

# **Williamson County**

## **Storm Water Management Plan**

for coverage under

**Phase II (Small) Municipal Separate Storm Sewer Systems  
(MS4s) General Permit No. TXR040000**

Williamson County  
710 Main Street, Suite 101  
Georgetown, Texas 78626

512-943-1550

Approved by Williamson County Commissioners Court  
on 1-15-2008  
for submission to TCEQ

**Dwight Pittman**

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**To:** Gordon Cooper  
**Subject:** RE: MS4 SWMP Review for Williamson County

**MCM 1: Public Education and Outreach**

- Please provide additional information as to how each of the following groups will be addressed by the BMPs listed in this MCM (1): visitors; public service (county) employees; local businesses; and local commercial and industrial facilities.

Visitors, public service (county) employees, local business and local commercial and industrial facilities were all considered to be members of the public in our plan. We are not aware of any commercial and industrial facilities in our MS4.

Storm-water education of these groups will be accomplished through the use of flyers and brochures and through the County web-site. A storm-water committee will be set up to select storm-water topics and to select locations for distribution of the selected flyers and brochures.

It is anticipated that locations for distribution of educational materials will include the County Judges office, Commissioners offices, Unified Road System offices, Williamson County & Cities Health Department and various other County offices plus Visitors Information Centers in various cities.

I trust that this provides the information that you requested. I will include a copy of this information with our SWMP for clarification.

Please let me know if you need additional explanation of the above information.

Thank you

Dwight L Pittman

Ass't County Engineer

Williamson County

512-943-3337

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**From:** Gordon Cooper [mailto:GCooper@tceq.state.tx.us]  
**Sent:** Tuesday, October 07, 2008 3:19 PM  
**To:** Dwight Pittman  
**Subject:** MS4 SWMP Review for Williamson County

Mr. Pittman,

My name is Gordon Cooper and I am the permit writer who is reviewing the SWMP for the Williamson County MS4 permit application.

Upon reviewing the SWMP I have found that there is some additional information that will be required to complete this review process.

**MCM 1: Public Education and Outreach**

- Please provide additional information as to how each of the following groups will be addressed by the BMPs listed in this MCM (1): visitors; public service (county) employees; local businesses; and local commercial and industrial facilities.

Please update your SWMP with this information and send a response to this request back to me via e-mail within 2 weeks of the date of this e-mail. If there is a specific reason why this information is not needed and not included in the SWMP, please indicate why for each required element addressed by this request in an e-mail response.

If you need any additional information please feel free to contact me at: Gordon Cooper, TCEQ Water Quality Division, 512-239-1963.

Thank you very much,

Gordon Cooper  
Environmental Permit Specialist I  
TCEQ Water Quality Division  
Storm Water & Pretreatment Team (MC 148)  
P.O Box 13087  
Austin, TX 78711-3087

Phone: 512-239-4671

Fax: 512-239-4430

## Dwight Pittman

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**From:** Gordon Cooper [GCooper@tceq.state.tx.us]  
**Sent:** Tuesday, October 07, 2008 3:21 PM  
**To:** Dwight Pittman  
**Subject:** Public Notice Review and Proofread for Williamson County

Mr. Pittman,

My name is Gordon Cooper and I am the permit writer who is reviewing the SWMP for the Williamson County MS4 permit application.

Upon reviewing the SWMP I have found that there is some additional information that will be required to complete this review process.

### **MCM 1: Public Education and Outreach**

- Please provide additional information as to how each of the following groups will be addressed by the BMPs listed in this MCM (1): visitors; public service (county) employees; local businesses; and local commercial and industrial facilities.

Please update your SWMP with this information and send a response to this request back to me via e-mail within 2 weeks of the date of this e-mail. If there is a specific reason why this information is not needed and not included in the SWMP, please indicate why for each required element addressed by this request in an e-mail response.

If you need any additional information please feel free to contact me at: Gordon Cooper, TCEQ Water Quality Division, 512-239-1963.

Thank you very much,

Gordon Cooper  
Environmental Permit Specialist I  
TCEQ Water Quality Division  
Storm Water & Pretreatment Team (MC 148)  
P.O Box 13087  
Austin, TX 78711-3087

Phone: 512-239-4671  
Fax: 512-239-4430



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

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



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

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

<input checked="" type="checkbox"/> Mailed:	Check/Money Order No.: 0285294	Name Printed on Check: Williamson County
<input type="checkbox"/> EPAY:	Voucher No.:	Is the Payment Voucher copy attached? <input type="checkbox"/> Yes

**IMPORTANT:**

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

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

Is the copy attached?  Yes

**A. OPERATOR (applicant)**

1. If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity?  
CN 000897888

2. What is the full Legal Name of the applicant?  
Williamson County  
*(The exact legal name must be provided.)*

3. What is the applicant's mailing address as recognized by the US Postal Service?

Address: 710 MAIN ST.	Suite No./Bldg. No./Mail Code: Suite 101	
City: Georgetown	State: TX	ZIP Code: 78626

Country Mailing Information (if outside USA). Country Code: Postal Code:

4. Phone No.: (512) 943-1550	Extension:
5. Fax No.: (512) 943-1662	E-mail Address: cityjudge@wilco.org

6. Indicate the type of Customer:

<input type="checkbox"/> Federal Government	<input type="checkbox"/> State Government	<input checked="" type="checkbox"/> County Government
<input type="checkbox"/> City Government	<input type="checkbox"/> Other Government	

7. Number of Employees:  0-20;  21-100;  101-250;  251-500; or  501 or higher

**B. BILLING ADDRESS**

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

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

1. Billing Mailing Address: 3151 SE Inner Loop	Suite No./Bldg. No./Mail Code: Ste. B	
City: Georgetown	State: TX	ZIP Code: 78626
2. Country Mailing Information (if outside USA).	Country Code:	Postal Code:
3. Billing Contact (Attn or C/O): Dwight Pittman / Lydia Linden		
4. Phone No.: (512) 943-3330	Extension:	
5. Fax No.: (512) 943-3335	E-mail Address: dpittman@wilco.org	

**C. REGULATED ENTITY (RE) INFORMATION**

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

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

3. Provide a brief description of the regulated MS4 boundaries:  
 (Example: Area within the City of XXXX limits that is located within the xxx (e.g. Dallas) urbanized area.)  
*Area within Williamson County unincorporated area located within Austin U.A.*

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

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

5. What is the latitude and longitude of the approximate center of the regulated portion of the small MS4?  
 Latitude: *30.53401* N Longitude: *-97.782668* W

6. What is the mailing address for the regulated entity? *Same as Operator*  
 Is the RE mailing address the same as the Operator?  Yes, go to Section F.  No, provide the address.  
 Street Number: Street Name:  
 City: State: ZIP Code:

**D. GENERAL CHARACTERISTICS**

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

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

3. Has TCEQ "designated" the small MS4 as needing coverage under this general permit?  Yes  No  
 If "No" and no portion of the Small MS4 is located within an Urbanized Area as determined by the 2000 Decennial Census by the U.S. Bureau of Census requiring a NOI be submitted, the operator is not eligible for coverage under this general permit through the NOI.

**4. Storm Water Management Program (SWMP)**

a. I certify that the SWMP submitted with this Notice of Intent has been developed according to the provisions of this general permit TXR040000.  Yes  No

b. I certify that the SWMP Cover Sheet is completed and attached to the front of the SWMP.  Yes  No  
 If No to question a. or b. the application is considered incomplete and may be returned.

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

Name: *Dwight Pittman* Title: *Asst County Engineer* Company: *Williamson County*  
 Address: *3151 SE INNER LOOP* Suite No./Bldg. No./Mail Code: *Ste. B*  
 City: *Georgetown* State: *Tx* ZIP Code: *78626*  
 Phone No.: *(512) 943-3337* Extension:  
 Fax No.: *(512) 943-3335* E-mail Address: *dpittman@wilco.org*

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

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

b. If you answered "Yes" to 5.a., what are the boundaries within which those activities will occur?  
*N/A*

Note: If the boundaries are located outside of the urbanized area, then the entire SWMP must also incorporate the additional areas.

c. Is the discharge or potential discharge from regulated construction activities ~~within~~ the Recharge Zone, Contributing Zone, or Contributing zone within the Transition zone of the Edwards Aquifer?  Yes  No

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

6. Discharge Information

a. What is the name of the receiving water body(s) from the MS4? *Rattan Creek, Post Oak Creek, McWh Creek, Spanish Oak Creek, Dry Fork Brushy Creek, Lake Creek, South Brushy Creek, Brushy Creek and various other tributaries of Brushy Creek.*

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

*1244*

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

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

*Brushy Creek 1244-03, 1244-04*

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

If Yes, what is the name of the MS4 Operator?

*See Attached List entitled answers to question 6d*

7. Edwards Aquifer

Is the discharge or potential discharge from the MS4 within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer?  Yes  No

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

8. Public Participation Process

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

The applicant must file with the Chief Clerk a copy of an affidavit of the publication within 60 days of receiving the written instructions from the Office of Chief Clerk.

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

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

b. Who is the person responsible for publishing notice of the executive director's preliminary determination on the NOI and SWMP? (Note: All contact information requested below is required.)

Name: <i>Dwight Pittman</i>	Title: <i>Ass't County Engineer</i>	Company: <i>Williamson County</i>
Address: <i>3151 SE INNER LOOP</i>	Suite No./Bldg. No./Mail Code: <i>Ste B</i>	
City: <i>Georgetown</i>	State: <i>Tx</i>	Zip Code: <i>78626</i>
Phone No.: <i>(512) 943-3337</i>	Extension:	
Fax No.: <i>(512) 943-3335</i>	E-mail Address: <i>dpittman@wilco.org</i>	

c. What is the name and location of the public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be viewed?

