

## I. Introduction

Hidalgo County Drainage District No.1 and Hidalgo County (permittees) will be working together to meet the requirements of the Texas Pollutant Discharge Elimination System (TPDES) General Permit for the Municipal Stormwater Sewer Systems (MS4). The entities work together in managing stormwater within Hidalgo County. The Hidalgo County Commissioner's Court serves as the Hidalgo County Drainage District No. 1 Board of Trustees.

### A. Definitions

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

Classified Segment – Refers to a water body that is listed and described in Appendix A or Appendix C of the Texas Surface Water Quality Standards, at 30 TAC 307.10. Clean Water Act (CWA) – The Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972, Pub. L. 92-500, as amended Pub. L. 92-217, Pub. L. 95-576, Pub. L. 96-483, Pub. L. 97-117, 33 U.S.C. 1251 et.seq.

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.

Hyper-Chlorinated Water- Water resulting from hyper chlorination of waterlines or vessels, with chlorine concentration greater than 10 milligrams per liter (mg/l).

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

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

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

Maximum Extent Practicable (MEP) – The technology-based discharge standard for MS4s in order 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 (Municipal Separate Storm Sewer System) Operator – The public entity, and/or the entity contracted by the public entity, responsible for management and operation of the small MS4 that is subject to terms of this general permit.

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MS4 (Municipal Separate Storm Sewer System) – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (a) Owned or operated by the U.S., a state, city, town, borough, county, district, association, or other public body (created 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 or approved management agency under 208 of the CWA; (b) Designed or used for collecting or conveying storm water; (c) Which is not a combined sewer; (d) Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR 122.2; and (e) Which was not previously authorized under a NPDES or TPDES individual permit as a medium or large MS4, as defined at 40 CFR 122.62 (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 discreet area, such as individual buildings. For the purpose of this permit, a very discreet 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.

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

Outfall – A point source at the point where a MS4 discharges to waters of the U.S. and does not include open conveyances connecting two MS4s, 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.

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 . . . , 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 a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Urbanized Area (UA) – A high population density area which may include multiple small MS4s. This is defined and used by the U.S. Census Bureau in the 2000 and the 2010 Decennial census.

Waters of the U.S. – (a) All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide; (b) all interstate waters, including interstate wetlands; (c) all other waters such as intrastate lakes, rivers streams including intermittent stream), mudflats, sandflats,

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wetlands, sloughs, prairies potholes, wet meadows, playa lakes, or natural ponds with 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 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 U.S. under this definition; (e) tributaries of waters identified in paragraphs (a) through (d) of this definition; (f) the territorial sea; and (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition. Waste treatments systems, including treatment ponds or lagoons designed to meet the requirements of CWA are not waters of the U.S. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the U.S. (such as disposal area in wetlands) nor resulted from the impoundment of waters of the U.S. Waters of the U.S. do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the CWA, the final authority regarding CWA jurisdiction remains with EPA.

### II. Permit Applicability

#### A. Coverage of Regulated Portion of a Small MS4

The TPDES Permit requirements apply only to the portions of unincorporated Hidalgo County identified as urbanized areas. These areas are based upon data the 2000 and 2010 U.S. Census map. The map may be viewed at:

[https://www2.census.gov/geo/maps/dc10map/UAUC\\_RefMap/ua/us52390\\_mcallen\\_tx/DC10UA52390.pdf](https://www2.census.gov/geo/maps/dc10map/UAUC_RefMap/ua/us52390_mcallen_tx/DC10UA52390.pdf)

The permittees' SWMP addresses permit required BMPs only in the unincorporated urbanized area portions of the county; however, certain elements of the SWMP may be voluntarily implemented within the larger unincorporated area.

#### B. Categories of Regulated Small MS4s

Texas is somewhat unique in the U.S. regarding the restrictions it places upon counties. Basically, the Texas Constitution and State statues do not grant Texas counties the ability to create and enforce ordinances, such as the ones that Texas cities (Home Rule) are allowed to create in order to meet the TPDES permit requirements. To address this restriction, TCEQ rules contain text stating "to the extent allowable under state law". This statement is cited several times in Part III, SWMP development and implementation, of the general permit. The permittees will address the various elements in the General Permit SWMP requirements to the extent allowable under current state and local law.

