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December 20, 2016

Texas Commission on Environmental Quality  
Stormwater & Pretreatment Team Leader (MC-148)  
P.O. Box 13087  
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for Williamson County Phase II MS4  
TPDES Authorization: TXR040112

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040112 for the Williamson County Phase II MS4.

The annual report is for Year 3, the reporting period beginning October 1, 2015 and ending September 30, 2016.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office in Austin, Texas.

Sincerely,

A handwritten signature in blue ink that reads 'Patrick T. Hughes'. The signature is fluid and cursive, with the first name 'Patrick' being more prominent than the last name 'Hughes'.

Patrick T. Hughes, P.E.  
Department of Infrastructure  
Williamson County Engineer's Office

cc: TCEQ Region 11, **MC R11**  
PO Box 13087  
Austin TX 78711-3087

## Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

### A. General Information

Authorization Number: TXR040040112

Reporting Year 3

Annual Reporting Year Option Selected by MS4:

Calendar Year\_\_\_\_\_

Permit Year\_\_\_\_\_

Fiscal Year: X Last day of fiscal year: September 30, 2016

Reporting period beginning date: October 1, 2015

Reporting period end date: September 30, 2016

MS4 Operator Level: 2 Name of MS4: Williamson County

Contact Name: Patrick T. Hughes, P.E. Telephone Number: (512) 943-3367

Mailing Address: 3151 SE Inner Loop, Suite B, Georgetown, Texas 78626

E-mail Address: phughes@wilco.org

A copy of the annual report was submitted to the TCEQ Region: YES X NO\_\_\_\_\_

Region the annual report was submitted: TCEQ Region 11

### B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV Section B.2.):

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		

2. Provide a general assessment of the appropriateness of the selected BMPs:

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
1.0: Public Education, Outreach and Involvement	1.1: Flyers and Brochures	<b>Yes.</b> Designed, printed, and distributed 100 flyer related to bacterial pollution from pet waste.
	1.2: Storm Water Website	<b>Yes.</b> The County's website has been updated and new information is posted on an as-needed basis.
	1.3: Education of the public and construction site personnel	<b>Yes.</b> A link was added on the County's webpage for General Permit information on the TCEQ website for the following: <ul style="list-style-type: none"> <li>• Industrial Storm Water Multi-Sector General Permit (TXR050000)</li> <li>• TPDES Construction General Permit (TXR150000)</li> <li>• TPDES Small MS4 General Permit (TXR040000)</li> <li>• John Graves Scenic Riverway General Permit (TXG500000)</li> </ul>