Name of Public Place:

*Williamson County Central Maintenance Facility*

Address of Public Place:

*3151 SE INNER LOOP, Suite B, Georgetown, Texas 78626*

County of Public Place:

*Williamson*

**E. CERTIFICATION**

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


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

**Operator Certification:**

I, Dan A Gattis County Judge  
Typed or printed name Title

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

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature:  Date: 1-17-08  
(Use blue ink)

Question 6d (attachment)

The following is a list of MS4's in Williamson County which may receive discharges from the Williamson County MS4:

Anderson Mill MUD  
Bella Vista MUD  
Block House MUD  
Brushy Creek MUD  
Brushy Creek WCID  
Chisholm Trail SUD  
Fern Bluff MUD  
Meadows at Chandler Creek MUD  
North Austin MUD 1  
Poloma Lake MUD  
Ranch at Cypress Creek MUD  
Springwoods MUD  
Stonewall Ranch MUD  
Upper Brushy Creek WCID  
Williamson County MUD 9  
Williamson County MUD 10  
Williamson County MUD 11  
Williamson County MUD 12  
Williamson County MUD 13  
Williamson County MUD 19  
City of Round Rock  
City of Cedar Park  
City of Leander  
City of Hutto  
Texas Department of Transportation

## Storm Water Management Program (SWMP) Cover Sheet

Confirm Each Minimum Control Measure (MCM) Below is Included in the SWMP

This cover sheet MUST be completed by indicating the page number where the requested item will be found in the SWMP. Provide the page number in the left column for each item.

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

Operator Name on NOI: *Williamson County*

<b>Page # (s)</b>	<b>MCM 1: Public Education and Outreach on Storm Water Quality Issues</b>
<i>8, 9</i>	<p>SWMP includes the following required elements:</p> <ol style="list-style-type: none"> <li>1. Educational materials are distributed to the community, or equivalent public outreach is conducted.</li> <li>2. The following groups are included in the program, or the SWMP provides justification if the group is not included: residents, visitors, public service employees, businesses, commercial and industrial facilities, and construction site personnel.</li> <li>3. Outreach informs groups about impacts storm water can have on water quality, hazards associated with illegal discharges, and steps they can take to reduce pollutants in storm water runoff.</li> </ol>
<i>8 9  9</i>	<p>SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Classroom Education</li> <li><input type="checkbox"/> Use of media</li> <li><input type="checkbox"/> Education/Outreach for Commercial Activities</li> <li><input type="checkbox"/> Lawn and garden activities</li> <li><input type="checkbox"/> Promotional giveaways</li> <li><input type="checkbox"/> Water conservation practices for homeowners</li> <li><input type="checkbox"/> Outreach programs tailored to specific communities and children</li> <li><input checked="" type="checkbox"/> Storm water educational materials</li> <li><input type="checkbox"/> Educational displays, pamphlets, booklets, and utility stuffers</li> <li><input checked="" type="checkbox"/> Webpage</li> <li><input type="checkbox"/> Storm drain stenciling</li> <li><input type="checkbox"/> Speakers to community groups</li> <li><input type="checkbox"/> Encouragement of proper lawn and garden care</li> <li><input type="checkbox"/> Encouragement of low impact development</li> <li><input type="checkbox"/> Support of pollution prevention for businesses</li> <li><input type="checkbox"/> Encouragement of water conservation practices</li> <li><input type="checkbox"/> Encouragement of pet waste management</li> <li><input checked="" type="checkbox"/> Storm water hotlines</li> </ul>
<i>9, 5</i>	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
<input type="checkbox"/> <i>4, 5</i>	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
<b>Page # (s)</b>	<b>MCM 2: Public Involvement/Participation</b>
<i>4, 5, 10</i>	SWMP includes a program that complies with State and local public notice requirements.
<i>10 11</i>	<p>SWMP lists BMPs used to fulfill this MCM. Examples of possible BMPs may include the following:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Stakeholder meetings</li> <li><input checked="" type="checkbox"/> Community hotline</li> <li><input type="checkbox"/> Coordination with school groups/scouting</li> <li><input type="checkbox"/> Listserver</li> <li><input type="checkbox"/> Stream cleanup and monitoring</li> <li><input type="checkbox"/> Adopt-A-Stream programs</li> <li><input type="checkbox"/> Incentives for businesses to participate, such as web links</li> </ul>

24	<input type="checkbox"/> Volunteer monitoring <input checked="" type="checkbox"/> Watershed Organization <input type="checkbox"/> Storm drain stenciling programs <input type="checkbox"/> Advisory/partner committees <input type="checkbox"/> Mailing list development and use <input type="checkbox"/> Reforestation programs <input type="checkbox"/> Wetland plantings <input type="checkbox"/> Coordinate volunteer programs
yes	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
yes	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	<del>MCM 3: Illicit Discharge Detection and Elimination</del>
12-15	SWMP includes the following required elements:
13, 14 15	<ol style="list-style-type: none"> <li>1. Description of program that will be used to detect and eliminate illicit discharges</li> <li>2. Description of the manner and process to be used to effectively prohibit illicit discharges, including, at a minimum: <ol style="list-style-type: none"> <li>a. List of detection techniques</li> <li>b. Appropriate actions and enforcement procedures for removing the source of an illicit discharge</li> <li>c. To the extent allowable under state and local law, an ordinance or other regulatory mechanism is utilized to prohibit and eliminate illicit discharges</li> <li>d. Description of local controls and conditions established for common and incidental non-storm water discharges that the operator does not consider illicit</li> </ol> </li> <li>3. Map of outfalls included or described in schedule, with following information: <ol style="list-style-type: none"> <li>a. Locations of all outfalls</li> <li>b. Names and locations of waters of the U.S. receiving discharges from the MS4</li> <li>c. Source(s) of information used to develop and update map</li> </ol> </li> </ol>
12	
3, 4 29	SWMP Lists BMPs used to fulfill this MCM. Examples of possible BMPs may include the following:
13	<input checked="" type="checkbox"/> List of non-storm water discharges that will not be considered illicit <input checked="" type="checkbox"/> Procedures to address illegal dumping <input type="checkbox"/> Hazardous materials disposal opportunities <input type="checkbox"/> Industrial / Business connections <input type="checkbox"/> Addressing wastewater connections to MS4 <input type="checkbox"/> Addressing recreational sewage (boats/camping/etc.) <input checked="" type="checkbox"/> System inspections <input type="checkbox"/> Dye testing <input type="checkbox"/> Recycling programs
14	<input checked="" type="checkbox"/> Informing public/employees/businesses of hazards associated with illicit discharges <input type="checkbox"/> Identification of illicit discharges <input type="checkbox"/> Used oil collection centers <input type="checkbox"/> Public outreach and education programs regarding illicit discharges <input type="checkbox"/> Publicize and facilitate public reporting
yes	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
yes	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	<del>MCM 4: Construction Site Storm Water Runoff Control</del>
16-20	SWMP includes the following required elements listed below:
17	<ol style="list-style-type: none"> <li>1. Description of program that will be developed, implemented and enforced, to address storm water runoff from construction one acre and greater (including larger common plan)</li> <li>2. Ordinance or other regulatory mechanism to require erosion and sediment controls, to the extent allowable under state and local law <ol style="list-style-type: none"> <li>a. Ordinance/regulatory mechanism includes sanctions to ensure compliance, to the extent allowable under state and local law</li> <li>b. Program requires contractors to implement erosion and sediment control BMPs</li> </ol> </li> </ol>
18	

17 20 18	<p>c. Program requires contractors to control construction site waste</p> <ol style="list-style-type: none"> <li>3. Procedures for site plan review to consider water quality impacts</li> <li>4. Procedures for receipt and consideration of input from the public</li> <li>5. Procedures for site inspection and enforcement of control measures, to the extent allowable under state and local law</li> </ol>
17 17 20	<p>SWMP lists BMPs used to fulfill this MCM. Examples may include:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Requirement to comply with TPDES CGP</li> <li><input type="checkbox"/> Notification to discharger of responsibilities under TPDES CGP</li> <li><input checked="" type="checkbox"/> Hire staff to review construction site plans</li> <li><input checked="" type="checkbox"/> Provide a web page for public input on construction activities</li> <li><input type="checkbox"/> Require overall construction site waste management</li> <li><input type="checkbox"/> Perform site inspections and enforcement</li> <li><input type="checkbox"/> Provide education and training for construction site operators</li> <li><input type="checkbox"/> Notify dischargers of requirement to obtain TPDES permit coverage</li> <li><input type="checkbox"/> Mechanism to prohibit discharges into MS4 where necessary</li> </ul>
425	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
425	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
425	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	<b>MCM 5: Post-Construction Storm Water Management in Areas of New Development and Redevelopment</b>
20-24	SWMP includes the following required elements listed below:
20	1. SWMP describes program that will be developed, implemented and enforced, to address storm water runoff from new development / redevelopment activities of one acre and greater (including larger common plan)
21	2. Program ensures controls are in place to address runoff
	3. Strategies include structural and/or non-structural BMPs appropriate for the community
	4. Ordinance or other regulatory mechanism is in place or planned which will regulate discharges from new development and redevelopment projects
	5. Long term operation and maintenance of BMPs is addressed
21 21	<p>SWMP lists BMPs used to fulfill this MCM. Examples may include:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Local ordinance in place or planned</li> <li><input checked="" type="checkbox"/> Guidance document for developers to utilize</li> <li><input type="checkbox"/> Specific BMPs established for particular watersheds</li> <li><input checked="" type="checkbox"/> List of appropriate BMPs provided to operators</li> <li><input type="checkbox"/> Elimination of curbs and gutters is encouraged</li> <li><input type="checkbox"/> Zoning takes into account storm water issues</li> <li><input type="checkbox"/> Incentives for use of permeable choices, such as porous pavement</li> <li><input type="checkbox"/> Requirements for wet ponds or other BMPs for certain size sites</li> <li><input type="checkbox"/> Xeriscaping</li> </ul>
425	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
425	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s)	<b>MCM 6: Pollution Prevention/Good Housekeeping Measures for Municipal Operations</b>
25-31	SWMP includes the following required elements listed below:
31	1. Operation and maintenance (O&M) program in place or scheduled, to reduce/prevent pollution from municipal operations
	2. Housekeeping measures and BMPs that will reduce pollutants have been identified
	3. Training provided for employees involved in municipal operations subject to the housekeeping/BMP requirements
	4. Maintenance of structural BMPs (if applicable) is performed
	a. SWMP lists maintenance schedules for structural BMPs (if applicable)
	b. SWMP lists long term inspection procedures to reduce floatables