This permit defined MS4 Operators by the following categories, or levels, based on the population served within the 2010 UA. The permittees are both Level 2 operators based on the following definition: "Operators of a traditional small MS4's that serve a population of at 10,000 but less than 40,000 within the UA. This category also includes all non-traditional small MS4s such as **counties, drainage districts**, transportation entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the UA, unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served".

C. Allowable Non-Storm Water Discharges

The permittees accept the TCEQ list of allowable non-storm water discharges in the MS4. These non-storm water sources may be discharged from the MS4 and are not required to be addressed in the MS4's Illicit Discharge and Detection MCM or other MCMs, provided they have not been determined by the MS4 to be substantial sources of pollutants to the MS4. A list of allowable discharges is contained in Part II, Section C, and Page 14 of the TCEQ General Permit, TXR040000.

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

1. Discharges to Water Quality Impaired Water Bodies with and Approved TMDL

The permittees have unincorporated urbanized areas in the watershed with approved TMDL drainage area: Twelve TMDLs for Legacy Pollutants in the Arroyo Colorado and Donna Reservoir and Cana; and, Four TMDLs for Legacy Pollutants in the Arroyo Colorado above Tidal and Donna Reservoir and Canal. The legacy pollutants addressed in these TMDLs are chlordane, toxaphene, DDE, DDT, DDD, dieldrin, hexachlorobenzene, heptachlor, heptachlor epoxide, lindane, endrine, and PCBs. The Arroyo Colorado is sustained by wastewater discharges, agricultural irrigation return flows, urban runoff, and base flows from shallow groundwater. Legacy pollutants are chemicals whose use have been banned or severely restricted but continue to persist in the environment. The TMDLs are in place to reduce the concentrations of legacy pollutants in fish tissue to insure safe consumption of fish.

2. Discharges to Water Quality Impaired Water Bodies without an Approved TMDL

The permittees' staff have determined there are direct discharges from the MS4 system to impaired water bodies without an approved TMDL. Pollutants impacting the segments and assessment units are below.

<b>Water Quality Impaired Water Body Segments Without a TMDL</b>		
<b>Segment</b>	<b>Pollutants</b>	<b>Assessment Unit(s)</b>
<b>2201 Arroyo Colorado below tidal</b>	bacteria	2201_01 2201_02 2201_03 2201_04 2201_05
	DDE in edible tissue	2201_05
	depressed dissolved oxygen	2201_04 2201_05
	Mercury in edible tissue	2201_05
	PCBs in edible tissue	2201_05
<b>2202 Arroyo Colorado above tidal</b>	bacteria	2202_01 2202_02 2202_03 2202_04
	DDE in edible tissue	2202_01 2202_02 2202_03 2202_04
	mercury in edible tissue	2202_01 2202_02 2202_03 2202_04
	PCBs in edible tissue	2202_01 2202_02 2202_03 2202_04
<b>2491 Laguna Madre</b>	bacteria	2491_02
	depressed dissolved oxygen	2491_01 2491_02

Several best management practices have been identified to address impacts to the impaired water body segments. These primarily deal with bacteria impacts to the impaired waters from onsite sewer systems. PCBs, mercury, and DDE are in the TMDL for these waters. They are legacy pollutants that are chemicals whose use is banned or severely restricted but continue to persist in the environment. The TMDLs are in place to reduce the concentrations of legacy pollutants in fish tissue to insure safe consumption of fish.

### III. Storm Water Management Plan (SWMP)

#### A. Overview of the permittees' SWMP

To the extent allowable under State and local law, the permittees' SWMP was developed and will be implemented according to requirements of Part III of TPDES General Permit TXR040000, for discharges of storm water to surface water in the state. This SWMP was developed to prevent pollution in storm drainage systems to the maximum extent practicable, with control measures

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being phased in during the 5 year permit term. Since permittees are in the Level 2 Category of Regulated Small MS4's, it's SWMP will address six minimum control measures (MCMs) as required by TCEQ rules. MCMs will be implemented in urbanized areas of unincorporated of the Hidalgo County Stormwater Quality Partners and may be voluntarily implemented in other unincorporated areas of Hidalgo County if warranted by special conditions such as participation in regional initiatives. MCMS will be evaluated based upon the accomplishment of activities (BMPs) listed under each MCM. Hidalgo County Drainage District # 1 and Hidalgo County staff will monitor MCM activities and are identified in each section.

