing BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief discussion of current programs, a description of the BMPs selected, a proposed implementation schedule for each BMP, and performance measures for the programs.

9.1 Legal Authority Text

The BMPs listed in this section were selected to meet the following regulatory requirement (Legal Authority):

3. Legal Authority

(a) Traditional small MS4s, such as cities

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

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

- a. Authority to prohibit illicit discharges and illicit connections;**
- b. Authority to respond to and contain other releases – Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4;**
- c. Authority to require compliance with conditions in the permittee's ordinances, permits, contracts, or orders;**
- d. Authority to require installation, implementation, and maintenance of control measures;**
- e. Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;**
- f. Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;**
- g. Authority to respond to non-compliance with BMPs required by the small MS4 consistent with their ordinances or other regulatory mechanism(s);**
- h. Authority to assess penalties, including monetary, civil, or criminal penalties; and**
- i. Ability to enter into interagency or inter-local agreements or other maintenance agreements, as necessary.**

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

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

enforcement authority to the MEP.

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

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

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

9.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of Legal Authority.

Table 9-1: Legal Authority BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program	X	X	X	X	X
4.2.1	Sewer Map	X	X	X	X	X
4.2.2	Illicit Discharge Elimination Ordinance	X	X	X	X	X
4.2.3	Business Education	X	X	X	X	X
4.2.4	Illicit Discharge Inspections	X	X	X	X	X
4.2.5	Business Site Inspections	X	X	X	X	X
4.2.6	Household Hazardous Waste	X	X	X	X	X
4.2.7	Source Investigation and Elimination	X	X	X	X	X
4.2.8	Hotline	X	X	X	X	X

9.2.1 Ordinances, Orders and Policy.

Traditional small MS4s, within two years from the permit shall review, revise and/or adopt ordinances, orders, and/or policies to assure legal authority to implement the SWMP.

Table 9-2: Implementation Schedule – Ordinances, Orders and Policy.

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

9.2.2 Inter-local agreements, other instruments required to assist non-traditional MS4s

Traditional small MS4s, shall review, revise and/or adopt ordinances, orders, and/or policies to assure legal authority to implement the SWMP as needed per non-traditional MS4s request.

Table 9-3: Implementation Schedule – Inter-local agreements, other instruments required to assist non-traditional MS4s.

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

10.0 ILLICIT DISCHARGE DETECTION ELIMINATION (FOR TYPE II, III AND IV MS4s)

The following section presents the additional permit requirements for the Illicit Discharge Detection and Elimination Program. The section describes the additional BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief discussion and a description of the BMPs selected for the MCM, a proposed implementation schedule for each BMP, and performance measures for the program.

10.1 IDDE PERMIT REQUIREMENTS (MCM #2 FOR TYPE II, III AND IV MS4s)

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit. The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #2 for Type II, III and IV MS4s):

2. Illicit Discharge Detection and Elimination (IDDE)

(a) Program Development

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

e. For Level 2, 3 and 4 small MS4s, if applicable, procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4;

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

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

(2) For non-traditional small MS4s, if illicit connections or illicit discharges are observed related to another operator's MS4, the permittee shall notify the other MS4 operator within 48 hours of discovery. If notification to the other MS4 operator is not practicable, then the permittee shall notify the appropriate TCEQ regional office of the possible illicit connection.

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

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

(1) Source Investigation and Elimination

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

(e) Additional Requirements for Level 4 small MS4s

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

(1) Identification of Priority Areas

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

(2) Dry Weather Field Screening

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

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

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

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

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

10.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 2 that apply to Type II, III and IV MS4s.

Table 10-1: Illicit Discharge Detection and Elimination (IDDE) BMPs for Type II, III and IV MS4s

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program	X	X	X	X	X
4.2.1	Sewer Map	X	X	X	X	X
4.2.2	Illicit Discharge Elimination Ordinance	X	X	X	X	X
4.2.3	Business Education	X	X	X	X	X
4.2.4	Illicit Discharge Inspections	X	X	X	X	X
4.2.5	Business Site Inspections	X	X	X	X	X
4.2.6	Household Hazardous Waste	X	X	X	X	X
4.2.7	Source Investigation and Elimination	X	X	X	X	X
4.2.8	Hotline	X	X	X	X	X

10.2.1 OSSF leak detection, prevention and mitigation (Type II, III, and IV MS4)

As part of the MS4s' IDDE Programs, this BMP will develop and implement a mitigation plan with procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4 of The City of Socorro. This will include targeting residential, commercial and municipal systems. The program will work with the local Designated Representatives (DRs) to review permitting, inspection and O&M programs. The MS4s will also review legal authority instruments, attempt to identify illegal systems, and prohibit OSSFS where applicable. Outreach will be included.

