

# Appendix C

BMPS, Measurable Goals, and Implementation Schedule

## MCM 1 Public Education, Outreach and Involvement

Public Education and Outreach				
Residents				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.1 Utility Bill Insert	Continue implementation of existing program distributing educational material to residents via utility bill inserts. The inserts will include stormwater education information specifically relating to high priority community-wide issues.	<b>Engineering</b> Communications & Marketing	* Develop an outline of the information for the high priority community-wide issues to be communicated over a 5 year period.  * Distribute educational flyer as a utility bill.	Year 1 (by December, 2015)
			* Distribute educational flyer as a utility bill insert one time per year.	Year 2 – 5 (by December, 2016-2018, respectively)
BMP 1.2 <i>Texas SmartScape™</i> Information	Continue implementation of existing program promoting Texas SmartScape™ informational materials and Website developed by NCTCOG.	<b>Engineering</b> <b>Environmental Education</b> Communications & Marketing	* Participate in and support existing <i>Texas SmartScape™</i> program.  * Distribute information a minimum of one time per year.  * Continue to provide a link from McKinney's stormwater website to the <i>Texas SmartScape™</i> website.	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Residents</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.3 StormWater Web Site	Continue implementation of existing stormwater web site for the city. The web site will include stormwater education per the TCEQ general permit guidelines. The web site will also provide specific information regarding the City's TPDES Phase II program, educational and participatory opportunities, and links to other local, state, and national stormwater web sites.	<b>Engineering</b> Communications & Marketing	<ul style="list-style-type: none"> <li>* Continue to revise/update website as needed.</li> <li>* Continue to collect feedback regarding McKinney's stormwater program solicited via the web site.</li> </ul>	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Residents</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.4 Classroom Education	Continue to provide education opportunities and curriculum materials to school aged children. Materials and curriculum will be assessed and selected from existing, readily available programs, and through discussions with public and private school staff.	Engineering <b>Environmental Education</b>	* Continue to offer programs, educational opportunities and resources on available stormwater educational material to public and private school staff.  * Track the number of requests and presentations.	Year 1 - 5
BMP 1.5 StormWater Book Covers	Continue to provide stormwater book covers to MISD for distribution.	<b>Engineering</b>	Each year, develop, create, and provide stormwater book covers to MISD for their distribution. Each year, provide enough covers to supply all MISD school children with a book cover, or provide a quantity requested by MISD.	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

Public Education and Outreach				
Residents				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.6 "Stencil Town" Storm Drain Markers	Continue to place storm drain markers on local storm drains in an effort to increase awareness and to prevent dumping into the storm drain system.	Engineering <b>Water Utilities and Infrastructure</b> GIS	* Assess the number of storm drain inlets not currently marked.  * Determine the number of inlets that would need to be marked in order to attain a goal of having 25% of all of the City's inlets marked, excluding inlets on arterial roads and highways.	Year 1
			Continue implementation of the City's plan for installing storm drain markers, achieving the 25% marked goal by the end of the 5th year.	Year 1 - 5
			Require marking of new inlets by developers and contractors upon completion of projects whose plans were submitted and reviewed after September 2008.	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

Public Education and Outreach				
Residents				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.7 "Public Reference"	Provide educational material for reference. Materials to be provided will include copies of educational materials used for other educational BMPs, information regarding McKinney's stormwater program, and other miscellaneous stormwater educational material as deemed appropriate.	<b>Engineering Environmental Education</b>	<ul style="list-style-type: none"> <li>* Provide copies of educational materials through the StormWater Web Site (BMP 1.3) and at the City's public facilities, ex. public library, recreation centers, performing arts center and Environmental Education Office.</li> <li>* A description of the materials made available online and at City's public facilities will be included in the Annual Report.</li> </ul>	Year 1 - 5
BMP 1.8 StormWater Video	Continue to develop or acquire stormwater videos for display on McKinney's Public Access Channel.	<b>Engineering Communications &amp; Marketing</b>	<ul style="list-style-type: none"> <li>* Air a minimum of three stormwater educational videos, developed or acquired by the City, on the City's public access channel.</li> <li>* Provide copies of videos through the StormWater Web Site (BMP 1.3) and make available to public and private schools for use in classroom education.</li> </ul>	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