### B. Legal Authority (Traditional Small MS4s vs. Non-Traditional MS4s)

As a non-traditional MS4s, both permittees are not authorized by the State Constitution or State Statues to enact the ordinances and implement all of the regulatory requirements that Phase 2 (small MS4) requires. Both entities address and explain authority under "to the extent allowable under state and local law" in the appropriate Minimum Control Measure sections of the Stormwater Management Plan. Hidalgo County Stormwater Quality Partners have determined it is not feasible for us to enter into interlocal agreements. Hidalgo County Stormwater Quality Partners shall notify adjacent MS4 operators with enforcement authority or TCEQ's Field Operations Support Division as needed to report discharges or incidents that the County cannot itself enforce.

### C. Drainage Ditch System

Unlike cities, the permittees storm drainage system is not a traditional underground drainage system (curb inlets, underground pipes and outfall discharges from pipes). Instead, permittees' storm drainage system is mostly comprised of unlined (pervious) above ground ditches.

## IV. Minimum Control Measures

### A. Public Education, Outreach, and Involvement

#### 1. Program Requirements

A comprehensive stormwater education and outreach program will be developed, implemented, and maintained to educate public employees, businesses, and the general public of hazards associated with the illegal discharges and improper disposal of waste including the impact that stormwater discharges can have on local waterways, as well as the steps that the public can take to reduce pollutants in stormwater.

The permittees shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP.

#### 2. Program Elements

The permittees have assessed the program elements that were described in the previous permit term, modified them as necessary, and developed new elements to continue reducing the discharge of pollutants from the MS4 to the MEP.

##### a) Goals and Objective

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The permittees have identified high-priority issues that can be addressed using the BMPs developed for Public Education, Outreach, and Involvement and developed the following goals: increase construction site operators' awareness of stormwater pollution; increase local residents' awareness of stormwater pollution; and encourage public involvement in the implementation of the stormwater management program.

### b) Target Audiences

- Residents
- Visitors
- Public Employees
- Businesses
- Commercial and Industrial Facilities
- Construction Site Personnel

### c) Education Materials

The permittees plan to develop and utilize flyers/brochures, signage in select locations, public service announcements, storm drain marking, and websites.

### d) Distribution of Materials

The permittees will identify cost effective and practical methods for distribution of public education materials. Flyers and brochures are made available at public locations including: county offices, libraries, district offices, etc. Public service announcements are included on the stormwater quality website. Storm drain marking is accomplished by utilizing existing county employees.

The activities and materials utilized to fulfill the Public Education, Outreach, and Involvement MCM will be documented. The documentation of these records will be summarized in an annual report and will be specific enough to demonstrate compliance with the existing permit requirements. Included in each BMP is a description of what records will be maintained and reported in the annual reports.

## 3. Best Management Practices and Measurable Goals

- (a) Flyers and Brochures: Distribution or posting of flyers and brochures for the purpose of educating the public on stormwater impacts and ways they can minimize stormwater pollution.
- (b) Education of Construction Site Personnel: Development of guidance materials/ brochures/ webpage for construction site personnel on the proper installation and maintenance of erosion and sediment controls, and other construction site runoff issues.
- (c) Stormwater Quality Website: Develop and maintain a stormwater quality website. The website will include stormwater education per the TCEQ general permit guidelines and provide specific information regarding the TPDES Phase II program; including links to other local, state and national stormwater websites. In addition, the website will provide viewers with instructions on how to report stormwater quality concerns in their area.

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- (d) **Public Notice:** Comply with all state and local public notice requirements regarding permit application/renewal process and public meetings associated with the stormwater quality program.
- (e) **SWMP Availability:** Make the SWMP available to the public on the stormwater quality website. Website address will be included on flyers and brochures distributed by the county.
- (f) **Stormwater Hotline:** Advertise appropriate phone numbers for citizens to report information regarding illicit discharges, illegal dumping, construction site discharges, etc.