30	<p>5. Waste is removed from MS4 and properly disposed</p> <p>a. Procedures for waste disposal are included for dredge spoil, accumulated sediment, and floatables</p> <p>6. List of municipal operations subject to O&amp;M program or training program</p> <p>7. List of municipally owned industrial activities subject to TPDES industrial storm water regulations</p>
28	<p>SWMP lists BMPs used to fulfill this MCM. Examples may include:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> BMPs which address fleet vehicle maintenance/washing</li> <li><input type="checkbox"/> BMPs which address parking lot and street cleaning</li> </ul>
27	<ul style="list-style-type: none"> <li><input type="checkbox"/> Catch basin and storm drain system cleaning</li> <li><input checked="" type="checkbox"/> Landscaping and lawn care (e.g. xeriscaping)</li> <li><input type="checkbox"/> Waste materials management</li> <li><input type="checkbox"/> Road salt application and storage practices</li> <li><input type="checkbox"/> Used oil recycling</li> </ul>
25	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Pest management practices</li> <li><input type="checkbox"/> Fire training facilities</li> </ul>
26	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> BMPs which address roadway and bridge maintenance</li> <li><input type="checkbox"/> Golf course maintenance/waste disposal</li> <li><input type="checkbox"/> Disposal of cigarette butts</li> <li><input type="checkbox"/> Park maintenance (e.g., providing trash bags)</li> </ul>
yes	SWMP includes measurable goals, and the method of measurement, for addressing storm water quality.
yes	SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.
Page # (s) Not selected	<p><b>Optional 7th MCM: Municipal Construction Activities (only available within the regulated area where the MS4 operator meets the definition of construction site operator)</b></p> <p>If this MCM is utilized/applicable, SWMP must include the following information:</p>
	Description of how construction activities will generally be conducted so as to take into consideration local conditions of weather, soils, and other site specific considerations
	Description of the area that this MCM will address and where the MS4 operator's construction activities are covered (e.g. within the boundary of the urbanized area, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary)
	If the area included in this MCM includes areas outside of the UA, then all MCMs will be implemented over those additional areas as well.
	<p>Description provided for one of the following:</p> <ul style="list-style-type: none"> <li>▶ How contractor activities will be supervised or overseen to ensure that the SWP3 requirements are properly implemented at the construction site(s); or</li> <li>▶ How the MS4 operator will make certain that contractors have a separate authorization for storm water discharges if needed.</li> </ul>
	General description of how a construction SWP3 will be developed for each construction site.

# **Williamson County**

## **Storm Water Management Plan**

for coverage under

**Phase II (Small) Municipal Separate Storm Sewer Systems  
(MS4s) General Permit No. TXR040000**

**Williamson County  
710 Main Street, Suite 101  
Georgetown, Texas 78626**

**512-943-1550**

**Approved by Williamson County Commissioners Court  
on 1-15-2008  
for submission to TCEQ**

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**Williamson County**  
**Storm Water Management Program**  
**Phase II MS4 General Permit No. TXR040000**

Williamson County  
710 Main Street, Suite 101  
Georgetown, Texas 78626

512-943-1550  
1-15-2008

**OVERVIEW OF STORMWATER RULES**

Phase I of the U.S. Environmental Protection Agency's (EPA) municipal storm water program started in 1990 under the authority of the Federal Clean Water Act (CWA). Phase I relies on National Pollutant Discharge Elimination System (NPDES) permit coverage to address pollutants from storm water and dry weather discharges. Phase I permits are required for large and medium municipal separate storm sewer systems (MS4s), serving populations of 100,000 or greater.

The Storm Water Phase II Final Rule (promulgated December 8, 1999) was the next step in the EPA's efforts to protect the nation's water resources from polluted storm water runoff and dry weather discharges into storm drain systems. The Phase 2 program requires local governments to implement programs and practices to control water pollution, to the "maximum extent practicable" (MEP) in urbanized areas of small MS4's (population less than 100,000). The program requires Phase 2 local governments to obtain a permit that includes "minimum control measures" that must be implemented for coverage. The six minimum control measures include: public education, public involvement, illicit discharge elimination, construction sites, post construction pollution, and pollution prevention for municipal operations.

The Texas Commission on Environmental Quality (TCEQ) is now authorized by EPA to issue and enforce the Texas Pollutant Discharge Elimination System (TPDES) Phase 1 and 2 storm water permits, in lieu of Federal NPDES permits. Effective 8/13/2007 the TCEQ approved the TPDES General Permit (TXR04000) to authorize discharge from Phase 2 MS4's. Permittees must submit applications for coverage to TCEQ before 2/8/2008. The application must include a Notice of Intent (NOI) for coverage and a Storm Water Management Plan (SWMP). The NOI is a document that provides TCEQ with an official notification to seek permit coverage and identifies legally responsible parties for permit enforcement. The SWMP describes what actions are to be implemented by the permittee to address the required elements of a storm water program. The SWMP describes in detail which Best Management Practices (BMP's) will be implemented to meet permit requirements. The permit term covers 5 years (8/13/07 to 8/12/12). The permit will be renewed at 5 year intervals, which may require significant changes to the SWMP for future permit approvals.

## **REGULATORY MECHANISM RESTRICTIONS FOR COUNTIES**

Texas is somewhat unique in the U.S. regarding the restrictions it places upon counties. Basically, the Texas Constitution and State statutes do not grant Texas counties the ability to create or 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 and local law”. This statement is cited several times in Part III, SWMP development and implementation, of the general permit. Williamson County will address the various elements in the General Permit SWMP requirements to the extent allowable under current state and local law.

## **PERMIT APPLICABILITY AND COVERAGE**

This general permit provides authorization for storm water and certain non-storm water discharges from small municipal separate storm sewer systems (MS4) to surface water in the state. The general permit contains requirements applicable to all small MS4s that are eligible for coverage under this general permit.

### **A. Small MS4s Eligible for Authorization by General Permit**

#### **1. Small MS4s Located in an Urbanized Area**

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

#### **2. Designated Small MS4s**

A small MS4 that is outside an urbanized area that is ~~Adesignated@~~ by TCEQ based on evaluation criteria as required by 40 CFR ' 122.32(a)(2) or 40 CFR ' 122.26(a)(1)(v) and adopted by reference in Title 30, Texas Administrative Code (TAC), ' 281.25, is eligible for coverage under this general permit. Following designation, operators of small MS4s must obtain authorization under this general permit or apply for coverage under an individual TPDES storm water permit within 180 days of notification of their designation.

The portion of the small MS4 that is required to meet the conditions of this general permit are those portions that are located within the urbanized area, as well as any portion of the small MS4 that is designated.

### **B. Allowable Non-Storm Water Discharges**

The following non-storm water sources may be discharged from the small MS4 and are not required to be addressed in the small MS4's Illicit Discharge and Detection or other minimum control measures, unless they are determined by the permittee or the TCEQ to be significant contributors of pollutants to the small MS4:

1. water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
2. runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
3. discharges from potable water sources;
4. diverted stream flows;
5. rising ground waters and springs;
6. uncontaminated ground water infiltration;
7. uncontaminated pumped ground water;
8. foundation and footing drains;
9. air conditioning condensation;
10. water from crawl space pumps;
11. individual residential vehicle washing;
12. flows from wetlands and riparian habitats;
13. dechlorinated swimming pool discharges;
14. street wash water;
15. discharges or flows from fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
16. other allowable non-storm water discharges listed in 40 CFR 122.26(d)(2)(iv)(B)(1);
17. non-storm water discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) or the TPDES Construction General permit (CGP); and
18. other similar occasional incidental non-storm water discharges, unless the TCEQ develops permits or regulations addressing these discharges.

## **C. Limitations on Permit Coverage**

### **1. Discharges Authorized by Another TPDES Permit**

Discharges authorized by an individual or other general TPDES permit may be authorized under this TPDES general permit only if the following conditions are met:

- (a) the discharges meet the applicability and eligibility requirements for coverage under this general permit;
- (b) a previous application or permit for the discharges has not been denied, terminated, or revoked by the executive director as a result of enforcement or water quality related concerns. The executive director may provide a waiver to this provision based on new circumstances at the regulated small MS4; and
- (c) the executive director has not determined that continued coverage under an individual permit is required based on consideration of an approved total maximum daily loading (TMDL) model and implementation plan, anti-backsliding policy, history of substantive non-compliance or other 30 TAC Chapter 205 considerations and requirements, or other site-specific considerations.