MCM(s)	BMP	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
	1.4: SWMP Committee	<b>Yes.</b> The Committee discusses, reviews and provides feedback on public education materials, local illicit discharge elimination regulations and investigation procedures, construction stormwater regulations, guidance materials, permitting and inspection procedures, and good housekeeping practices.
	1.5: Community Hotlines	<b>Yes.</b> The Williamson County Illicit Discharge Hotline (512-943-3330) has been established, is currently active, and is posted on the County's website.
2.0: Illicit Discharge Detection and Elimination	2.1: Maintain the MS4 map and Outfall Inventory	<b>Yes.</b> <ul style="list-style-type: none"> <li>• A map has been developed of the MS4 system including the location of the following: MS4 receiving streams, Storm Water Outfalls, and Permit Coverage Area.</li> <li>• New outfalls and drainage structures have been identified during the review of development and construction plans and have been added to the MS4 system map (on-going program).</li> <li>• A method has been developed and implemented for updating the MS4 map with new drainage structures and outfalls (on-going program).</li> <li>• Procedures have been developed and implemented for identifying new outfalls found in the field while conducting the MS4 outfall screening programs.</li> <li>• Training has been conducted for MS4 screening personnel and plan review personnel on proper procedures for updating the MS4 map and outfall inventory (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	2.2: MS4 Outfall Screening	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Personnel have been trained in field techniques necessary for the identification of illicit discharges (one additional staff has been trained and certified as a Certified Stormwater Inspector during the past year).</li> <li>• A system has been put in place through the County's MS4 GIS Database to track locations of illicit discharges upon identification.</li> <li>• A schedule has been developed that allows for the screening of the entire MS4 system within the permit term.</li> <li>• Outfall screening efforts have been conducted according to the developed schedule.</li> <li>• Internal tracking and record keeping procedures have been developed and implemented for outfall screening results.</li> <li>• Records of outfall screening and investigations for each outfall and any elimination activities are maintained.</li> </ul>
	2.3: Illicit Discharge Employee Training	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• A list of personnel to be educated on the identification and reporting of illicit discharges is being maintained (on-going).</li> <li>• One additional staff member was trained and certified as a Certified Stormwater Inspector during the past year.</li> <li>• The employee training program was reviewed in order to evaluate employee competence on the identification and reporting of illicit discharges (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	2.4: Illicit Discharge Hotline	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• A list of locally occurring non-storm water discharges that were observed by the public is maintained.</li> <li>• A hotline phone number for reporting of potential illicit discharges by the public has been established. The Williamson County Illicit Discharge Hotline (512-943-3330) is posted on the County's website.</li> <li>• Appropriate public education activities designed to inform the public of the hotline and types of potential discharges to report has been conducted (on-going program).</li> <li>• Internal procedures for receiving hotline phone calls has been developed.</li> <li>• Internal reporting forms to track reported discharges, investigation of public reports, and corrective actions associated with the elimination of illicit discharges reported by the public has been developed.</li> <li>• Investigations of reports made by the public if the reports are valid and are not currently under investigation have been conducted. All public reports received during the reporting year were investigated.</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
3.0: Construction Site Runoff	3.1: Construction Inspection Procedures	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• A list has been developed of items to incorporate in the inspection of local construction sites based on TCEQ storm water regulations and includes the following categories: Use of temporary erosion controls, control of other construction related wastes, operational and general prohibitions, site closure and stabilization requirements, and on-site documentation and records.</li> <li>• Inspection forms and procedures have been developed and implemented necessary to inspect local construction sites in order to ensure compliance with TCEQ construction storm water regulations.</li> <li>• A list of items to incorporate in the inspection of local construction sites based on TCEQ construction storm water regulations has been developed and has been implemented.</li> <li>• Review inspection forms and procedures and revise as necessary to inspect local construction sites in order to ensure compliance with TCEQ construction storm water regulations.</li> </ul>
	3.2: Construction Plan Reviews	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• A process has been developed implemented to obtain subdivision construction plans for review to determine compliance with TCEQ construction storm water regulations.</li> <li>• The local construction community has been educated on the subdivision construction plans review process (on-going program).</li> <li>• The subdivision construction plans review procedures have been implemented for local construction sites.</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	3.3: Construction Site Inspection	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Qualifying construction sites are inspected using appropriate inspection procedures and forms to ensure compliance with storm water regulations (on-going program).</li> <li>• Williamson County inspection personnel have been trained on construction storm water regulations and inspection procedures (on-going program).</li> <li>• Voluntary on-site meetings are conducted as needed with owners and operators of local construction sites that are not in compliance with TCEQ construction storm water regulations. Letters of non-compliance are issued to owners and operators of local construction sites that are do not voluntarily comply with TCEQ construction storm water regulations (on-going program).</li> </ul>
	3.4: Permittee Owned Construction Sites	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Required documents are submitted in order to obtain permit coverage for Williamson County owned and operated projects to maintain compliance with applicable state and/or federal construction storm water permit provisions and Edwards Aquifer Rules when applicable (on-going program).</li> <li>• Documents required for obtaining state and/or federal construction storm water permits applicable to Williamson County owned and operated construction sites have been developed.</li> <li>• Construction design and permitting guidelines are distributed to the local construction community and involved permittee personnel as required (on-going program).</li> <li>• Williamson County owned construction project planning and design criteria are reviewed as needed to determine if changes are needed to comply with local, state, and/or federal construction storm water regulations and Edwards Aquifer Rules (on-going program).</li> </ul>



MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	3.5: Construction Related Public Reporting	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Construction related public reporting educational material has been developed instructing the public in procedures for reporting to the permittee construction sites with potential storm water quality problems or construction storm water regulation violations (updating these materials is an on-going program).</li> <li>• Construction related public reporting educational material are distributed in accordance with the identified schedule (on-going program).</li> <li>• An internal tracking system has been developed to keep a record of information reported by the public (on-going program).</li> <li>• On-site investigations are conducted of those sites reported by the public that, according to the best judgment of the permittee personnel, warrant investigation (on-going program).</li> </ul>
4.0: Post-Construction Site Runoff	4.1: New Development and Re-development Plan Review	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• A process to obtain development construction plans for review to determine compliance with TCEQ post-construction runoff regulations has been developed and implemented (updating these procedures is an on-going program).</li> <li>• Internal tracking and plan review procedures have been developed and implemented to ensure compliance with TCEQ post construction runoff regulations (updating these procedures is an on-going program).</li> <li>• The local development community is educated as needed on the local development plans review process (on-going program).</li> <li>• The subdivision development plans review process has been implemented (this review process is continuously updated as needed).</li> </ul>

MCM(s)	BMP	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
	4.2: Development Project Inspection Procedures	<b>Yes.</b> Inspection forms and procedures necessary to inspect new and redevelopment projects have been developed in order to ensure compliance with TCEQ post-construction runoff regulations and approved plans.
	4.3: New Development and Re-development Project Inspection	<b>Yes.</b> <ul style="list-style-type: none"> <li>• A list of subdivision development projects that qualify for inspection under TCEQ post-construction runoff regulations has been developed and is tracked through a GIS database (this database is updated regularly).</li> <li>• Letters of non-compliance are issued to owners or operators of local development projects that are found to be out of compliance and do not voluntarily comply with TCEQ post-construction runoff regulations.</li> <li>• Qualifying development project sites are inspected using adopted inspection forms and procedures to ensure conformance with TCEQ post-construction runoff regulations (these forms are updated as necessary).</li> <li>• Inspection personnel are trained on TCEQ post-construction runoff regulations and final inspection procedures (on-going program).</li> </ul>
	4.4: Permittee Owned New Development and Re-development Projects	<b>Yes.</b> <ul style="list-style-type: none"> <li>• Conduct the development plan review process for all Williamson County owned new development and re-development projects excluding normal road maintenance (on-going program);</li> <li>• New project planning and design criteria are distributed to the local design and engineering community when changes are made to comply with local, state, and/or federal construction storm water regulations (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	4.5: Participation in Local Watershed Planning and Modeling	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>Williamson County has identified all local watershed planning and monitoring organizations, and participates in watershed planning and surface water monitoring data presentation meetings (on-going activity).</li> <li>Records are maintained of any TMDL requirements and pollutants of concern for any local MS4 receiving streams that are considered or are determined to be sensitive or impaired (on-going program).</li> <li>Williamson County maintains a list of sensitive and impaired water bodies as identified by the local watershed planning and monitoring agencies or state and federal monitoring agencies within its jurisdictional boundary (on-going program).</li> <li>TMDL requirements or load allocations are reviewed to determine if additional Best Management Practices (BMPs) or changes in existing practices are needed to meet TMDL load allocations or to protect sensitive or impaired water bodies located within the MS4 jurisdiction (on-going program).</li> </ul>