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<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
Flyers and Brochures	Estimated quantities of materials distributed or posted	Distribute or post at least 2 types of available brochures per year. Interim Milestone: N/A	Annually
Education of Construction Site Personnel	Estimated quantities of educational materials or guidance documents distributed	Make available to construction site personnel at least 1 guidance document, brochure, or webpage on construction site runoff issues each year Interim Milestone: N/A	Annually
Stormwater Quality Website	Number of website updates and estimated number of hits	Update website at least once per permit term Interim Milestone: N/A	Once per permit term
Public Notice	Type/date of event requiring public notice	Comply with state and local public notice requirements for applicable events Interim Milestone: N/A	As needed
SWMP Availability	Methods of making SWMP available	Make SWMP available to the public annually Interim Milestone: N/A	Annually
Stormwater Hotline	Estimated number of phone calls received	Distribute at least 2 types of materials per year that informs the public about reporting stormwater quality concerns Interim Milestone: N/A	Annually

4. BMP Implementation Schedule & Responsible Party

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<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
Flyers and Brochures	X	X	End of Permit Term
Education of Construction Site Personnel	X	X	End of Permit Term
Stormwater Quality Website	X	X	End of Permit Term
Public Notice	X	X	End of Permit Term
SWMP Availability	X	X	End of Permit Term
Stormwater Hotline	X	X	End of Permit Term

B. Illicit Discharge Detection and Elimination

1. Permit Requirements

The 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.

2. Program Elements

a) Description of Program

The permittees will utilize their daily field staff, reports from citizens, and a concentrated dry weather screening program to identify illicit discharges within the MS4. Once a discharge has been identified, field technicians will investigate the discharge utilizing colorimetric field test kits to identify its nature and trace the discharge to its origin. Once the responsible party is identified, coalition entities will utilize local regulatory enforcement mechanisms to eliminate illicit discharges originating from private parties and/or coordinate with the appropriate municipal departments to make the needed repairs.

b) MS4 Map

The permittees will develop a MS4 outfall map which identifies the location of all outfalls operated by the MS4 that discharge into waters of the U.S. and identifies the location and name of all surface waters receiving discharges from the MS4 outfalls.

c) Development of Required Procedures

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The permittees has developed BMPs to address the development of the required procedures regarding training MS4 field staff, tracing illicit discharges, removing the source(s) of illicit discharges, responding to illicit discharges/spills, inspection response to complaints, and facilitating public reporting. The established BMPs will be fully implemented within five (5) years from the permit issuance date.

### d) Allowable Non-Stormwater Discharges

Non-stormwater flows listed in Part II.C of TPDES General Permit TXR040000 will not be considered by the permittee as an illicit discharge unless the permittee identifies the flow as a significant source of pollutants to the small MS4.

## 3. Best Management Practices and Measurable Goals

- a) **MS4 Outfall Map:** Develop/Maintain an updated map of the MS4 indicating the location of stormwater outfalls that discharge to waters of the U.S. and the location and name of all surface waters receiving discharge from the MS4.
- b) **MS4 Outfall Inspections:** Utilize reports from MS4 field staff, citizens, and a concentrated dry weather-screening program to inspect outfalls for illicit discharges.
- c) **IDDE Procedures/Training:** Develop procedures for tracing/removing the source of an illicit discharge, responding to illicit discharges/spills, and inspections in response to complaints. Staff will be trained on procedures to identify and deal with discharges/spills.
- d) **On-Site Sewage Systems (OSSFs):** Program to identify and address failing On-Site Sewage Systems (OSSFs) and address inadequate maintenance of OSSFs, grease traps, and grit traps.
- e) **Promote Proper Maintenance of On-Site Sewer Systems:** Develop media to facilitate proper maintenance of on-site sewer systems. Educational materials may include brochures and information on the county and drainage district websites.
- f) **Residential Education for Bacterial Sources:** Develop media to facilitate public education for bacterial sources including residential sources, proper disposal of fats, oils, and greases. Educational materials may include flyers/brochures, websites, and/or social media pages.
- g) **Public Reporting:** Develop media to facilitate public reporting of illicit discharges. Options may include stormwater hotlines, websites, and social media pages.

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<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
MS4 Outfall Map	Total number of outfalls mapped	Conduct 1 review of the map per permit term. Map outfalls in new development areas on an as needed basis. Interim Milestone: N/A	Once per permit term
MS4 Outfall Inspections	Percentage of outfalls inspected	Inspect approximately 20% of the identified outfalls per year Interim Milestone: N/A	Annually
IDDE Procedures/Trainings	Number of procedures/guidance documents developed and document training	Develop and maintain appropriate IDDE procedures and staff training Interim Milestone: N/A	Once per permit term
On-Site Sewage Systems (OSSFs) Program	Number of responses to OSSF, grease trap, and grit trap complaints	Compile and report annual number of complaints	Annually
Promote Proper Maintenance of OSSFs	Number of guidance documents developed	Develop and maintain appropriate delivery method for guidance documents Interim Milestone: N/A	Annually
Residential Education for Bacterial Sources	Number of guidance documents developed	Develop and maintain appropriate delivery method for guidance documents Interim Milestone: N/A	Annually
Public Reporting	Number of complaints inspected and resolved	Develop procedures to use stormwater hotline and stormwater website to track public input Interim Milestone: N/A	Annually