### **2. Discharges of Storm Water Mixed with Non-Storm Water**

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

### **3. Compliance with Water Quality Standards**

Discharges to surface water in the state that would cause or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative general permit to authorize discharges to surface water in the state if the executive director determines that an activity will cause a violation of water quality standards or is found to cause or contribute to the impairment of a designated use of surface water in the state. The executive director may also require an application for an individual permit considering factors described in Part II.E.2.

### **4. Discharges to Water Quality-Impaired Receiving Waters**

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

303(d) list. Constituents of concern are those for which the water body is listed as impaired.

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

5. Discharges to the Edwards Aquifer Recharge Zone

Discharges of storm water from regulated small MS4s, and other non-storm water discharges, can not be authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer). New discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

For existing discharges, the requirements of the agency-approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in storm water runoff are in addition to the effluent limitation requirements found in Part VI.D. of this general permit. A copy of the agency-approved Water Pollution Abatement Plans that are required by the Edwards Aquifer Rule must either be attached as a part of the SWMP or referenced in the SWMP. See Appendix A for Edwards Permits which Williamson County currently holds.

For discharges located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties:

Contact:

Williamson, Travis, and Hays

TCEQ  
Water Program Manager  
Austin Regional Office  
1921 Cedar Bend Drive, Suite 150  
Austin, Texas 78758-5336  
(512) 339-2929

## **OVERVIEW OF WILLIAMSON COUNTY'S SWMP**

To the extent allowable under State and local law (see "Regulatory Mechanism Restrictions For Counties" preceding section), Williamson County's SWMP was developed and will be implemented according to requirements of Part III of the TPDES General Permit TXR040000, for discharges of storm water to surface water in the state. This SWMP was developed to prevent pollution from storm drainage systems to the maximum extent practicable, with control measures being phased in during the 5 year permit term. The SWMP addresses six minimum control measures (MCMs) as required by the General Permit. MCMs will be implemented in unincorporated urbanized areas of Williamson County. MCMs will be evaluated based upon the accomplishment of listed goals for BMPs selected for each MCM.

The TPDES Permit requirements apply only to the portions of unincorporated Williamson County that are identified as urbanized areas. There are approximately 20 non-contiguous urbanized areas in unincorporated Williamson County. These areas are identified based on data in the 2000 US Census map. The map may be viewed at [http://www.epa.gov/npdes/pubs/ua\\_tx\\_austin\\_rds.pdf](http://www.epa.gov/npdes/pubs/ua_tx_austin_rds.pdf)

Two maps are available: (1) Overview map, and (2) Detailed map with roads. These maps are linked to the TCEQ storm water permit website.

The Williamson County 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 by the permittee within the larger unincorporated area. One example is Public Education and Outreach, which will be available to county residents and visitors on a more regional basis, such as flyers in Commissioners offices and visitors' centers and the County website.

## **1.0 Public Education and Outreach**

The Public Education and Outreach minimum measure consists of Best Management Practices (BMPs) that focus on the development of educational materials designed to inform the public about the impacts that storm water discharges have on local water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The BMPs describe how individuals and households will be informed about the steps they can take to reduce storm water pollution; how individuals and groups will be informed on how to become involved in the storm water program; and the mechanisms that will be used to reach target audiences. The target audiences for the education program are specified in education-related BMPs described in the other minimum control measures. The target audiences were selected based on regulation requirements and based on the goal of educating the community about the impacts that storm water discharges have on local water bodies and the steps that the public can take to reduce pollutants in storm water runoff. The Public Education and Outreach program and BMPs, in combination, are expected to reach all of the constituents within the MS4's permitted boundary. The target pollutant sources are construction site runoff, impacts from new and re-development, illicit discharges and other pollutant sources as identified to be of local concern, i.e. approved TMDL parameters. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

### **Best Management Practices:**

**1. Flyers and Brochures:** Development of Flyers for the purpose of educating the public on storm water quality issues.

### **Implementation Tasks:**

1. Develop a list of subjects for inclusion and discussion in the flyers based on the consideration of the following subjects:- Citizen reporting under the illicit discharge and construction programs- Water quality impacts of storm water runoff to local water bodies- Steps the public can take to reduce storm water pollution (3/10/2009 12:00:00 AM)
2. Design and print flyers for each of the selected subjects. (3/10/2010 12:00:00 AM)
3. Develop a list of appropriate locations for flyer postings and acquire permission of location owners for posting, if necessary. (3/10/2010 12:00:00 AM)
4. Develop a flyer posting schedule that is consistent with the implementation schedule of other BMP's included in the SWMP. (3/10/2010 12:00:00 AM)
5. Post flyers at selected locations in accordance with the identified schedule. (3/10/2011 12:00:00 AM)
6. Maintain records of the number of flyers posted under this program. (3/10/2011 12:00:00 AM)
7. Annually report on the number of flyers posted under this program. (3/10/2009 12:00:00 AM)

### **Measurable Goals:**

Year 2: Develop a list of subjects for inclusion and discussion in storm water flyers and brochures.

Year 3: Design and print flyers and brochures covering the selected subjects.

Year 4: Distribute 250 flyers to the public.

Responsible Party:

Unified Road System

**2. Storm Water Website:** Design, publish and maintain a website that informs the public about the impacts of storm water pollution and related pollution prevention activities the public can take.

Implementation Tasks:

1. Develop a list of subjects for inclusion and discussion in the website based on consideration of the following subjects:- Citizen reporting under the illicit discharge and construction programs- Water quality impacts of storm water runoff to local water bodies- Steps the public can take to reduce storm water pollution- Public involvement programs (3/10/2009 12:00:00 AM)
2. Design and publish the website to the internet for public access. (3/10/2010 12:00:00 AM)
3. Develop a website maintenance schedule that is consistent with the implementation schedule of other BMP's included in this SWMP. (3/10/2010 12:00:00 AM)
4. Post new information to the website on an as-needed basis. (3/10/2011 12:00:00 AM)
5. Maintain records of website traffic using a hit counter or other acceptable method. (3/10/2010 12:00:00 AM)
6. Annually report on website traffic under this program. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Develop a list of subjects for inclusion and discussion in the storm water quality website.

Year 2: Design and publish the storm water quality website to the internet for public access.

Responsible Party:

Unified Road System

**3. Education of the public and construction site personnel:** Development and distribution of public education materials that focus on the impacts of construction site runoff and steps the public can take to report the occurrence of potential construction related storm water quality problems. Include information regarding the reporting of construction sites with potential storm water quality issues reported by the public.

Implementation Tasks:

1. Develop and distribute public education materials that focus on the following construction related items:- TCEQ storm water regulations- Methods for the public to report potentially out of

compliance construction activities- Impacts of uncontrolled construction site runoff to local water bodies and the MS4 (3/10/2010 12:00:00 AM)

2. Maintain records of the number and type of public education materials distributed. (3/10/2010 12:00:00 AM)

3. Annually report on the number and type of public education materials distributed. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 3: Distribute construction/new development public education material in accordance with identified schedule.

Year 3: Design and publish construction/new development public education material based on local research.

Year 3: Identify construction related subjects for inclusion in construction/new development public education materials that focus on local construction regulations, public reporting opportunities, and construction and new development storm water discharge impacts to local water bodies.

Responsible Party:

Unified Road System

**2.0 Public Involvement**

The Public Involvement/Participation minimum measure consists of Best Management Practices (BMPs) that focus on involving the local public in development and implementation of the SWMP. Compliance with State, Tribal, and local public notice requirements will facilitate involvement of the public in development, submittal (NOI and SWMP), and implementation of the public involvement/participation program. The BMPs describe the plan to actively involve the public in development and implementation of the SWMP and the types of public involvement activities included in the program. The target audiences for the public involvement program are all groups that may have an interest in the particular BMPs in addition to all ethnic and economic groups and the general public located within the permitted boundary. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

**Best Management Practices:**

**1. SWMP Committee:** Formation of a committee on SWMP program development and implementation

Implementation Tasks:

1. Develop a list of BMP's which are included in the SWMP that would benefit by including local committee review of the following types of items:- Public education materials- Local illicit discharge elimination regulations and investigation procedures.- Construction storm water regulations, guidance materials, permitting procedures, and inspection procedures- Post-

construction guidance and permitting information- Feedback on good housekeeping practices  
(3/10/2009 12:00:00 AM)

2. Invite members of the public, design, construction and development communities, MS4 personnel, and other persons affected by the various BMP's. (3/10/2009 12:00:00 AM)
3. Develop meeting schedules that correlate to required implementation dates for certain tasks. (3/10/2009 12:00:00 AM)
4. Conduct SWMP Committee meetings in accordance with the developed schedule. (3/10/2010 12:00:00 AM)
5. Record attendance and take minutes at each meeting. (3/10/2010 12:00:00 AM)
6. Maintain records of agenda, attendance, and minutes for each meeting. (3/10/2010 12:00:00 AM)
7. Annually report on the number of meetings and subjects presented. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Invite members of the public, design, construction and development communities, MS4 personnel, and other persons affected by the various BMPs to participate on the SWMP Committee.

Year 3: Conduct SWMP Committee meetings in accordance with the identified schedule.

Responsible Party:

Unified Road System

**2. Community Hotlines:** Develop and publicize a community hotline for the public to call and report storm water quality problems.