Public Education and Outreach				
Residents				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.9 Bacteria Specific Outreach	Develop a program to distribute bacteria-specific public education materials. The information will include stormwater education information specifically relating to issues listed in Part II.D.4.(a)(5).	<b>Engineering</b> Environmental Education Communications & Marketing	* Participate in and support existing stormwater education campaigns addressing bacteria such as <i>Doo the Right Thing, Texas SmartScape™</i> (BMP 1.2), Fats Oil & Grease, and others.  * Distribute information a minimum of one time per year.	Year 1 - 5
BMP 1.10 City Newsletter Articles	Develop a program to distribute educational material to residents through city newsletter articles. The inserts will include stormwater education information specifically relating to high priority community-wide issues.	Engineering <b>Communications &amp; Marketing</b>	Distribute one article addressing stormwater education information relating to high priority community-wide issues in the citywide newsletter a minimum of one time per year.	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Residents</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.11 Bilingual Information	Develop a program to distribute bilingual information to the community. The information will include stormwater education information specifically relating to high priority community-wide issues.	<b>Engineering Environmental Education</b>  Communications & Marketing	Develop an outline of the information to be communicated over a 5 year period.	Year 1
			Distribute information a minimum of one time per year.	Year 2 - 5



## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Visitors</b>				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
See BMP 1.2 Texas SmartScape™ Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.3 StormWater Website	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.6 Stencil Town	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.7 Public Reference	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.8 StormWater Video	<i>Refer to referenced BMP for specific goals and schedule.</i>			
BMP 1.10 City Newsletter Articles	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.11 Bilingual Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Public Service Employees</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.12 City Employee Education	City Employees will receive stormwater education on general stormwater topics in accordance with TCEQ educational guidelines and will also receive information relating to McKinney's Phase II program.	<b>Engineering</b> Communications & Marketing	<ul style="list-style-type: none"> <li>* Provide stormwater information through pay-check stuffers or internal posters a minimum of once per permit year focusing on good housekeeping measures, illicit discharge identification and high priority community-wide issues.</li> <li>* Provide educational material a minimum of once per year on the City's intranet.</li> </ul>	Year 1 - 5
BMP 1.13 Education For Elected Officials	Elected Officials will receive stormwater education on general stormwater topics in accordance with TCEQ educational guidelines and will also receive information relating to McKinney's Phase II program.	<b>Engineering</b> Communications & Marketing	<ul style="list-style-type: none"> <li>* Provide Phase II program status updates a minimum of 2 times during the permit term through Council meetings or Council updates.</li> <li>* Provide educational material a minimum of once per year on the City's intranet.</li> </ul>	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Businesses</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.14 Businesses	Continue providing educational material to McKinney's businesses.	<b>Engineering</b> Communications & Marketing	* Continue using existing Chamber of Commerce distribution list. * Continue to distribute educational materials tailored to local businesses a minimum of one time per year.	Year 1 - 5
See BMP 1.1 Utility Bill Insert	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.2 Texas SmartScape™ Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.3 StormWater Web Site	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.6 Stencil Town	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.8 StormWater Video	<i>Refer to referenced BMP for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Businesses</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
See BMP 1.9 Bacteria Specific Outreach	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.10 City Newsletter Articles	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.1 Bilingual Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Commercial and Industrial Facilities</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.15 Commercial and Industrial Education	Continue to provide educational material to McKinney's commercial and industrial businesses.	<b>Engineering</b> Communications & Marketing	* Continue to use available resources to update group e-mail distribution list of McKinney commercial and industrial businesses.  * Distribute educational material tailored to local commercial and industrial businesses a minimum of one time per year.	Year 1 - 5
See BMP 1.1 Utility Bill Insert	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.2 Texas SmartScape™ Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.3 StormWater Web Site	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.6 Stencil Town	<i>Refer to referenced BMP for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Commercial and Industrial Facilities</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
See BMP 1.8 StormWater Video	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.9 Bacteria Specific Outreach	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.10 City Newsletter Articles	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.11 Bilingual Information	<i>Refer to referenced BMP for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