4. BMP Implementation Schedule & Responsible Party

<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
MS4 Outfall Map	X	X	End of Permit Term
MS4 Outfall Inspections	X	X	End of Permit Term
IDDE Procedures	X	X	End of Permit Term
On-Site Sewage Systems (OSSFs) Program	X	X	End of Permit Term
Promote Proper Maintenance of On-Site Sewer Facility (OSSF) Systems		X	End of Permit Term
Residential Education for Bacterial Sources		X	End of Permit Term
Public Reporting	X	X	End of Permit Term

C. Construction Site Stormwater Runoff Control

1. Permit Requirements

The 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

2. Program Elements

a) Description of Program

The permittees are non-traditional MS4s and lack adequate legal authority to inspect private construction sites, therefore the MS4s will be limited to conducting inspections of only the sites operated by the permittees. Violations related to construction site stormwater runoff identified on private sites will be reported to the appropriate adjacent MS4 or TCEQ Field Operations Support Division.

b) Regulatory Mechanisms

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- (1) require soil stabilization measures, and implementation of BMPs to control pollutants from equipment and vehicle washing and other wash waters;
- (2) require operators to minimize exposure for stormwater discharges related to building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials;
- (3) require operators to implement BMPs that minimize the discharge of pollutants from spills and leaks; and
- (4) prohibits illicit discharges such as wash out wastewater, fuels, oils, soaps, solvents, and dewatering activities.

All drainage district and county construction sites resulting in a land disturbance of greater than or equal to one acre or are part of a larger common plan of development or sale will comply with the TCEQ Construction General Permit TXR150000. Each required site will incorporate a Stormwater Pollution Prevention Plan (SWPPP) including adequate sediment and erosion controls.

3. Best Management Practices and Measurable Goals

- a) Construction Site Plan Review: Implement a construction site plan review program that focuses on compliance with the Construction General Permit for permittee owned construction sites and develop associated guidance materials.
- b) Construction Site Inspection/Enforcement: Conduct inspections of permittee owned construction sites/associated control measures to ensure compliance with the CGP.
- c) Construction Site Notice Posting: Post an appropriate site notice or NOI in a publicly accessible location for each permittee construction project subject to the TCEQ Construction General Permit.
- d) Public Reporting: Develop and implement procedures for receipt and consideration of information submitted by the public regarding construction site stormwater runoff.
- e) MS4 Staff Training: Develop and implement procedures for MS4 staff training regarding construction site stormwater runoff control.

<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
Construction Site Plan Review	Number of plans reviewed	Review applicable permittee owned construction site plans for compliance with CGP Interim Milestone: N/A	Annually
Construction Site Notice Posting	Number of applicable coalition owned construction sites	Post an appropriate site notice at each construction site subject to the	As needed

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<b>BMP Measurable Goals and Method of Measurement</b>			
		construction general permit Interim Milestone: N/A	
Public Reporting	Number of reports received	Develop procedures for receipt and consideration of information submitted by the public Interim Milestone: N/A	Once per permit term
MS4 Staff Training	Number of training sessions conducted	Conduct training for MS4 field staff at least once per permit term Interim Milestone: N/A	Once per permit term
Construction Site Inspection/ Enforcement	Number of construction site inspections	Inspect all permittee owned construction sites for compliance with GCP Interim Milestone: N/A	Annually

4. BMP Implementation Schedule & Responsible Party

<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
Construction Site Plan Review	X	X	End of Permit Term
Construction Site Notice Posting	X	X	End of Permit Term
Public Reporting	X	X	End of Permit Term
MS4 Staff Training	X	X	End of Permit Term
Construction Site Inspection/ Enforcement	X	X	End of Permit Term

D. Post-Construction Stormwater Management in New Development/ Redevelopment

1. Permit Requirements

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The 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 sites. The program may utilize an offsite mitigation and payment in lieu of components to address this requirement.

### 2. Program Elements

#### a) Description of Program

Being non-traditional MS4s, the permittees are limited to only conducting inspections of the controls owned and operated by the MS4s. The permittee includes/maintains structural and/or non-structural controls for post-construction stormwater management in new development and redevelopment on permittee owned sites. The permittees document and maintain records of all associated enforcement and maintenance activities.