Implementation Tasks:

1. Identify phone number(s) and contact person(s) that should receive reports from the public on storm water quality issues. (3/10/2009 12:00:00 AM)
2. Develop a list of storm water quality problems that could be reported by the public through the community hotlines. (3/10/2009 12:00:00 AM)
3. Develop and distribute public education materials that detail the types of storm water quality issues that should be reported through the community hotlines. (3/10/2010 12:00:00 AM)
4. Maintain records of public reports and comments received under this program. (3/10/2009 12:00:00 AM)
5. Annually report on the number and type of public reports received through the community hotlines. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Develop a list of storm water quality problems that could be reported by the public through the community hotline program.

Year 2: Identify phone number(s) and contact person(s) that should receive reports on storm water quality issues through the community hotline program.

Year 3: Distribute community hotline public education material in accordance with identified schedule.

Responsible Party:

Unified Road System

### **3.0 Illicit Discharge Detection and Elimination**

The Illicit Discharge Detection and Elimination minimum measure consists of Best Management Practices (BMPs) that focus on the detection and elimination of illicit discharges into the MS4. A storm sewer system map showing the location of all outfalls and the names and location of all receiving waters will be developed from existing mapping information, e.g. MS4 CAD or GIS map bases or the US Census Bureau Tiger/Line 2000 maps. The BMPs describe map update procedures; the legal authority mechanism (to the extent allowable under State, Tribal or local law) which will be used to effectively prohibit illicit discharges; enforcement procedures and actions to ensure that the regulatory mechanism is implemented; the dry weather screening program and procedures for tracing and locating the source of an illicit discharge; procedures for locating priority areas; and procedures for removing the source of the illicit discharge. BMPs focusing on education and training of public employees, businesses, and the general public with regard to the hazards associated with illegal discharges and improper disposal of waste are described in the Public Education minimum measure. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

**Best Management Practices:**

**1. Maintain the MS4 map and Outfall Inventory:** Maintain an updated map of the MS4 indicating the location of storm water discharge outfalls.

Implementation Tasks:

1. Develop a map of the MS4 system including the location of the following:- MS4 receiving streams- Storm Water Outfalls- Permit Coverage Area (3/10/2009 12:00:00 AM)
2. Identify new outfalls and drainage structures during the review of development and construction plans. (3/10/2009 12:00:00 AM)
3. Develop a method for updating the MS4 map with new drainage structures and outfalls. (3/10/2009 12:00:00 AM)

4. Develop procedures for including new outfalls found in the field while conducting the MS4 outfall screening programs. (3/10/2009 12:00:00 AM)
5. Train MS4 screening personnel and plan review personnel on proper procedures for updating the MS4 map and outfall inventory. (3/10/2009 12:00:00 AM)
6. Annually report on the number of new outfall locations identified under this program. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Identify new outfalls and drainage structures during the review of development and construction plans.

Year 2: Conduct training programs for MS4 screening personnel and plan review personnel on proper procedures for updating the MS4 map and outfall inventory.

Year 2: Develop a training program for personnel that will be responsible for MS4 map maintenance.

Year 2: Develop procedures for including new outfalls found in the field while conducting the MS4 outfall screening programs.

Year 2: Develop a method for updating the MS4 map with new drainage structures and outfalls.

Year 2: Develop a map of the MS4 including MS4 receiving streams, storm water outfalls, permit coverage area, and any other information that may be required by the approved permit.

Responsible Party:

Unified Road System

**2. MS4 Outfall Screening:** Conduct systematic inspection of outfalls in the MS4 in order to identify the presence of illicit discharges.

Implementation Tasks:

1. Develop outfall screening forms and procedures for record keeping and data entry into MS4 outfall screening databases. (3/10/2009 12:00:00 AM)
2. Train personnel in field techniques necessary for the identification of illicit discharges. (3/10/2009 12:00:00 AM)
3. Develop a system to track locations of illicit discharges upon identification (MS4 Database). (3/10/2009 12:00:00 AM)
4. Develop a schedule that allows for the screening of the entire MS4 system within the permit term. (3/10/2009 12:00:00 AM)
5. Conduct outfall screening efforts according to the developed schedule. (3/10/2009 12:00:00 AM)
6. Develop internal tracking and record keeping procedures for outfall screening results.

(3/10/2009 12:00:00 AM)

7. Investigate outfall drainage systems that are identified as having non-storm water discharges from the MS4 and take actions to eliminate illicit discharges. (3/10/2010 12:00:00 AM)

8. Maintain records of outfall screening and investigations for each outfall and any elimination activities. (3/10/2009 12:00:00 AM)

9. Annually report on the number of outfalls screened, number of non-storm water discharges, number of illicit discharges, and elimination activities conducted under this program. (3/10/2010 12:00:00 AM)

Measurable Goals:

Year 2: Complete screening of 25% of the storm water outfalls that discharge to the MS4 in accordance with the identified schedule.

Year 2: Develop a systematic outfall screening schedule to ensure the screening of the entire MS4 system within the 5 year permit term

Year 3: Complete screening of 50% of the storm water outfalls that discharge to the MS4 in accordance with the identified schedule.

Year 3: Investigate outfall drainage systems that are identified as having non-storm water discharges from the MS4 and eliminate illicit discharges according to TCEQ storm water regulations.

Year 4: Complete screening of 75% of the storm water outfalls that discharge to the MS4 in accordance with the identified schedule.

Year 5: Complete screening of 100% of the storm water outfalls that discharge to the MS4 in accordance with the identified schedule.

Responsible Party:

Unified Road System

**3. Illicit Discharge Employee Training:** Educate permittee personnel on the identification of illicit discharges and procedures for reporting observations to outfall inspection personnel.

Implementation Tasks:

1. Develop a list of personnel to be educated on the identification and reporting of illicit discharges. (3/10/2009 12:00:00 AM)

2. Develop training materials, internal reporting forms, and reporting procedures including who will receive reports on illicit discharges. (3/10/2009 12:00:00 AM)

3. Develop a schedule for conducting training of identified personnel. (3/10/2009 12:00:00 AM)

4. Conduct training of personnel according to the schedule. (3/10/2009 12:00:00 AM)

5. Annually report on the personnel training program in terms of the number of training sessions conducted and employee attendance. (3/10/2009 12:00:00 AM)

6. Review the employee training program once per permit term in order to evaluate employee competence on the identification and reporting of illicit discharges (3/10/2010 12:00:00 AM)

Measurable Goals:

Year 2: Conduct training for identified personnel in accordance with the identified schedule.

Year 2: Develop a schedule for conducting training of identified personnel.

Year 2: Develop training materials, internal reporting forms, and reporting procedures including who will receive reports on illicit discharges.

Year 2: Develop a list of personnel to be educated on the identification and reporting of illicit discharges.

Year 3: Conduct training for any new personnel that may be involved with the identification and reporting of illicit discharges.

Year 4: Conduct training for any new personnel that may be involved with the identification and reporting of illicit discharges.

Responsible Party:

Unified Road System

**4. Illicit Discharge Hotline:** Develop an illicit discharge hotline for the public to report potential illicit discharge locations to the MS4.

Implementation Tasks:

1. Develop a list of locally occurring non-storm water discharges that may be observed by the public. (3/10/2009 12:00:00 AM)

2. Develop or identify a hotline phone number for the reporting of potential illicit discharges by the public. (3/10/2009 12:00:00 AM)

3. Conduct appropriate public education activities designed to inform the public of the hotline and types of potential discharges to report. (3/10/2010 12:00:00 AM)

4. Develop internal procedures for receiving hotline phone calls. (3/10/2009 12:00:00 AM)

5. Develop 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. (3/10/2009 12:00:00 AM)

6. Conduct investigations of reports made by the public if the reports are valid and are not currently under investigation. (3/10/2010 12:00:00 AM)

7. Annually report on the number of public reports received, investigated, and the number of illicit discharges eliminated as a result of public reports. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Develop 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.

Year 2: Develop internal procedures for receiving hotline phone calls.

Year 2: Develop an illicit discharge hotline public education material distribution schedule.

Year 2: Develop a list of locally occurring non-storm water discharges that may be observed by the public.

Year 2: Develop or identify a hotline phone number for the reporting of potential illicit discharges by the public.

Year 3: Conduct investigations of reports made by the public if the reports are valid and are not currently under investigation.

Year 3: Distribute illicit discharge public education material in accordance with the identified schedule.

Responsible Party:

Unified Road System

**4.0 Construction Site Runoff**

The Construction Site Runoff minimum measure consists of Best Management Practices (BMP's) that focus on the reduction of pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre will be considered if it is part of a larger common plan of development or sale that would disturb one acre or more. The BMPs describe the legal authority mechanism (to the extent allowable under State, Tribal or local law) which will be used to require erosion and sediment controls; enforcement procedures and actions to ensure compliance; requirements for construction site operators to implement appropriate erosion and sediment control BMPs; requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site; procedures for site plan review which incorporate the consideration of potential water quality impacts; procedures for receipt and consideration of information submitted by the public; and procedures for site inspection and enforcement of control measures. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

## **Best Management Practices:**

**1. Construction Inspection Procedures:** Develop inspection procedures and educate the local construction community on TCEQ storm water regulations related to construction activities

### Implementation Tasks:

1. Develop a list of items to incorporate in the inspection of local construction sites based on the TCEQ storm water regulations and including the following categories:- Use of temporary erosion controls- Control of other construction related wastes- Operational and general prohibitions- Site closure and stabilization requirements- On-site documentation and records (5/10/2008 12:00:00 AM)

### Measurable Goals:

Year 1: Develop draft inspection forms and procedures necessary to inspect local construction sites in order to ensure compliance with TCEQ construction storm water regulations.