Table 10-2: Implementation Schedule – OSSF leak detection, prevention and mitigation (Type II, III, and IV MS4)

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

10.2.2 Identify priority areas (Type IV MS4 only)

Not Required by City of Socorro

The MS4 will develop a program to identify high priority areas with a high potential to generate stormwater pollutants. These areas may include maintenance yards, hazardous waste facilities, industrial zones, colonias, parks, municipal facilities, fuel storage locations, and other facilities where chemicals or other materials have a high potential to be discharged in stormwater.

Table 10-3: Implementation Schedule – Identify priority areas (Type IV MS4)

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			I

10.2.3 Field Screening (Type IV MS4)
Not Required by City of Socorro

The MS4 will develop and implement a written dry weather field screening program to assist in detecting and eliminating illicit discharges to the small MS4.

Table 10-4: Implementation Schedule – Field Screening (Type IV MS4 only)

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

10.2.4 Notification of Illicit Discharge (non-traditional small MS4s)

If illicit connections or illicit discharges are observed related to another operator's MS4, the permittee shall notify the other MS4 operator within 48 hours of discovery. If notification to the other MS4 operator is not practicable, then the permittee shall notify the appropriate TCEQ regional office of the possible illicit connection. The notification program will include providing key information to staff (phone numbers, hotlines, etc.), readily available communication procedures, and reporting procedures. Some IDDE training will be provided.

Table 10-5: Implementation Schedule – Notification of Illicit Discharge (non-traditional small MS4s)

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

10.2.5 Source Investigation and Elimination (Type III and IV MS4s)
Not Required by City of Socorro

Upon being notified that a reported discharge has been eliminated, the MS4 will conduct a follow-up investigation or field screening, consistent with Part III.B.2.(e)(2), to verify that the discharge has been eliminated. The Source Investigation and Elimination Program shall include procedures for a site visit, follow-up investigation, enforcement, recordkeeping, and policy to seek recovery, compensation and remediation costs from responsible parties, if applicable.

Table 10-6: Implementation Schedule – Source Investigation and Elimination (Type III and IV MS4s)

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

**11.0 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL
(FOR TYPE III AND IV MS4s)
Not Required by City of Socorro**

The following section presents the additional permit requirements for the Illicit Discharge Detection and Elimination Program. The section describes the additional BMPs necessary to implement this program. It describes the measureable goals for each BMP and a timeline (or frequency) for each implementation action. Each of these sections includes a brief discussion and a description of the BMPs selected for the MCM, a proposed implementation schedule for each BMP, and performance measures for the program.

**11.1 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PERMIT REQUIREMENTS (FOR TYPE III AND IV MS4s)
Not Required by City of Socorro**

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit. The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #3 for Type III and IV MS4s):

3. Construction Site Stormwater Runoff Control

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

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

(1) Construction Site Inventory

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

11.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 3.

**Table 11-1: Construction Site Storm Water Controls BMPs (Type III and IV MS4s)
Not Required by City of Socorro**

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program					
4.2.1	Sewer Map					
4.2.2	Illicit Discharge Elimination Ordinance					
4.2.3	Business Education					
4.2.4	Illicit Discharge Inspections					
4.2.5	Business Site Inspections					
4.2.6	Household Hazardous Waste					
4.2.7	Source Investigation and Elimination					
4.2.8	Hotline					

11.2.1 Construction Site Inventory (Type III and IV MS4s) Not Required by City of Socorro

The MS4s will develop an internal recordkeeping program to maintain an inventory of all permitted active public and private construction sites, that result in a total land disturbance of one or more acres or that result in a total land disturbance of less than one acre if part of a larger common plan or development or sale. Notification to the small MS4 should be made by submittal of a copy of an NOI or a small construction site notice. The MS4s will utilize their legal authority to incorporate this requirement into the MCM #3 and the SWMP in general.