#### b) Regulatory Mechanisms

The permittees being non-traditional MS4, it will rely on adjacent MS4 operators and the TCEQ Field Operations Support Division for enforcement authority according to Part III.A.3(b) of the TPDES General Permit TXR040000. Within (2) two years from the permit issuance date, the permittees will review and revise (if necessary) post-construction guidance documents to include procedures for permittee owned projects that:

- (1) require owners or operators of new development and redeveloped sites to design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality; and,
- (2) require long-term operation and maintenance of post construction stormwater control measures.

### 3. Best Management Practices and Measurable Goals

a) Development Project Plan Review: Review development plans for permittee owned sites to ensure compliance with local post-construction runoff guidelines and inclusion of appropriate permanent stormwater quality controls. Ensure that contracted operators hired by the permittee design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality.

b) Inspection of Post Control Measures: Conduct inspections of post construction control measures owned and operated by the MS4. Document and maintain all associated inspection/maintenance records.

<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
Development Project Plan Review	Number of plans reviewed	Review construction plans for the inclusion of appropriate post-construction controls for permittee owned projects Interim Milestone: N/A	Annually
Inspection of Post Control Measures	Number of inspections conducted on permittee owned and operated controls	Conduct at least 1 inspection of control measures per permit term Interim Milestone: N/A	Once per permit term

4. BMP Implementation Schedule & Responsible Party

<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
Development Project Plan Review	X	X	End of Permit Term
Inspection of Post Control Measures	X	X	End of Permit Term

E. Pollution Prevention and Good Housing for Municipal Operations

1. Permit Requirements

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 sand storage locations.

2. Program Elements

The permittees currently have an operation and maintenance program, including an employee training component, to reduce/prevent pollution from municipal activities and municipally owned areas included but not limited to park and open space maintenance; street, road, or highway maintenance; fleet and building maintenance; stormwater system maintenance; new

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construction and land disturbances; municipal parking lots; vehicle and equipment maintenance and storage yards; and salt/sand storage locations.

The county plans to implement good housekeeping measures and non-structural BMPs that reduce the discharge of pollutants from the following municipal operations.

- Park and open space maintenance
- Street, road, and/or highway maintenance
- Fleet and building maintenance
- Storm sewer system maintenance
- New construction & land disturbances
- Municipal parking lots
- Vehicle/ equipment maintenance and storage yards

All permittees' employees responsible for municipal operations will attend training programs that focus on procedures for reducing the discharge of pollutants from municipal operations. The county will inspect structural control measures to ensure adequate long term maintenance.

### 3. Best Management Practices and Measurable Goals

- a) MS4 Facility Inventory: Develop and maintain an inventory of applicable MS4's facilities and stormwater controls within the regulated area.
- b) Employee Training Program: Develop a training program to target all employees responsible for operations subject to the prevention/ good housekeeping programs.
- c) Disposal of Solid Waste: Properly dispose of waste materials that are removed because of maintenance activities such as garbage/litter, floatables, dredge spoils, and/or accumulated sediments.
- d) Contractor Oversight Procedures: Develop procedures that contractually require contractors hired by the county to perform maintenance activities on county owned facilities to comply with all stormwater control measures, good housekeeping practices, and facility specific stormwater management operating procedures.
- e) Operation and Maintenance Activities: Evaluate operations and maintenance activities for their potential to discharge pollutants to stormwater. Develop general pollution prevention plans that identify potential pollutants of concern and implement appropriate measures to reduce the discharge of pollutants from operation and maintenance activities. Conduct inspections at MS4 facilities and maintain associated records.
- f) MS4 Structural Controls: Implement and maintain appropriate structural controls at applicable MS4 facilities.