Year 1: Develop a list of items to incorporate in the inspection of local construction sites based on TCEQ construction storm water regulations.

### Responsible Party:

Unified Road System

**2. Construction Plans Review:** Implement a construction plans review process that focuses on compliance with TCEQ construction storm water regulations.

### Implementation Tasks:

1. Develop a process to obtain construction plans for subdivisions for review to determine compliance with TCEQ construction storm water regulations. (5/1/2008 12:00:00 AM)

2. Develop internal tracking and plan review procedures to cover the following issues:- Conformance to TCEQ storm water regulations- Appropriate use of temporary erosion controls- Inclusion of any required local, state, and/or federal storm water permit documents (3/10/2010 12:00:00 AM)

3. Educate the local construction community (contractors, developers, engineers, architects) on the subdivision construction plans review process. (3/10/2010 12:00:00 AM)

4. Implement the subdivision construction plans review procedures and sign plans when approved (3/10/2010 12:00:00 AM)

6. Maintain records of plans reviewed and approved for construction under this program. (3/10/2011 12:00:00 AM)

7. Annually report on the number of plans reviewed, approved and rejected under the plans review program. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Develop a process to obtain subdivision construction plans for review to determine compliance with TCEQ construction storm water regulations.

Year 2: Educate the local construction community on the subdivision construction plans review process.

Year 3: Implement the subdivision construction plans review procedures for local construction sites.

Responsible Party:

Unified Road System

**3. Construction Site Inspection:** Conduct inspections of subdivision construction sites that discharge storm water to the MS4 to determine compliance with TCEQ construction storm water regulations.

Implementation Tasks:

1. Develop internal procedures for tracking new and on-going subdivision construction activities. (3/10/2008 12:00:00 AM)

2. Train permittee inspection personnel on TCEQ construction storm water regulations and inspection procedures. (3/10/2009 12:00:00 AM)

3. Inspect subdivision construction sites using appropriate inspection procedures and forms to ensure compliance with storm water regulations. (3/10/2009 12:00:00 AM)

4. Conduct drive-thru inspections of subdivisions for one year after letter of completion is issued for roads and drainage improvements to evaluate individual homebuilder compliance with TCEQ construction storm water regulations. (3/10/2011 12:00:00 AM)

5. Maintain records of construction site inspections, letters of non-compliance, and corrective actions performed by local construction site owners and operators. (3/10/2011 12:00:00 AM)

6. Annually report on the total number of construction sites permitted, the number of construction sites inspected, and the number of letters of non-compliance issued. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Inspect qualifying construction sites using appropriate inspection procedures and forms to ensure compliance with TCEQ storm water regulations.

Year 2: Train permittee inspection personnel on TCEQ construction storm water regulations and inspection procedures.

Year 4: Conduct voluntary on-site meeting with owners and operators of local construction sites that are not in compliance with TCEQ construction storm water regulations. Issue letters of non-compliance to owners and operators of local construction sites that do not voluntarily comply with TCEQ construction storm water regulations.

Responsible Party:

Unified Road System

**4. Permittee Owned Construction Sites:** Comply with local, state, and federal construction storm water regulations that apply to permittee owned and operated construction sites.

Implementation Tasks:

1. Review permittee construction project planning and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations and Edwards Aquifer Rules. (3/10/2009 12:00:00 AM)
2. Prepare and distribute construction design and permitting guidelines to the local construction community (contractors, developers, engineers, architects) and involved permittee personnel. (3/10/2009 12:00:00 AM)
3. Develop documents (Notice Of Intent (NOI), Storm Water Pollution Prevention Plans (SWP3's), inspection forms) required for obtaining state and/or federal construction storm water permits applicable to permittee owned and operated construction sites. Insure compliance with Edwards Aquifer Rules including approved WPAP's when required. (3/10/2009 12:00:00 AM)
4. Submit required documents in order to obtain permit coverage for permittee owned and operated projects and comply with applicable state and/or federal construction storm water permit provisions and Edwards Aquifer Rules. (3/10/2009 12:00:00 AM)
5. Maintain compliance records for permittee owned and operated construction sites requiring state and/or federal construction storm water permits and Edwards Aquifer WPAP's . (3/10/2009 12:00:00 AM)
6. Annually report on the number of permittee owned and operated construction projects permitted under state and/or federal construction storm water regulations and/or the Edwards Aquifer Rules. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Submit required documents in order to obtain permit coverage for permittee owned and operated projects to maintain compliance with applicable state and/or federal construction storm water permit provisions and Edwards Aquifer Rules when applicable.

Year 1: Develop documents required for obtaining state and/or federal construction storm water permits applicable to permittee owned and operated construction sites.

Year 2: Distribute construction design and permitting guidelines to the local construction community and involved permittee personnel.

Year 2: Review permittee owned construction project, planning, and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations and Edwards Aquifer Rules

Responsible Party:

Unified Road System

**5. Construction Related Public Reporting:** Provide the public with a mechanism to report and receive feedback on construction related storm water problems.

Implementation Tasks:

1. Develop educational materials instructing the public in procedures for reporting to the permittee construction sites with potential storm water quality problems (3/10/2009 12:00:00 AM)
2. Ensure that the materials developed address the following items:- Contact methods for reporting public observations- Information required for a complete public report on a potential construction related storm water quality problem (3/10/2009 12:00:00 AM)
3. Develop an internal tracking system to keep track of information reported by the public. (3/10/2009 12:00:00 AM)
4. Review public reports to determine if a site investigation is required to ensure compliance with TCEQ construction storm water regulations. (3/10/2011 12:00:00 AM)
5. Conduct on-site investigations of those sites reported by the public which warrant investigation according to the best judgment of the permittee personnel. (3/10/2011 12:00:00 AM)
6. Annually report on the quantity of public reports received and considered under this program. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Develop construction related public reporting educational material instructing the public in procedures for reporting to the permittee construction sites with potential storm water quality problems or construction storm water regulation violations.

Year 2: Distribute construction related public reporting educational material in accordance with the identified schedule.

Year 2: Develop an internal tracking system to keep track of information reported by the public.

Year 3: Conduct on-site investigations of those sites reported by the public which warrant investigation according to the best judgment of the permittee personnel.

Responsible Party:

Unified Road System

**5.0 Post-Construction Site Runoff**

The Post-Construction Storm Water Management minimum measure consists of Best Management Practices (BMP's) that focus of the prevention or minimization of water quality impacts from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that discharge into the small MS4. The BMPs describe structural and/or non-structural practices; the legal authority mechanism (to the extent allowable under State,

Tribal or local law) which will be used to address post-construction runoff from new development and redevelopment projects; and procedures to ensure long term operation and maintenance of BMPs. BMPs focusing on education programs for developers and the general public with regard to project designs that minimize water quality impacts are described in the Public Education minimum measure. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

**Best Management Practices:**

**1. New Development and Re-development Plans Review:** Systematically review subdivision development and re-development plans to ensure compliance with TCEQ post-construction runoff regulations

Implementation Tasks:

1. Develop a process to obtain subdivision development construction plans for review to determine compliance with TCEQ post-construction runoff regulations. (3/10/2009 12:00:00 AM)
2. Develop internal tracking and plan review procedures (3/10/2009 12:00:00 AM)
3. Educate the local development community on the local development plans review process. (3/10/2009 12:00:00 AM)
4. Implement the subdivision development plans review process. (3/10/2009 12:00:00 AM)
5. Notify developers when revisions are made in the plan review process. (3/10/2011 12:00:00 AM)
6. Maintain records of subdivision development plans reviewed and actions taken under this program. (3/10/2008 12:00:00 AM)
7. Annually report on the number of plans reviewed, approved, and rejected under this program. (3/10/2008 12:00:00 AM)

Measurable Goals:

Year 2: Develop internal tracking and plan review procedures to ensure compliance with TCEQ post construction runoff regulations.

Year 2: Develop a process to obtain development construction plans for review to determine compliance with TCEQ post-construction runoff regulations.

Year 2: Educate the local development community on the local development plans review process.

Year 2: Implement the subdivision development plans review process.

Responsible Party:

Unified Road System

**2. Development Project Inspection Procedures:** Develop inspection forms and procedures for new development and re-development project inspections based on TCEQ post-construction runoff regulations.

Implementation Tasks:

1. Develop a list of items to incorporate in the inspection of subdivision development and re-development project sites based on TCEQ post-construction runoff control regulations including consideration of the following:- Construction of controls according to approved development plans and specifications- Adherence to any legal commitment to operate or maintain permanent storm water quality structures- Conformance to open space and landscaping requirements- Conformance to any low impact development standards (3/10/2009 12:00:00 AM)
2. Develop draft inspection forms and procedures necessary to inspect local new and re-development projects in order to ensure compliance with TCEQ post-construction runoff regulations and approved plans. (3/10/2010 12:00:00 AM)

Measurable Goals:

Year 1: Develop inspection forms and procedures necessary to inspect new and re-development projects in order to ensure compliance with TCEQ post-construction runoff regulations and approved plans.

Responsible Party:

Unified Road System

**3. New Development and Re-development Project Inspection:** Inspect local new development and re-development projects to ensure conformance to approved plans and TCEQ post-construction runoff regulations.