<b>Public Education and Outreach</b>				
<b>Construction Site Personnel</b>				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.16 Developer/Builder/ Engineer Education	Continue to provide educational material to the development community.	<b>Engineering</b> Communications & Marketing Building Permitting	* Continue to use available resources to update group e-mail distribution list of Developers, Builders and Engineers that are active in McKinney.  * Distribute educational material tailored to Developers, Builders and Engineers that are active in McKinney a minimum of one time per year.	Year 1 - 5
See BMP 1.3 StormWater Web Site	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 3.9 Pre-Development Review and Other Construction Meetings	<i>Refer to Construction Site Runoff MCM for specific goals and schedule.</i>			

## MCM 1 Public Education, Outreach and Involvement

Public Involvement				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.17 "Stencil Town" Storm Drain Marker Installation	Continue to solicit public involvement in the installation of storm drain markers for installation per BMP 1.6.	<b>Engineering</b> Water Utilities and Infrastructure	* Continue public participation component of the Storm Drain Marker program (BMP 1.6) developed during the previous permit term.  * Track the number of groups, individuals, and markers placed.	Year 1 - 5
BMP 1.18 Green Seminars	Provide opportunities for citizens to participate in the implementation of control measures to reduce the discharge of pollutants.	Engineering <b>Environmental Education</b>	* Continue existing Green Seminars program.  * Track the number of seminars and attendees.	Year 1 - 5
BMP 1.19 Citizen's Advisory Committee	Continue implementation of existing citizen's advisory committee to solicit input on McKinney's stormwater management program.	<b>Engineering</b> City Council	Conduct a minimum of 1 citizen's advisory committee meeting per year.	Year 1 - 5



## MCM 1 Public Education, Outreach and Involvement

<b>Public Involvement</b>				
<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept.</b>	<b>Measurable Goal(s)</b>	<b>Schedule</b>
BMP 1.20 Stormwater hotline	Continue implementation and advertisement of existing dedicated stormwater hotline to solicit information related to illicit discharges and illegal dumping, complaints, and general comments regarding McKinney's stormwater management program.	<b>Water Utilities and Infrastructure</b> Engineering Communications & Marketing	<ul style="list-style-type: none"> <li>* Continue implementation of existing dedicated phone line.</li> <li>* Track, assign and investigate complaints.</li> <li>* Advertise the hotline's existence through various Public Education BMPs as appropriate.</li> </ul>	Year 1 - 5
BMP 1.21 McKinney Cleanup	Continue McKinney's community cleanup program in order to reduce floatables, etc., that make their way to the stormwater conveyance system.	<b>Environmental Education</b> Housing & Community Development Environmental Services Water Utilities and Infrastructure Communications & Marketing Engineering	<ul style="list-style-type: none"> <li>* Sponsor a minimum of three McKinney cleanup programs per year.</li> <li>* Track the number of events, individuals and floatables, etc. collected.</li> </ul>	Year 1 - 5

## MCM 1 Public Education, Outreach and Involvement

Public Involvement				
BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 1.22 Household Hazardous Waste Collection and Recycling	Continue to provide opportunities for collection and recycling of hazardous materials from local residents.	<b>Environmental Services</b> Communications & Marketing Engineering	* Continue existing household hazardous waste collection and recycling program. * Track the amount of materials collected.	Year 1 - 5
			* Evaluate the success of the previous year's collection and recycling activities. * Update the household hazardous waste collection and recycling program to reflect any necessary changes as determined in the evaluation.	Year 2 - 5
See BMP 1.3 StormWater Web Site	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 1.9 "Public Reference"	<i>Refer to referenced BMP for specific goals and schedule.</i>			
BMP 1.13 Education For Elected Officials	<i>Refer to referenced BMP for specific goals and schedule.</i>			
See BMP 3.5 Receipt and Consideration of Information from Public	<i>Refer to Construction Site Runoff MCM for goals and schedule.</i>			