<b>BMP Measurable and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
MS4 Facility Inventory	Facility inventory and associated controls	Develop and maintain MS4 facility inventory list and stormwater	Once per permit term

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<b>BMP Measurable and Method of Measurement</b>			
		controls within the regulated area Interim Milestone: N/A	
Employee Training Program	Number of training sessions conducted	Conduct at least 1 training session per permit term Interim Milestone: N/A	Once per permit term
Solid Waste Disposal	Documentation of disposal of regulated solid waste from district and county operations	Annual records showing disposal Interim Milestone: N/A	Annually
Contractor Oversight Procedures	Review current procedures to insure proper oversight	Develop contractor oversight procedures and conduct a review of the procedures once per permit term Interim Milestone: N/A	Once per permit term
Operation and Maintenance Activities	Number of general pollution prevention plans developed	Inspect municipal facilities at least once per permit term Interim Milestone: N/A	Once per permit term
MS4 Structural Controls	Inventory of MS4 structural controls	Inspect structural controls at least once per year Interim Milestone: N/A	Annually

4. BMP Implementation Schedule & Responsible Party

<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
MS4 Facility Inventory	X	X	End of Permit Term
Employee Training Program	X	X	End of Permit Term
Solid Waste Disposal	X	X	End of Permit Term

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<b>BMP</b>	<b>Hidalgo County Drainage District No. 1</b>	<b>Hidalgo County</b>	<b>Full Implementation by:</b>
Contractor Oversight Procedures	X	X	End of Permit Term
Operation and Maintenance Activities	X	X	Ongoing
MS4 Structural Controls	X	X	Ongoing

F. Industrial Stormwater Sources

1. **Permit Requirements:** Permittees who operate level 4 small MS4s shall identify and control pollutants in stormwater discharges to the small MS4 from permittee’s landfills, other treatment, storage, or disposal facilities for municipal waste (for example, transfer stations and incinerators); hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge the permittee determines are contributing a substantial pollutant loading to the small MS4. The program must include priorities and procedures for inspections and for implementing control measures for such discharges.

2. **Program Elements:** N/A- Hidalgo County Drainage District # 1 and Hidalgo County are Level 2 Small MS4s

G. Municipal Construction Activities

1. Permit Requirements: The development of this MCM for construction activities, where the small MS4 is the site operator, is optional and provides an alternative to the MS4 operator seeking coverage under TPDES CGP, TXR150000 for each construction activity. Permittees that choose to develop this measure will be authorized to discharge stormwater and certain non-stormwater from construction activities where the MS4 operator meets the definition of a construction site operator in Part I of this general permit. When developing this measure, permittees are required to meet all requirements of, and be consistent with, applicable effluent limitation guidelines for the Construction and Development industry (40 CFR Part 450), TPDES CGP TXR150000, and Part III.B.3 of this permit. The authorization to discharge under this MCM is limited to the regulated area, such as the portion of the small MS4 located within an UA or the area designated by TCEQ as requiring coverage. However, an MS4 operator may also utilize this MCM over additional portions of their small MS4 that are also in compliance with all of the MCMs listed in this general permit. This MCM must be developed as a part of the SWMP that is submitted with the NOI for permit coverage. If this MCM is developed after submitting the initial NOI, a NOC must be submitted notifying the executive director of this change, and identifying the geographical area or boundary where the activities will be conducted under the provisions of this general permit. Utilization of this MCM does not preclude a small MS4 from obtaining coverage under the TPDES CGP, TXR150000, or under an individual TPDES permit.

2. Program Elements:

a) Program Description: The Hidalgo County Drainage District # 1 will develop and implement a master construction SWP3 that will cover all construction activities performed by the district within the urbanized area. The master SWP3 will be updated for each construction site and will consider local conditions such as weather, soils, and other site-specific considerations. This MCM will only apply to construction activities performed by district crews. Contracted construction activities will be permitted under the CGP, TXR150000 by the contractor, if the disturbed area exceeds 1 acre in size. The district will ensure that the contractors have a separate authorization for storm water discharges during pre-construction coordination.

b) Regulatory Mechanisms:

- (1) A description of how construction activities will generally be conducted by the permittee so as to take into consideration local conditions of weather, soils, and other site specific considerations;
- (2) A description of the area that this MCM will address and where the permittee’s construction activities are covered (for example within the boundary of the urbanized area, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary);
- (3) Either a description of how the permittee will supervise or maintain oversight over contractor activities to ensure that the SWP3 requirements are properly implemented at the construction site; or how the permittee will make certain that contractors have a separate authorization for stormwater discharges;
- (4) A general description of how a SWP3 will be developed for each construction site, according to Part VI of this general permit, “Authorization for Municipal Construction Activities”; and
- (5) Records of municipal construction activities authorized under this optimal MCM, in accordance with Part VI of this general permit.

3. Best Management Practices and Measurable Goals

- a) StormWater Pollution Prevention Plan- The district will develop and implement a master SWP3 for use on all district construction projects within the district’ boundaries.
- b) Record Keeping- The district will maintain records of all projects using master SWP3.