Implementation Tasks:

1. Develop internal tracking procedures for tracking subdivision development projects that are under construction and that have been completed. (3/10/2009 12:00:00 AM)
2. Train inspection personnel on TCEQ post-construction runoff regulations and final inspection procedures. (3/10/2010 12:00:00 AM)
3. Inspect qualifying development project sites using adopted inspection forms and procedures to ensure conformance with approved plans for post-construction runoff controls. (3/10/2011 12:00:00 AM)
4. Issue letter of non-compliance to owners or operators of local development projects that are not in compliance with TCEQ post-construction runoff regulations and who do not voluntarily correct the non-compliance. (3/10/2011 12:00:00 AM)
5. Maintain records of development project site inspections, letters of non-compliance, and corrective actions performed by local development project owners. (3/10/2011 12:00:00 AM)
6. Annually report on the number of development project sites inspected, and the number of

letters of non-compliance issued. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Develop a list of subdivision development projects that qualify for inspection under TCEQ post-construction runoff regulations.

Year 3: Issue letters of non-compliance 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.

Year 3: Inspect qualifying development project sites using adopted inspection forms and procedures to ensure conformance with TCEQ post-construction runoff regulations.

Year 3: Train inspection personnel on TCEQ post-construction runoff regulations and final inspection procedures.

Responsible Party:

Unified Road System

**4. Permittee Owned New Development and Re-development Projects:** Comply with TCEQ post-construction runoff regulations and plan review requirements on permittee owned and operated new development and re-development projects.

Implementation Tasks:

1. Review permittee construction project planning and design criteria to determine changes needed to comply with local, state, and/or federal construction storm water regulations. Modify project planning and design criteria as necessary to comply with local, state, and/or federal construction storm water regulations. (3/10/2009 12:00:00 AM)

2. Conduct the development plan review process for all permittee owned new development and re-development projects. This excludes normal road maintenance. (3/10/2010 12:00:00 AM)

3. Maintain records of permittee owned development projects approved, inspected, and records of structural control maintenance if applicable. (3/10/2009 12:00:00 AM)

4. Report annually on the number of permittee owned projects approved, constructed, and inspected. (3/10/2010 12:00:00 AM)

Measurable Goals:

Year 3: Conduct the development plan review process for all permittee owned new development and re-development projects excluding normal road maintenance.

Year 3: Distribute new project planning and design criteria changed to comply with local, state, and/or federal construction storm water regulations to the local design and engineering community when modified.

Responsible Party:

Unified Road System

**5. Participation in Local Watershed Planning and Modeling:** Participate in local watershed planning meetings in order to stay informed of local surface water quality issues, Total Maximum Daily Loads (TMDL) initiatives, and pollutants of concern for impaired or sensitive water bodies.

Implementation Tasks:

1. Identify local watershed planning and monitoring organizations. (3/10/2009 12:00:00 AM)
2. Participate in watershed planning and surface water monitoring data presentation meetings. (3/10/2010 12:00:00 AM)
3. Develop a list of sensitive and impaired water bodies as identified by the local watershed planning and monitoring agencies or state and federal monitoring agencies. (3/10/2010 12:00:00 AM)
4. Maintain records of any TMDL requirements and pollutants of concern for any local MS4 receiving streams that are considered sensitive or impaired. (3/10/2010 12:00:00 AM)
5. Review TMDL requirements or load allocations to determine if additional Best Management Practices (BMP's) or changes in existing practices are required to meet TMDL load allocations or to protect sensitive or impaired water bodies located within the MS4 jurisdiction. (3/10/2010 12:00:00 AM)
6. Develop and make presentations of MS4 BMP's and/or future plans in order to assist in local watershed protection or to meet TMDL load allocations. (3/10/2011 12:00:00 AM)
7. Annually report on the number of watershed planning meetings attended and any associated changes in the MS4's BMP's. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Identify local watershed planning and monitoring organizations.

Year 2: Maintain records of any TMDL requirements and pollutants of concern for any local MS4 receiving streams that are considered sensitive or impaired.

Year 2: Develop a list of sensitive and impaired water bodies as identified by the local watershed planning and monitoring agencies or state and federal monitoring agencies.

Year 2: Participate in watershed planning and surface water monitoring data presentation meetings.

Year 3: Develop and make presentations of MS4 BMPs and/or future plans in order to assist in local watershed protection or to meet TMDL load allocations.

Year 3: Review TMDL requirements or load allocations to determine if additional Best Management Practices (BMPs) or changes in existing practices are required to meet TMDL load allocations or to protect sensitive or impaired water bodies located within the MS4 jurisdiction.

Responsible Party:

Unified Road System

## **6.0 Good Housekeeping / Pollution Prevention**

The Pollution Prevention / Good Housekeeping minimum measure consists of Best Management Practices (BMP's) that focus on training and on the prevention or reduction of pollutant runoff from municipal operations. The BMPs describe the use of available training materials available from the EPA, your State, Tribe or other organizations; specific municipal operations that are impacted by the proposed operation and maintenance programs (BMPs); a list of municipally-owned industrial facilities which require other storm water discharge permits; maintenance activities, schedules and long term inspection procedures for controls to reduce floatables and other pollutants; controls for reducing or eliminating the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations fleet or maintenance shops with outdoor storage areas, and salt/sand storage locations and snow disposal areas; procedures for the proper disposal of waste removed from the MS4 and municipal operations, including dredge spoil, accumulated sediments, floatables and other debris; and procedures to ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. The responsibility for implementation of this minimum measure is described with each BMP procedure.

### **Best Management Practices:**

**1. Pesticide and Herbicide Application:** Train pesticide and herbicide application employees on the proper use of pesticide and herbicide products.

#### Implementation Tasks:

1. Develop an inventory of areas designated for herbicide and pesticide application including the following:- Area of application- Type of pesticide or herbicide applied- Purpose of application (3/10/2009 12:00:00 AM)
2. Develop a preliminary pesticide and herbicide application schedule. (3/10/2009 12:00:00 AM)
3. Comply with local, state, and federal regulations associated with pesticide and herbicide application, e.g. licensing regulations. (3/10/2008 12:00:00 AM)
4. Track the volume and type of pesticide or herbicide applied at each location. (3/10/2008 12:00:00 AM)
5. Assess each location for opportunities to implement alternative practices and to retrofit structures in order for non-pesticide methods of maintenance to become effective. (3/10/2009 12:00:00 AM)
6. Develop a prioritized list of areas where retrofits and alternative pest control practices would reduce overall pesticide and herbicide application volumes. (3/10/2010 12:00:00 AM)
7. Annually report on the total volume of pesticide and herbicide applied and the progress of any projects that results in a reduction of pesticide and herbicide application volumes. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 1: Comply with local, state, and federal regulations associated with pesticide and herbicide application.

Year 2: Assess each location for opportunities to implement alternative practices and to retrofit structures in order for non-pesticide methods of maintenance to become effective.

Year 3: Develop a prioritized list of areas where retrofits and alternative pest control practices would reduce overall pesticide and herbicide application volumes.

Responsible Party:

Unified Road System

**2. Maintenance of Roadways:** Assess roadway maintenance activities and modify procedures to reduce storm water quality impacts.

Implementation Tasks:

1. Assess current roadway maintenance activities to determine if modification to current practices would benefit storm water quality. (3/10/2009 12:00:00 AM)

2. Identify alternative practices that would reduce the discharge of road-materials during construction or maintenance activities. (3/10/2010 12:00:00 AM)

3. Revise roadway maintenance policy according to identified alternative practices. (3/10/2011 12:00:00 AM)

4. Maintain records of road maintenance activities and the use of alternative maintenance practices. (3/10/2011 12:00:00 AM)

5. Annually report on road maintenance activities and the use of alternative maintenance practices. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Assess current roadway maintenance activities to determine if modification to current practices would benefit storm water quality.

Year 3: Evaluate roadway maintenance program and revise roadway maintenance policy according to identified alternative practices.

Year 3: Identify alternative practices that would reduce the discharge of road-materials during construction or maintenance activities.

Responsible Party:

Unified Road System

**3. Culvert/Inlet Cleaning:** Reduce sediment and floatable materials discharges by routinely cleaning MS4 culvert and storm water inlet structures.

Implementation Tasks:

1. Identify areas where culvert inlets, surface inlets, and/or storm sewer manholes should be periodically cleaned to reduce discharge of floatable materials, sediment, and other materials. (3/10/2010 12:00:00 AM)
2. Develop a preliminary schedule for cleaning inlet structures and culvert inlets. (3/10/2010 12:00:00 AM)
3. Implement the inlet cleaning program according to the developed schedule. (3/10/2010 12:00:00 AM)
4. Maintain records of the quantity of materials removed from culvert inlets and surface inlet structures. (3/10/2010 12:00:00 AM)
5. Evaluate the culvert and inlet cleaning schedule on an annual basis. (6/10/2011 12:00:00 AM)
6. Annually report on the number of culvert inlets, surface inlets, and other MS4 structures cleaned as well as the quantity of materials removed during cleaning activities. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 3: Implement the culvert cleaning program according to the developed schedule.

Year 3: Identify areas where catch basins, surface inlets, and/or storm sewer manholes should be periodically cleaned to reduce discharge of floatable materials, sediment, and other materials.

Responsible Party:

Unified Road System

**4. Landscaping and Lawn Care:** Reduce the discharge of landscaping and lawn care waste from permittee owned facilities through better mowing and landscaping maintenance practices.