## MCM 2 Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 2.1 Dry Weather Screening	Conduct dry weather field screening of priority areas.	<b>Engineering</b> GIS	Develop a plan to identify field screening stations and priority areas that will result in screening all of the priority areas by the end of the permit term.	Year 1
			<ul style="list-style-type: none"> <li>* Implement the City's plan for screening all priority areas by the end of the 5<sup>th</sup> year.</li> <li>* Update priority area list and field screening stations each year.</li> </ul>	Year 2 - 5
BMP 2.2 Wastewater Implementation Strategies (previously labeled Sanitary Sewer Smoke Testing)	Continue existing programs in order to reduce cross connections, failures and overflows of sanitary sewers, grease traps, and grit traps.	<b>Water /Wastewater</b> Engineering	<ul style="list-style-type: none"> <li>* Continue implementation of existing Sewer System Evaluation Study (SSES) and Capacity, Management, Operations and Maintenance (CMOM) Program to identify potential cross-connections and inflow/infiltration (I/I) with the City's storm sewer system.</li> <li>* Track the linear feet of sewer lines tested, number of detected breaks, and the number of repairs.</li> <li>* Monitor grease and grit traps as part of the existing pretreatment program.</li> </ul>	Year 1 - 5

## MCM 2 Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 2.3 Illicit Discharge Investigation, Response, Elimination and Enforcement	Continue to conduct investigations to determine the source of illicit connections and illegal dumping activities.	<b>Engineering Water Utilities and Infrastructure</b>	<ul style="list-style-type: none"> <li>* Assess regulatory authority and update ordinances, if needed, to provide the City with additional authority to investigate, trace, identify and eliminate suspected illicit connections or illegal dumping activities in accordance with TCEQ requirements.</li> <li>* Continue to conduct investigations in accordance with investigation procedures established in first permit term.</li> <li>* Revise standard procedures to include at a minimum, documenting the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.</li> </ul>	Year 1 - 2
			<ul style="list-style-type: none"> <li>* Conduct investigations in accordance with <i>revised</i> investigation procedures.</li> <li>* Conduct a follow-up investigation or field screening, consistent with BMP 2.1, to verify that the discharge has been eliminated.</li> </ul>	Year 3 - 5

## MCM 2 Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 2.3 Illicit Discharge Investigation, Response, Elimination and Enforcement (Cont.)	Continue to conduct investigations to determine the source of illicit connections and illegal dumping activities.	<b>Engineering</b> <b>Water Utilities and Infrastructure</b>	<ul style="list-style-type: none"> <li>* Continue to eliminate identified sources of illicit discharges or demonstrate escalated enforcement actions against the responsible entity.</li> <li>* Track all investigations identified through hotline information, dry weather screening, wastewater implementation strategies, or other.</li> </ul>	Year 1 - 5
BMP 2.4 Spill Response	Continue implementation of existing spill response procedures and training.	<b>Fire Services</b> Engineering Water Utilities and Infrastructure	<ul style="list-style-type: none"> <li>* Continue implementation of existing spill response procedures and training.</li> <li>* Track number of responses to spills / Hazmat incidents.</li> <li>* Track the number of training hours for appropriate employees.</li> </ul>	Year 1 - 5
BMP 2.5 Storm Sewer System Map	Revise existing storm sewer map in accordance with TCEQ requirements.	<b>GIS</b> Engineering Water Utilities and Infrastructure	Update existing GIS mapping information for the City's storm sewer system to include priority areas identified in BMP 2.1 and name of surface waters.	Year 1
BMP 2.6 Update Storm Sewer System Map	Update the City's storm sewer system map as needed to record new pipes/systems created by new development.	<b>GIS</b> Engineering Water Utilities and Infrastructure	<ul style="list-style-type: none"> <li>* Continue the existing program of triggering/completing storm sewer mapping changes as permits and as-built plans are filed for new construction activities.</li> <li>* Track number of outfalls, field screening locations, priority areas and drainage areas added to storm sewer outfall map.</li> </ul>	Year 2 - 5