<b>BMP Measurable Goals and Method of Measurement</b>			
<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
Master Storm Water Pollution Prevention Plan	Development of Master SWP3	Develop SWP3 and update as needed. Interim Milestone: N/A	Annually
Record Keeping	Number of Site Notices for district projects using SWP3	Implement SWP3 at all district projects Interim Milestone: N/A	Annually

4. BMP Implementation Schedule & Responsible Party

<b>BMP</b>	<b>Hidalgo County Drainage District</b>	<b>Hidalgo County</b>	<b>Full Implementation By</b>
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Master Storm Water Pollution Prevention Plan	X		End of Permit Term
Record Keeping	X		End of Permit Term

V. Impaired Water Bodies with Approved TMDLs

1. Permit 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.

2. Program Elements

The permittees have assessed the water bodies receiving storm water discharges from coalition MS4s, and have determined that there is no impact concerning the legacy pollutants covered in the TMDL.

VI. Impaired Water Bodies without Approved TMDLs

1. Permit Requirements

The permittees 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.

2. Program Elements

The permittees have assessed the water bodies receiving stormwater discharges from the MS4(s), and developed targeted elements in order to address the pollutant(s) of concern for impaired water bodies without approved TMDLs.

- a) Pollutant of Concern: During the first year following the permit effective date, the coalition will conduct an assessment to determine if discharges from coalition MS4's may be a source of pollutant(s) of concern by referring to the 303(d) list for specific stream segments. In cases where the assessment identifies that the pollutant(s) of concern are not likely to be contained by MS4 discharges, the MS4(s) will not be subject to this section of the SWMP for those stream segments.
- b) Targeted Controls: The coalition will utilize existing and new Best Management Practices to reduce the discharge of pollutants to impaired water bodies. The targeted controls include activities related to sanitary sewer systems, on-site sewer facilities, illicit discharges/dumping, and residential education programs.
- c) Measurable Goals: The coalition has developed measurable goals and implementation schedules for all best management practices included for each targeted control listed in this section of the SWMP. The measurable goals and implementation schedules are included in the sections below.

3. Best Management Practices and Measurable Goals for Targeted Controls

- a) Failing On-Site Sewer Systems: Identification of failing on-site sewer systems through complaints and/or visual inspections of the storm sewer system. Identified discharges from failing on-site sewer systems will be addressed as illicit discharges to the MS4 through the operator's legal authority.
- b) Promote Proper Maintenance of On-Site Sewer Systems: Develop media to facilitate proper maintenance of on-site sewer systems. Educational materials may include brochures, websites, and/or social media pages.
- c) MS4 Outfall Inspections: Utilize reports from MS4 field staff, citizens, and a concentrated dry weather screening program to inspect outfalls for illicit discharges.
- d) Public Reporting: Develop media targeting the pollutant(s) of concern to facilitate public reporting of sanitary sewer overflows, failing on-site sewer systems, illicit discharges and/or other pollutant sources. Educational materials may include stormwater hotlines, brochures, websites, and/or social media pages.
- e) Residential Education for Bacterial Sources: Develop media to facilitate public education for bacterial sources including residential sources, proper disposal of fats, oils and greases, and decorative ponds. Educational materials may include flyers/brochures, websites, and/or social media pages.

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<b>BMP</b>	<b>Measurement</b>	<b>Goals/Interim Milestones</b>	<b>Frequency of Action</b>
Failing On-Site Sewer Systems	Number of failing on-site sewer systems identified and the number of associated discharges eliminated	Conduct inspections and enforcement actions as appropriate for identified discharges associated with failing on-site sewer systems Interim Milestone: N/A	Annually
Promote Proper Maintenance of On-Site Sewer Systems	Number of educational materials distributed	Develop at least 2 types of media/materials to help facilitate proper maintenance of on-site sewer systems Interim Milestone: N/A	Once per permit term
MS4 Outfall Inspections	Percentage of outfalls inspected	Inspect approximately 20% of the identified outfalls per year	Annually
Public Reporting	Number of reports received	Develop at least 2 types of media/materials to help facilitate public reporting of illicit discharges Interim Milestone: N/A	Once per permit term
Residential Education for Bacterial Sources	Number of educational materials distributed	Develop at least 2 types of media/materials to help facilitate public education for residential bacterial sources Interim Milestone: N/A	Once per permit term