5.0: Pollution Prevention and Good Housekeeping for Municipal Operations	5.1: Pesticide and Herbicide Application	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>Williamson County complies with all local, state, and federal regulations associated with pesticide and herbicide application (on-going program).</li> <li>Each location is assessed for opportunities to implement alternative practices and endeavors to retrofit structures in order for non-pesticide methods of maintenance to become effective (on-going program).</li> <li>A prioritized list of areas where retrofits and alternative pest control practices would reduce overall pesticide and herbicide application volumes has been developed (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	5.2: Maintenance of Roadways	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Current roadway maintenance activities are continuously being assessed to determine if modification of current practices would benefit storm water quality.</li> <li>• The roadway maintenance program has been assessed and revisions to the roadway maintenance policy according to identified alternative practices are made as necessary (on-going program).</li> <li>• Alternative practices are continuously being assessed and implemented as appropriate that would reduce the discharge of road materials during construction or maintenance activities (on-going program).</li> <li>• The roadway maintenance program is continuously being evaluated and roadway maintenance policies revised according to identified alternative practices.</li> </ul>
	5.3: Culvert/Inlet Cleaning	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Williamson County has implemented a culvert cleaning program according to a developed schedule (on-going program).</li> <li>• Areas have been identified where catch basins, surface inlets, and/or storm sewer manholes should be periodically cleaned to reduce discharge of floatable materials, sediment, and other materials (on-going program).</li> </ul>
	5.4: Landscaping and Lawn Care	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• An inventory of all Williamson County owned landscaping and lawn care areas has been developed.</li> <li>• All herbicides, pesticides, and fertilizers are used in accordance with manufacturers' instructions for application rates and quantities (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	5.5: Vehicle Maintenance	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>Williamson County vehicle operators conduct daily inspections of vehicles to check for fluid leaks (on-going program).</li> <li>An inventory of Williamson County owned vehicles has been developed through means of a database that includes inspection and maintenance history for each vehicle. This database is continuously updated (on-going program).</li> <li>Vehicle inspection and maintenance records are reviewed to evaluate conformance to vehicle manufacturer service specifications (on-going program).</li> <li>Repairs are scheduled for vehicles determined to have fluid leaks (on-going program).</li> <li>Routine inspections are conducted on all vehicles according to manufacturers' specifications or at more frequent intervals as needed according to the County's database. Inspections of all vehicles includes identifying the presence of any fluid leaks (on-going program).</li> </ul>
	5.6: Spill Prevention Plans	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>An inventory of all Williamson County owned facilities has been developed and those that may be required to have SPCC Plans identified.</li> <li>Identified facilities have been individually evaluated to determine if Spill Prevention Control and Countermeasures (SPCC) Plans may be required.</li> <li>SPCC Plans have been developed and maintained for Williamson County owned facilities that require such plans.</li> <li>The County adheres to all SPCC plan requirements at qualifying Williamson County owned facilities.</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	5.7: Illegal Dumping	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Investigations of illegally dumped material are conducted in order to attempt to identify the sources of the materials (on-going program).</li> <li>• A list of illegal dumping locations has been identified (this list is continually updated as part of an on-going program).</li> <li>• Existing local legal authority or other means are used to assess enforcement actions against identified illegal dumpers (on-going program).</li> <li>• Signs are posted at illegal dumping locations that indicate the prohibitions associated with illegal dumping (on-going program).</li> <li>• A brochure has been developed (posted on the County's web page) explaining the penalties associated with illegal dumping and how the public can help.</li> </ul>
	5.8: Disposal of Waste removed from Storm Sewer Facilities	<p><b>Yes.</b></p> <ul style="list-style-type: none"> <li>• Methods used to dispose of waste from storm sewer facilities have been evaluated.</li> <li>• Guidelines have been developed for proper disposal of waste removed from storm sewer facilities.</li> <li>• Disposal methods are continuously reviewed to assure compliance with guidelines (on-going program).</li> </ul>