## MCM 2 Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 2.7 Public Reporting of Illicit Discharges and Spills	See BMP 1.18 Stormwater hotline	<i>Refer to Public Involvement MCM for goals and schedule.</i>		
	See BMP 3.5 Receipt and Consideration of Information from Public	<i>Refer to Construction Site Runoff MCM for goals and schedule.</i>		
BMP 2.8 Education and Training	Participate in the NCTCOG Regional Stormwater Management Program's IDDE Task Force.	<b>Engineering</b>	Attend and stay informed of 1 Task Force meeting/year	Year 1 - 5
	See BMP 1.10 City Employee Education	<i>Refer to Public Involvement MCM for goals and schedule.</i>		
	See BMP 1.13 City Inspector Training	<i>Refer to Public Involvement MCM for goals and schedule.</i>		
	See BMP 5.7 Employee Training	<i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i>		
BMP 2.9 On-site Sewage Facilities (OSSF)	The City of McKinney has an existing program to reduce the number of failing septic systems.	<b>Engineering</b> Water Utilities and Infrastructure	* Report OSSF concerns to the Collin County Development Services (entity with authority over OSSF). * Track number of concerns reported.	Year 1 - 5

## MCM 2 Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
See BMP 1.20 Household Hazardous Waste Collection and Recycling	<i>Refer to Public Involvement MCM for goals and schedule.</i>			

### MCM 3 Construction Site Runoff

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 3.1 Controlling Ordinances	The City of McKinney has a thorough, existing construction site erosion control program.	<b>Engineering</b> Building Inspections	* Continue implementation of existing programs. * Assess regulatory authority and update ordinances.	Year 1 - 5
BMP 3.2 Requirements for Construction Site Contractors				
BMP 3.3 Site Plan Review				
BMP 3.4 Site Inspection and Enforcement				
BMP 3.5 Receipt and Consideration of Information from Public	Continue implementation of existing program for the receipt and consideration of public comments regarding erosion control.	<b>Engineering</b> Building Inspections	Continue implementation of system for receiving, considering, and tracking comments from the public regarding the City's erosion control program and for specific project-related complaints.	Year 1 - 5



### MCM 3 Construction Site Runoff

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 3.6 Review Erosion and Sediment Control Program	Continue to review the effectiveness, appropriateness, and cost-effectiveness of the existing erosion control program.	<b>Engineering</b> Building Inspections	Continue existing programs plus review existing manuals and documents referencing erosion control.	Year 1
			Adopt any recommended changes from Year 1.	Year 2
			No formal review. Continue existing and/or revised programs.	Year 3- 5
BMP 3.7 Construction Site Inventory	Conduct a program for tracking active public and private construction sites.	<b>Engineering</b> Building Inspections	Develop a system for receiving and tracking active public and private construction sites.	Year 1 - 3
			Implement system.	Year 4 - 5
BMP 3.8 MS4 Staff Training	Continue to train City construction site erosion control inspectors.	<b>Engineering</b>	<ul style="list-style-type: none"> <li>* Provide a minimum of 8 hours of construction site erosion control training to inspection personnel at least once every three years.</li> <li>* Provide a minimum of 3 hours of construction site erosion control training to new inspection employees within 6 months of the employee's start date.</li> <li>* Track training hours and number of attendees.</li> </ul>	Year 1 - 5

### MCM 3 Construction Site Runoff

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 3.9 Pre-Development Review and Other Construction Meetings	The City of McKinney meets with Developers, Engineers, and Contractors to review City expectations and regulations for construction site erosion control prior to issuance of a permit.	<b>Engineering</b>	* Attend meetings to discuss stormwater concerns with attendees and distribute materials as deemed necessary.  * Track number of meetings.	Year 1 - 5