**Table 11-2: Implementation Schedule – Construction Site Inventory (Type III and IV MS4s)
Not Required by City of Socorro**

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

**12.0 POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT
AND REDEVELOPMENT CONTROL (FOR TYPE IV MS4s)
Not Required by City of Socorro**

The BMPs listed in this section were selected to meet the following regulatory requirement

The following section presents the additional permit requirement for the Post-Construction Storm Water Management in New Development and Redevelopment Program (Minimum Control Measure #4 for IV MS4s): The section describes the BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

12.1 PERMIT REQUIREMENTS

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit.

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #4):

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

(c) Additional Requirements for Level 4 small MS4s

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

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

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

12.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 5.

Table 12-1: Post-Construction Stormwater Management in New Development and Redevelopment BMPs (Type IV MS4s)
Not Required by City of Socorro

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
4.2.0	Assess existing IDDE program					
4.2.1	Sewer Map					
4.2.2	Illicit Discharge Elimination Ordinance					
4.2.3	Business Education					
4.2.4	Illicit Discharge Inspections					
4.2.5	Business Site Inspections					
4.2.6	Household Hazardous Waste					
4.2.7	Source Investigation and Elimination					
4.2.8	Hotline					

12.2.1 Inspection Program (Type IV MS4s)

Not Required by City of Socorro

The MS4 will develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained as required consistent with its applicable maintenance plan. The MS4 will develop an inspection reporting process.

Table 12-2: Implementation Schedule – Inspection Program (Type IV MS4s)
Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

13.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (MCM #5 FOR TYPE III AND TYPE IV MS4s)

Not Required by City of Socorro

The following section presents the additional permit requirement for the Pollution Prevention and Good Housekeeping for Municipal Operations Program (Minimum Control Measure #5 for Type III and Type IV MS4s). The section describes the existing BMPs necessary to implement this program. It describes the measurable goals for each BMP and the timeline (or frequency) for each implementation action.

13.1 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS PERMIT REQUIREMENTS (MCM #5 FOR TYPE III AND TYPE IV MS4s)

Not Required by City of Socorro

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit.

The BMPs listed in this section were selected to meet the following regulatory requirement (Minimum Control Measure #5 for Type III and IV MS4s):

Pollution Prevention and Good Housekeeping for Municipal Operations

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

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

(1) Storm Sewer System Operation and Maintenance

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

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

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

Permittees who operate level 3 or 4 small MS4s shall implement an O&M program that includes, if feasible and practicable, a street sweeping and cleaning program, or an equivalent BMP such as an inlet protection program, which must include an implementation schedule and a waste disposal procedure. The basis for the decision must be included in the SWMP. If a street sweeping and cleaning program is implemented, the permittee shall evaluate the following permittee-owned and operated areas for the program: streets, road segments, and public parking lots including, but not limited to, high traffic zones, commercial and industrial districts, sport and event venues, and plazas, as well as areas that consistently accumulate high volumes of trash, debris, and other stormwater pollutants.

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

b. For areas where street sweeping is technically infeasible (for example, streets without

curbs), the permittee shall focus implementation of other trash and litter control procedures, or provide inlet protection measures to minimize pollutant discharges to storm drains and creeks.

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

(3) Mapping of Facilities

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

(4) Facility Assessment

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

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

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

c. **Documentation of Assessment Results** - The permittee shall document the results of the assessments and maintain copies of all site evaluation checklists used to conduct the assessments. The documentation must include the results of the permittee's initial assessment, and any identified deficiencies and corrective actions taken.

(5) Development of Facility Specific SOPs

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

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

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

(6) Stormwater Controls for High Priority Facilities

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

a. **General good housekeeping** – Material with a potential to contribute to stormwater pollution

should be sheltered from exposure to stormwater when feasible.

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

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

d. Equipment and vehicle washing - The permittee shall develop SOPs that address equipment and vehicle washing activities at permittee-owned and operated facilities. The discharge of equipment and vehicle wash water to the small MS4 or directly to receiving waters from permittee-owned facilities is not authorized under this general permit. To ensure that wastewater is not discharged under this general permit, the permittee's SOP may include installing a vehicle wash reclaim system, capturing and hauling the wastewater for proper disposal, connecting to sanitary sewer (where applicable and approved by local authorities), ceasing the washing activity, or applying for and obtaining a separate TPDES permit.

(7) Inspections

Permittees who operate level 3 or 4 small MS4s shall develop and implement an inspection program, which at a minimum must include periodic inspections of high priority permittee-owned facilities. The results of the inspections and observations must be documented and available for review by the TCEQ.