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)
	5.9: Maintenance of Permittee owned Structural Controls	<b>Yes.</b> <ul style="list-style-type: none"> <li>• All permittee owned structural controls in urbanized areas have been located and identified.</li> <li>• Any new structural controls identified during mapping of outfalls are located and added to the GIS database (part of an on-going program).</li> <li>• A maintenance plan has been implemented for currently identified structural controls.</li> <li>• A plan has been developed for maintenance of structural controls in urbanized areas if/when any are found (part of an on-going program).</li> </ul>
6.0: Industrial Stormwater Sources		Williamson County is a level 2 small MS4 and as such is not required to implement this minimum control measure. Much of this information is included in MCM #5 (Pollution Prevention and Good Housekeeping for Municipal Operations) above.

- Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or if required monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may use the table (**See Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1.0	Flyers & Brochures	Distribution	100	pet waste flyers	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, increasing public awareness will eventually reduce pollutants.
1.0	Storm Water Website	Hits	1,202	visits	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, educating citizens and providing information increases public awareness will eventually reduce pollutants.
2.0	Maintain the MS4 map	Construction Plans	5	new outfalls identified	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, adding new outfalls to the MS4 map identifies additional locations to inspect.
2.0	MS4 Outfall Screening	Appearance	45	each	<b>Yes.</b> When illicit discharges are observed, immediate action can be taken to remove the pollutant and track the source. Results of screenings have demonstrated pollutants to be minimal.
2.0	Illicit Discharge Employee Training	Certified Stormwater Inspector Training Course	1	new certified employee <sup>1</sup>	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, training of employees will allow identification and reporting illicit discharges. Action can then be taken to remove the pollutant and track the source.



MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
2.0	Illicit Discharges	MS4 Outfall Screening	0	Discharges	<b>Yes.</b> When illicit discharges are observed during on-site inspections, immediate corrective action can be taken to remove the pollutant. None were identified except illegal dumping handled by Constable.
3.0	Subdivision Construction Plan Review	Subdivision Plan sets	52	Subdivision Reviews	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, subdivision plan reviews assures the inclusion of appropriate control measures, notes and compliance with TCEQ regulations for storm water.
3.0	Subdivision Construction Site Inspection	Construction Sites	66	Subdivisions Inspected <sup>2</sup>	<b>Yes.</b> When illicit discharges are observed during on-site inspections, immediate corrective action can be taken to remove the pollutant.
4.0	New Development Plan Review	New Development or Re-Development Site Plans	28	Site Plan Reviews	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, new development site plan reviews assures the inclusion of appropriate control measures, notes and compliance with TCEQ regulations for storm water.
4.0	Local Watershed Planning and Modeling	Watershed Studies	3	Comprehensive studies	<b>No.</b> Though this BMP does not result in a direct reduction of pollutants, participation in watershed planning and modeling studies increases awareness of the behavior of the hydraulics of the watershed. This information can be used in locating the source of pollutants identified within the watershed.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
5.0	Culvert/Inlet Cleaning	Work Orders	5 <sup>3</sup>	Culverts cleaned or replaced	<b>Yes.</b> Williamson County maintains 633 culverts <sup>3</sup> within its MS4 jurisdictional area. The periodic cleaning of culverts, catch basins, surface inlets, and storm sewer manholes reduces the discharge of floatable materials, sediment, and other materials.
5.0	Vehicle Maintenance	Vehicle Service Records	1,944	Vehicles serviced <sup>4</sup>	<b>Yes.</b> Inspections of all vehicles includes identifying the presence of any fluid leaks, which prevents the discharge of fluids into the stormwater system.
5.0	Illegal Dumping	Total Environmental Calls	209	Each	<b>Yes.</b> When illegal dumping is reported by the public or observed during field inspections, immediate corrective action can be taken to remove the pollutant.
		New Illegal Dumping Cases	64	Each	
		Previous Illegal Dumping Cases	14	Each	
		Corrective Action	74	Each	

<sup>1</sup>Certified Stormwater Inspector, Patrick T. Hughes, P.E., Austin, TX September 19-20, 2016

<sup>2</sup>Subdivisions inspected (52) plus utility installations inspected (14)

<sup>3</sup>Queries obtained from Wilco GIS culvert database and from work orders of culverts cleaned or replaced contained in the Wilco VueWorks database

<sup>4</sup>Based on query of Routine Maintenance database records, Fleet Division

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**See Example 3 in instructions**):