Implementation Tasks:

1. Develop an inventory of landscaping and lawn care areas that are owned by the permittee. (3/10/2009 12:00:00 AM)
2. Evaluate current landscaping and lawn care activities in order to identify opportunities to reduce the discharge of the following:- Fertilizers- Leaf litter and tree trimmings- Litter and floatable materials- Equipment fluids (3/10/2010 12:00:00 AM)
3. Ensure that proper litter collection is scheduled prior to any mowing activities. (3/10/2010 12:00:00 AM)
4. Use all herbicides, pesticides, and fertilizers in accordance with manufacturers' instructions for application rates and quantities. (3/10/2010 12:00:00 AM)

5. Evaluate methods for containing and/or composting trimmings and grass clippings. (3/10/2010 12:00:00 AM)

6. Report annually on the activities conducted under this program. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Develop an inventory of all permittee owned landscaping and lawn care areas.

Year 3: Use all herbicides, pesticides, and fertilizers in accordance with manufacturers' instructions for application rates and quantities.

Responsible Party:

Building Maintenance

**5. Vehicle Maintenance:** Maintain permittee owned vehicles according to manufacturer's specifications and identify and eliminate vehicle fluid leaks.

Implementation Tasks:

1. Develop and maintain an inventory of permittee owned vehicles. (3/10/2008 12:00:00 AM)

2. Conduct routine maintenance on all vehicles according to manufacturer's specifications. (3/10/2008 12:00:00 AM)

3. During routine maintenance of permittee owned vehicles, inspect vehicles for the presence of fluid leaks. (3/10/2008 12:00:00 AM)

4. Schedule repairs for vehicles determined to have fluid leaks. (3/10/2010 12:00:00 AM)

5. Maintain vehicle maintenance records and document fluid leak repair activities. (3/10/2010 12:00:00 AM)

6. Require permittee vehicle operators to conduct daily inspections of vehicles to check for fluid leaks. (3/10/2008 12:00:00 AM)

7. Review vehicle inspection and maintenance records on an annual basis to evaluate conformance to vehicle manufacturer service specifications. (3/10/2008 12:00:00 AM)

8. Annually report on the number of leaking vehicles repaired under this program. (3/10/2008 12:00:00 AM)

Measurable Goals:

Year 1: Require permittee vehicle operators to conduct daily inspections of vehicles to check for fluid leaks.

Year 1: Develop and maintain an inventory of permittee owned vehicles.

Year 2: Review vehicle inspection and maintenance records to evaluate conformance to vehicle manufacturer service specifications.

Year 3: Schedule repairs for vehicles determined to have fluid leaks.

Year 3: Conduct routine inspection on all vehicles according to manufacturers' specifications, also inspecting vehicle for the presence of fluid leaks.

Responsible Party:

Fleet Services

**6. Spill Prevention Plans:** Comply with federal spill prevention control and counter measures plan regulations, and review spill response procedures to ensure storm water quality protection measures are considered during spill response.

Implementation Tasks:

1. Evaluate each permittee owned facility and determine if Spill Prevention Control and Countermeasures Plans (SPCC) are required. (3/10/2009 12:00:00 AM)
2. Develop and/or maintain SPCC plans for permittee owned facilities that require plans. (3/10/2010 12:00:00 AM)
3. Comply with SPCC plan requirements at qualifying permittee owned facilities, including consideration of the following:- Conduct employee training- Maintain spill prevention equipment- Maintain SPCC records- Update and re-certify the SPCC plan according to SPCC regulations (3/10/2010 12:00:00 AM)
4. Annually report on the number of facilities with SPCC plans and the current status of each SPCC plan. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Evaluate identified facilities and determine if SPCC Plans are required.

Year 2: Develop an inventory of permittee owned facilities that may be required to have Spill Prevention Control and Countermeasures Plans (SPCC Plans).

Year 3: Comply with SPCC plan requirements at qualifying permittee owned facilities.

Year 3: Develop and/or maintain SPCC Plans for permittee owned facilities that require plans.

Responsible Party:

Unified Road System

**7. Illegal Dumping:** Identify and investigate illegal dumping locations owned by the permittee in order to determine the source of materials and initiate legal actions against dumpers.

Implementation Tasks:

1. Develop a list of illegal dumping locations based on reports from citizens and road crews

(3/10/2009 12:00:00 AM)

2. Develop a schedule for removing illegally dumped materials from permittee owned properties. (5/1/2009 12:00:00 AM)

3. Conduct investigations of illegally dumped material in order to attempt to identify the sources of the materials. (5/1/2009 12:00:00 AM)

4. Post signs at illegal dumping locations that indicate the prohibitions associated with illegal dumping. (3/10/2010 12:00:00 AM)

5. Use existing local legal authority or other means to assess enforcement actions against identified illegal dumpers. (3/10/2010 12:00:00 AM)

6. Annually report on the number of illegal dumping locations identified, volume of materials removed, and the number of associated enforcement actions. (3/10/2009 12:00:00 AM)

Measurable Goals:

Year 2: Conduct investigations of illegally dumped material in order to attempt to identify the sources of the materials.

Year 2: Develop a list of illegal dumping locations identified.

Year 3: Use existing local legal authority or other means to assess enforcement actions against identified illegal dumpers.

Year 3: Post signs at illegal dumping locations that indicate the prohibitions associated with illegal dumping.

Responsible Party:

Unified Road System

**8. Disposal of Waste removed from Storm Sewer Facilities:** Evaluate disposal methods for waste removed from storm sewer facilities and develop a program to assure that the wastes are properly disposed of.

Implementation Tasks:

1. Evaluate methods used to dispose of waste from storm sewer facilities (6/10/2009 12:00:00 AM)

2. Develop guidelines for proper disposal of waste removed from storm sewer facilities (6/10/2010 12:00:00 AM)

3. Review disposal methods to assure compliance with guidelines (6/10/2011 12:00:00 AM)

Measurable Goals:

Year 1: Annually report the amount of waste removed from storm sewers and culverts.

Responsible Party:

Unified Road System

**9. Maintenance of Permittee owned Structural Controls:** Locate and identify permittee owned structural controls within the urbanized areas and develop a program for their maintenance.

Implementation Tasks:

1. Locate and identify any permittee owned structural controls in urbanized areas during mapping of outfalls (6/10/2009)
2. Develop a plan for maintenance of structural controls in urbanized areas if any are found (6/10/2010 12:00:00 AM)
3. Implement maintenance plan for structural controls (6/10/2011 12:00:00 AM)

Measurable Goals:

Year 2: Annually report on the total number of permittee owned structural controls and the number that received maintenance.

Responsible Party:

Unified Road System

APPENDIX A

WILLIAMSON COUNTY EDWARDS AQUIFER PERMITS  
(updated 12/19/07 Central Records Query)

Registration Number	Description
RN 102135183	Anderson Mill Rd Ph II
RN 103957643	Bagdad Heritage Trail
RN 104334941	Berry Springs County Park & Preserve
RN 101714830	Brushy Creek Regional Trail
RN 105117907	Champion Park
RN 105095749	County Road 111
RN 102723970	County Road 175
RN 104949748	County Road 179
RN 104283916	County Road 200
RN 103171328	County Road 214
RN 103171278	County Road 258
RN 104283866	County Roads (existing)
RN 103993507	CR 175 176 & 177 Realignment
RN 102133055	County Road 143
RN 104798707	County Road 239 Realignment
RN 102733565	D B Wood Rd
RN 102841764	Georgetown Inner Loop East - 29 to 971
RN 102766359	Georgetown Inner Loop Ph II - DB Wood Rd S, S fork San Gabriel to Cedar Breaks
RN 102137221	Georgetown Inner Loop Ph II & III - 1460 to
RN 102882693	Inner Loop Ph I - D B Wood Rd
RN 104175781	Inner Loop - CR 151 to Lakeway
RN 102837408	Hairy Man Trail & Secondary Trail Head
RN 102140811	Jarrell Memorial Park
RN 105272579	Kauffman Loop
RN 102135290	Lake Creek Channel Improvements
RN 102141561	Lake Creek Stormwater Project
RN 105067623	Lake Creek Trail Improvements
RN 102138383	Lake Creek Tributary 2 Drainage Improvements
RN 104509120	Lakeline Blvd Extension
RN 104061197	McNeil Road Improvements
RN 102733201	Northridge Subdivision Drainage Improvements
RN 102733086	Parmer Lane Extension - 1431 to 2243
RN 104479597	Parmer Lane Extension Ph 2 - 2243 to 29
RN 104175823	Parmer Lane Extension Ph 3 - 29 to 3405
RN 104557533	Parmer Lane Extension Ph 4 - 3405 to 2338
RN 102141199	Cr 174 & Bootys Crossing
RN 104995683	San Gabriel Parkway
RN 102730918	Twin Lakes Park
RN 105079446	US 183 Intersection & Brushy Creek
RN 102701059	Williamson County Regional Park Ph I

RN	102883295	Williamson County Annex - Round Rock
RN	102762887	Williamson County Appraisal District Parking Lot
RN	102767076	Williamson County Criminal Justice Facility
RN	104162573	Williamson County Inner Loop Annex
RN	102763307	Williamson County Jail & Courthouse
RN	102772456	Williamson County Juvenile Center
RN	102767563	Williamson County Lake Creek Tributary Supplement
RN	102768413	Williamson County Park Entrance on 183
RN	102132388	Pct 1 Bridge Project - Brushy Creek at 174
RN	102883279	Pct 2 Sidewalk - El Salido & Lake Creek Parkway
RN	104883095	Williamson County Regional Animal Shelter
RN	104996640	Williamson County Regional Animal Shelter offsite WWL
RN	104584131	Williamson County Regional Park Ph II
RN	104381355	CR 276 Ph I
RN	102135894	Williamson County Tributary of Lake Creek Improvements
RN	104516794	Wyoming Springs Sidewalk Construction