(d) Additional Requirements for Level 4 small MS4s:

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

(1) Pesticide, Herbicide, and Fertilizer Application and Management

a. Landscape maintenance - The permittee shall evaluate the materials used and activities performed on public spaces owned and operated by the permittee such as parks, schools, golf courses, easements, public rights of way, and other open spaces for pollution prevention opportunities. Maintenance activities for the turf landscaped portions of these areas may include mowing, fertilization, pesticide application, and irrigation. Typical pollutants include sediment, nutrients, hydrocarbons, pesticides, herbicides, and organic debris.

b. The permittee shall implement the following practices to minimize landscaping-related pollutant generation with regard to public spaces owned and operated by the permittee:

(i) Educational activities, permits, certifications, and other measures for the permittee's applicators and distributors.

(ii) Pest management measures that encourage non-chemical solutions where feasible. Examples may include:

(a) Use of native plants or xeriscaping;

(b) Keeping clippings and leaves out the small MS4 and the street by encouraging mulching, composting, or landfilling;

(c) Limiting application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions;

(d) Reducing mowing of grass to allow for greater pollutant removal, but not jeopardizing motorist safety.

c. The permittee shall develop schedules for chemical application in public spaces owned and operated by the permittee that minimize the discharge of pollutants from the application due

to irrigation and expected precipitation.

d. The permittee shall ensure collection and proper disposal of the permittee's unused pesticides, herbicides, and fertilizers.

13.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the requirements of MCM 5.

Table 13-1: Pollution Prevention/Good Housekeeping for municipal operations BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
3.2.0	Assess Public Education, Outreach and Involvement program					
3.2.1	Utility Bill Insert, self-service materials and/or mailouts					
3.2.2	Wet Site					
3.2.3	Classroom Presentations					
3.2.4	Stenciling					
3.2.5	Videos					
3.2.6	Signage					
3.2.7	Community Outreach					
3.2.8	Education					
3.2.9	Public Meetings					
3.2.10	Advisory Workgroup					
3.2.11	Hotline					

13.2.1 Storm Sewer System O&M (Type III and IV MS4s)

Not Required by City of Socorro

The MS4s will develop and implement an O&M program to reduce to the maximum extent practicable the collection of pollutants in catch basins and other surface drainage structures. The program will include identifying potential problem areas and developing an inspection program. Problem areas will be prioritized, and additional inspections will be contemplated.

Table 13-2: Implementation Schedule – Storm Sewer System O&M (Type III and IV MS4s)

Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

13.2.2 Roadway O&M (Type III and IV MS4s) Not Required by City of Socorro

The MS4s will develop and implement an O&M program that includes, if feasible and practicable, a street sweeping and cleaning program, or an equivalent BMP such as an inlet protection program, which must include an implementation schedule and a waste disposal procedure. The MS4 will evaluate resources, staff, and budget requirements for development and implementation of this BMP by Year 2. If a street sweeping and cleaning program is implemented pursuant to this MCM, the MS4 will evaluate streets, road segments, and public parking lots including, but not limited to, high traffic zones, commercial and industrial districts, sport and event venues, and plazas, as well as areas that consistently accumulate high volumes of trash, debris, and other stormwater pollutants. Similar assessment will be developed if an equivalent BMP is selected. The program will include an implementation schedule (frequency, other strategy), alternative strategies in areas that require unreasonable efforts (technically infeasible, cost), and waste disposal (dewater, characterization, disposal site, etc.). The program will be implemented to the MEP.

Table 13-3: Implementation Schedule – Roadway O&M (Type III and IV MS4s)
Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

13.2.3 Mapping of Facilities (Type III and IV MS4s)
Not Required by City of Socorro

MS4s will enhance their existing stormwater system map to include identification and location of permittee-owned and operated facilities and stormwater controls regulated under this general permit.

Table 13-4: Implementation Schedule – Mapping of Facilities (Type III and IV MS4s)
Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5			
Year 2-5			
Year 2-5			

13.2.4 Facility specific SOPs (Type III and IV MS4s) Not Required by City of Socorro

The City of Socorro will develop facility specific stormwater management SOPs. The SOPs will be developed in a manual format specific to each facility. Each high priority facility identified by the MS4 will be incorporated into the SOP program. The SOP document will be located on site in hard copy and electronic format. The staff awareness program will be enhanced to include this BMP.