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished please explain
1.0: Public Education, Outreach and Involvement	1.1: Designed, printed, and distributed 100 flyer related to bacterial pollution from pet waste.	<b>Goal Accomplished</b>
	1.2: Update the County's Website	<b>Goal Accomplished</b> – website updated in Year 2
	1.3: Add TCEQ General permit information to the County's website.	<b>Goal Accomplished</b> – website updated in Year 2
2.0: Illicit Discharge Detection and Elimination	2.1: Maintain the MS4 map and Outfall Inventory	<b>On-going Program</b> – Five (5) new outfalls were added to the MS4 map during Year 3.
	2.2: MS4 Outfall Screening	<b>On-going Program</b> – 45 outfalls were screened during Year 3.
	2.3: Illicit Discharge Employee Training	<b>Goal Accomplished</b> – Employee Patrick T. Hughes, P.E. received training in September 2016 and was awarded certification as a Certified Stormwater Inspector
3.0: Construction Site Runoff	3.1: Construction Inspection Procedures	<b>On-going Program</b> – Inspection forms and procedures were reviewed and revised to ensure compliance with TCEQ construction storm water regulations.
	3.2: Construction Plan Reviews	<b>On-going Program</b> – Construction plans for 52 subdivisions were reviewed during Year 3.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished please explain
	3.3: Construction Site Inspection	<b>On-going Program</b> – Inspection of 66 construction sites were reviewed during Year 3. These include new subdivision construction and utility installations.
5.0: Pollution Prevention and Good Housekeeping for Municipal Operations	5.2: Maintenance of Roadways	<b>On-going Program</b> – Assessment and revisions to the roadway maintenance policy are continuously performed as necessary according to identified alternative practices are made, and as appropriate that would reduce the discharge of road materials during construction or maintenance activities.
	5.6: Spill Prevention Plans	<b>On-going Program</b> –SPCC Plans have been developed and maintained for Williamson County owned facilities that require such plans.

### C. Stormwater Data Summary

Provide a summary of all information used including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.? (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(b))

Visual observations were conducted during outfall screenings. Outfalls were screened for odor, color, clarity, floatables, deposits or stains, vegetation conditions, structural condition, biological condition. In addition, water flow was estimated and logged for each outfall. Photographs were taken of outfall structures in order to compare their condition to previous years' inspections.

### D. Impaired Waterbodies

1. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern: (Refer to MS4 General Permit TXR040000 Part IV Section B.2.(c))

As outlined in the Storm Water Management Plan, Williamson County designed, printed, and distributed pet waste flyers. The pet waste flyer is a focused BMP to address bacteria in impaired waters. The pet waste flyer contained information that educated the public on the importance of picking up after their pets. This information included: a description of storm water, facts on how unaddressed pet waste can negatively affect the environment by contributing to bacteria buildup in storm water, and a list of steps that the public can do to decrease the amount of unaddressed pet waste. Once the pet waste flyers were designed, a total of 500 flyers were printed. Finally, the pet waste flyers were distributed at visitor information kiosks throughout the Williamson County Trails system and at the Williamson County Courthouse.

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)):

This section is not applicable.

3. Report the benchmark identified by the MS4 and assessment activities (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(6)):

<b>Benchmark Parameter</b> (Ex: Total Suspended Solids)	<b>Benchmark Value</b>	<b>Description of additional sampling or other assessment activities</b>	<b>Year(s) conducted</b>
Not Applicable			

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4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(4)):

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
Not Applicable		

5. If applicable, report on focused BMPs to address impairment for bacteria (Refer to the MS4 General Permit TXR040000; Part II Section D.4.(a)(5)):

Description of bacteria-focused BMP	Comments/Discussion
Designed, printed, and distributed pet waste flyers.	The pet waste flyer was designed to inform the public on the negative environmental effects of pet waste. The pet waste flyers were handed out at Williamson County trails and in parks in order to reach animal owners that use outdoor facilities. In addition, the pet waste flyer was handed out at the county courthouse and posted to the county website so that the public would be reminded of the importance of this issue.

6. Assess the progress to determine BMP’s effectiveness in achieving the benchmark (Refer to the MS4 General Permit TXR040000; Part II.D.4.(a)(6)):

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- decrease in number of illegal dumping;
- increase in illegal dumping reporting;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs)
- increase in illegal discharge detection through dry screening

Benchmark Indicator	Description/Comments
Not Applicable	Not Applicable

## E. Stormwater Activities

Describe stormwater activities the MS4 operator plans to undertake during the next reporting year. You may use the table below (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(d)):

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
1.0: Public Education, Outreach and Involvement	1.2: Storm Water Website	Continue to update Williamson County's Storm Water Management webpage with new or updated information on an as-needed basis.	
2.0: Illicit Discharge Detection and Elimination	2.1: Maintain the MS4 Map and Outfall Inventory	Update the MS4 map on an as-needed basis.	As adjacent cities annex land adjacent to their city limit, from time to time it is found that an MS4 outfall no longer lies within Williamson County's jurisdictional area. Information regarding such outfalls is pass on to the appropriate MS4 Operator. Occasionally, outfalls are discovered that were not previously part of the inventory.
	2.2: MS4 Outfall Screening	Locate new outlets and rescreen all outlets.	New outfalls will be identified through construction plan review and on-site inspections and will be screened in the field.
	2.3 Illicit Discharge Employee Training	Training will be provided for all new personnel involved in on-site field screening of outfalls and construction site inspection.	Such training will focus toward on-site field screening of outfalls, identification of illicit discharges, and construction site inspection.
3.0: Construction Site Runoff	3.1: Construction Inspection Procedures	Williamson County staff will review current subdivision construction inspection procedures and implement any necessary changes through appropriate employee training.	



<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
	3.2: Construction Plans Review	Revise internal tracking and plan review procedures as appropriate to address the following issues: Conformance to the latest TCEQ storm water regulations, appropriate use of temporary erosion controls, and inclusion of any required local, state, and/or federal storm water permit documents.	Williamson County staff will review current internal tracking and plan review procedures of the identified issues.
	3.3: Construction Site Inspection	Revise construction site inspection procedures as appropriate to address the following issues: Conformance to the latest TCEQ storm water regulations, appropriate use of temporary erosion controls, and inclusion of any required local, state, and/or federal storm water permit documents.	Williamson County staff will review current construction site inspection procedures of the identified issues.
4.0: Post-Construction Site Runoff	4.5: Participation in Local Watershed Planning and Modeling	Continue to participate in watershed planning, modeling and surface water monitoring data presentation meetings.	Williamson County is currently participating in watershed studies being performed by the City of Georgetown, the Upper Brushy Creek Watershed and FEMA.
5.0: Pollution Prevention and Good Housekeeping for Municipal Operations	5.6: Spill Prevention Plans	Develop and/or maintain SPCC Plans for permittee owned facilities that require such plans.	New and on-going Williamson County owned construction projects.

MCM(s)	BMP	Stormwater Activity	Description/Comments

## F. SWMP Modifications

- Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

\_\_\_\_ Yes      X   No

If 'Yes', report on changes made to measurable goals and BMPs (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(e)):

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)

**Note:** If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible and why the replacement BMP is expected to achieve the goals of the original BMP.

2. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land etc.):

## G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans (Refer to the MS4 General permit TXR040000 Part IV Section B.2.(f)).

There are no additional BMPs proposed at this time.

BMP	Description	Implementation Schedule (Start Date etc.)	Status / Completion Date (completed, in progress, not started)
Not Applicable			

## H. Additional Information

1. Is the permittee relying on another entity to satisfy some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(g))

\_\_\_ Yes \_\_\_X No

If 'Yes,' provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed):

Name and Explanation:

Name and Explanation:

Name and Explanation:

Name and Explanation:

2.a. Is the permittee part of a group sharing a SWMP with other entities?

\_\_\_ Yes   X   No

2.b. If 'yes,' is this a system-wide annual report including information for all permittees?

\_\_\_ Yes \_\_\_ No

If 'Yes,' list all associated authorization numbers, permittee names, and SWMP **responsibilities of each** member. (add additional spaces or pages if needed):

Authorization Number: \_\_\_\_\_ Permittee: \_\_\_\_\_

## I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) \_\_\_\_\_

2a. Does the permittee utilize the optional 7<sup>th</sup> MCM related to construction?

\_\_\_ Yes \_\_\_ **X** No

2b. If 'yes,' then provide the following information for this permit year (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(i)):

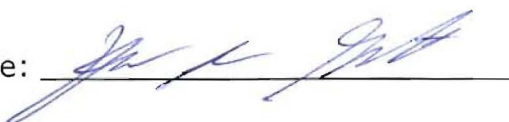
The number of municipal construction activities authorized under this general permit	
The total number of acres disturbed for municipal construction projects	

**Note:** Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

## J. Certification

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Name (printed): Dan Gattis Title: County Judge, Williamson County, Texas

Signature:  Date: 12-22-2016

Name of MS4 Williamson County