**Table 13-5: Implementation Schedule – Facility specific SOPs (Type III and IV MS4s)
Not Required by City of Socorro**

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)

**13.2.5 Stormwater Controls for High Priority Areas (Type III and IV MS4s)
Not Required by City of Socorro (Consider if Socorro Manages a Municipal Air-Port)**

The MS4 will develop and implement facility specific stormwater controls at all high priority facilities identified in Part III.B.5.(c)(4)b. A description of BMPs developed to comply with this requirement must be included in each facility specific SOP. SOPs will include general good housekeeping, de-icing and anti-icing material, fueling operations and vehicle maintenance, equipment and vehicle.

Table 13-6: Implementation Schedule – Stormwater Controls for High Priority Areas (Type III and IV MS4s) Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)

13.2.6 Inspections (Type III and IV MS4s) Not Required by City of Socorro

Permittees will develop and implement an inspection program, which at a minimum must include periodic inspections of high priority permittee-owned facilities. Recordkeeping program will be included.

**Table 13-7: Implementation Schedule – Inspections (Type III and IV MS4s)
Not Required by City of Socorro**

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)

13.2.7 Pesticide, Herbicide, Fertilizer Application & Management Program (Type IV MS4s)
Not Required by City of Socorro

The permittee will develop a Pesticide, Herbicide, and Fertilizer Application & Management Program that will include;

- 1) Evaluation of the materials used and activities performed on public spaces owned and operated by the permittee such as parks, schools, golf courses, easements, public rights of way, and other open spaces for pollution prevention opportunities,
- 2) Implementation of educational activities, permits, certifications, and other measures for the permittee's applicators and distributors,
- 3) Pest management measures that encourage non-chemical solutions where feasible,
- 4) Development of a schedule for chemical application in public spaces owned and operated by the permittee that minimize the discharge of pollutants from the application due to irrigation and expected precipitation, and
- 5) Proper collection and disposal of the permittee's unused pesticides, herbicides, and fertilizers.

Table 13-8: Implementation Schedule – Pesticide, Herbicide, Fertilizer Application & Management Program (Type IV MS4s)
Not Required by City of Socorro

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)

14.0 INDUSTRIAL SOURCES (MCM #6 FOR TYPE IV MS4s)

Not Required by City of Socorro

The following section presents the additional permit requirement for the Industrial Sources Program (Minimum Control Measure #6 for IV MS4s). The section describes the existing BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

15.0 REPORTING

The following section presents the permit requirement for the Reporting Program. The section describes the BMPs necessary to implement this program. It describes the measureable goals for each BMP and the timeline (or frequency) for each implementation action.

15.1 REPORTING PERMIT REQUIREMENTS

The following text is quoted directly from the Small MS4 General Permit, TPDES Permit No. TX040000, dated December 13, 2013. For additional information, please consult Appendix A which contains a copy of the entire permit. The BMPs listed in this section were selected to meet the following regulatory requirement:

Part IV. Recordkeeping and Reporting

Section A. Recordkeeping

- 1. The permittee shall retain all records, a copy of this TPDES general permit, and records of all data used to complete the application (NOI) for this general permit and satisfy the public participation requirements, for a period of at least three (3) years, or for the remainder of the term of this general permit, whichever is longer. This period may be extended by request of the executive director at any time.**
- 2. The permittee shall submit the records to the executive director only when specifically asked to do so. The SWMP required by this general permit (including a copy of the general permit) must be retained at a location accessible to the TCEQ.**
- 3. The permittee shall make the NOI and the SWMP available to the public at reasonable times during regular business hours, if requested to do so in writing. Copies of the SWMP must be made available within ten (10) working days of receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act. However, all requests for records from federal facilities must be made in accordance with the Freedom of Information Act.**
- 4. The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.**

Section B. Reporting

1. General Reporting Requirements

(a) Noncompliance Notification

According to 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ. Report of such information must be provided orally or by electronic facsimile transmission (FAX) to the TCEQ regional office within 24 hours of becoming aware of the noncompliance. A written report must be provided by the permittee to the appropriate TCEQ regional office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the noncompliance. The written report must contain:

- (1) A description of the noncompliance and its cause;**
- (2) The potential danger to human health or safety, or the environment;**
- (3) The period of noncompliance, including exact dates and times;**
- (4) If the noncompliance has not been corrected, the anticipated time it is expected to continue; and**

(5) Steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

(b) Other Information

When the permittee becomes aware that it either submitted incorrect information or failed to submit complete and accurate information requested in an NOI, NOT, or NOC, or any other report, the permittee shall promptly submit the facts or information to the executive director.

2. Annual Report

The MS4 operator shall submit a concise annual report to the executive director within 90 days of the end of each reporting year. For the purpose of this section, the reporting year may include either the permit year, the permittee's fiscal year or the calendar year, as elected by the small MS4 and notified to the TCEQ in the application submittal. The annual report must address the previous reporting year.

The first reporting year for annual reporting purposes shall begin on the permit effective date, and shall last for a period of one (1) year (the end of the "permit year"). Alternatively, if the permittee elects to report based on its fiscal year, the first reporting year will last until the end of the fiscal year following the end of the first permit year. If the permittee elects to report based on the calendar year, then the first reporting year will last until December 31, 2014. Subsequent calendar years will begin at the beginning of the first reporting year (which will vary based on the previous paragraph) and last for one (1) year. The MS4 operator shall also make a copy of the annual report readily available for review by TCEQ personnel upon request. The report must include:

(a) The status of the compliance with permit conditions, an assessment of the appropriateness of the identified BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;

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

(c) If applicable, a summary of any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4s BMPs used to address the pollutant of concern;

(d) A summary of the stormwater activities the MS4 operator plans to undertake during the next reporting year;

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

(f) Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementations plans;

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

(h) The number of construction activities where the small MS4 is the operator and authorized under the 7th optional MCM, including the total number of acres disturbed; and

(i) The number of construction activities that occurred within the jurisdictional area of the small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the 7th MCM.

An annual report must be prepared whether or not the NOI and SWMP have been approved by

the TCEQ. If the permittee has either not implemented the SWMP or not begun to implement the SWMP because it has not received approval of the NOI and SWMP, then the annual report may include that information.

If permittees share a common SWMP, they shall contribute to and submit a single system- wide report. Each permittee shall sign and certify the annual report in accordance with 30 TAC § 305.128 (relating to Signatories to Reports).

The annual report must be submitted with the appropriate TCEQ reporting forms if available, or as otherwise approved by TCEQ.

The annual report must be submitted to the following address:

**Texas Commission on Environmental Quality Stormwater & Pretreatment Team; MC - 148
P.O. Box 13087**

Austin, Texas 78711-3087

A copy of the annual report must also be submitted to the TCEQ Regional Office that serves the area of the regulated small MS4. If available, electronic submission of annual reports is encouraged. The Federal Waste Reduction Act and the Government Paperwork Elimination Act encourages governmental agencies to use electronic submission. See the TCEQ website at, www.tceq.texas.gov for additional information and instructions.

15.2 EXAMINATION OF PROGRAMS

The following table lists BMPs that meet the reporting requirements of the new MS4 permit.

Table 15-1: Reporting BMPs

Section	Description of BMP	IMPLEMENTATION SCHEDULE (YEAR)				
		1	2	3	4	5
3.2.0	Assess Public Education, Outreach and Involvement program	X	X	X	X	X
3.2.1	Utility Bill Insert, self-service materials and/or mailouts	X	X	X	X	X
3.2.2	Wet Site	X	X	X	X	X
3.2.3	Classroom Presentations	X	X	X	X	X
3.2.4	Stenciling	X	X	X	X	X
3.2.5	Videos	X	X	X	X	X
3.2.6	Signage	X	X	X	X	X
3.2.7	Community Outreach	X	X	X	X	X
3.2.8	Education	X	X	X	X	X
3.2.9	Public Meetings	X	X	X	X	X
3.2.10	Advisory Workgroup	X	X	X	X	X
3.2.11	Hotline	X	X	X	X	X

15.2.1 Reporting Program

The City of Socorro MS4s will develop and implement a reporting program and will submit an annual report pursuant to the requirements fiscal calendar selection.

Table 15-2: Implementation Schedule – Reporting

Permit Period	Activity	Measurable Goals	Completed By (Month and Year or Frequency of Action)
Year 1-5	Respond to inquiries and mitigate accordingly	Record date and time of complaints. Tally	Ongoing
Year 2-5	Reporting	Develop an annual report that includes pertinent information	Ongoing / Annual
Year 2-5	Assess the BMP and update as necessary	Tally and evaluate events, obtain feedback	Annual

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