## MCM 4 Post-Construction Stormwater Management in New Development/Redevelopment

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
4.1 Post Construction Site Runoff Controls (previously labeled iSWM™ Design Manual Development & Implementation)	The City of McKinney has an existing post-construction stormwater management control program.	<b>Engineering</b> Planning	* Continue implementation of existing programs plus review existing manuals and documents referencing post-construction stormwater management. * Assess regulatory authority and update ordinances.	Year 1
			Adopt any recommended changes from Year 1.	Year 2
			* Continue existing and/or revised programs. * Review changes in technology and practices, other city programs and other sources to ensure program remains applicable. * Update the program to reflect any necessary changes as determined in the review.	Year 3- 5
BMP 4.2 Engineering Design Review	Continue existing design review process.	<b>Engineering</b>	* Continue and evaluate existing design review process of all construction projects, one acre in size, or larger, to verify compliance with the city's stormwater ordinance. * Track number of construction projects reviewed.	Year 1 - 5
			Update the design review process to reflect any necessary changes as determined in the evaluation.	Year 3 - 5

## MCM 4 Post-Construction Stormwater Management in New Development/Redevelopment

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 4.3 Land Use Plan	Continue to utilize the City's existing land use plan.	<b>Planning</b>	*Continue implementing existing land use plan. *Evaluate existing land use plan and provide recommendations considering environmental and stormwater management practices. * Update the Land Use Plan to reflect any necessary changes as determined in the evaluation.	Year 1 - 5
BMP 4.4 Maintenance Agreements	Develop and implement a program for tracking maintenance agreements for structural stormwater controls.	<b>Engineering</b> Building Inspections	Develop a system for reviewing and tracking maintenance agreements of post-construction stormwater management controls.	Year 1 - 3
			Implement system.	Year 4 - 5

## MCM 4 Post-Construction Stormwater Management in New Development/Redevelopment

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 4.5 Inspections & Enforcement	Develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained consistent with its applicable maintenance plan.	<b>Engineering</b> Building Inspections Water Utilities and Infrastructure	* Assess regulatory authority and adopt new ordinances if needed to provide the City with the authority to inspect and enforce maintenance of post-construction stormwater controls in accordance with TCEQ requirements.  * Develop a tracking, inspection and enforcement procedure for structural stormwater controls.	Year 1 - 3
			* Implement procedure.  * Utilize the regulatory authority developed in the previous permit year.  * Track inspections and enforcement actions.	Year 4 - 5
BMP 4.6 Healthy Creeks and Lakes Initiative	The City of McKinney has an existing program to address erosion and flooding concerns.	<b>Engineering</b> Water Utilities and Infrastructure	Continue implementation of system for receiving, considering, tracking and resolving concerns regarding erosion and flooding issues.	Year 1 - 5

## MCM 4 Post-Construction Stormwater Management in New Development/Redevelopment

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
<p style="text-align: center;">BMP 4.7 Regional Water Utilities and Infrastructure Program</p>	<p>The City of McKinney currently participates in the NCTCOG-sponsored Regional Water Utilities and Infrastructure Program.</p>	<p><b>Engineering Water Utilities and Infrastructure</b></p>	<p>* Continue to participate financially in support of the NCTCOG-sponsored Regional Water Utilities and Infrastructure Program throughout permit term or until fiscal support is no longer required.</p> <p>* Continue to incorporate Water Utilities and Infrastructure Construction Standards, Sustainable Public Rights of Way, integrated Stormwater Management (iSWM™) Program, and Hydrologic/Flooding Technical Assistance components congruent with McKinney's ordinances.</p> <p>* Attend and stay informed of 1 meeting/year</p>	<p>Year 1 - 5</p>

## MCM 5 Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.1 Inventory & Assessment	Evaluate owned and operated municipal facilities and stormwater controls and their potential to discharge pollutants into stormwater.	<b>Engineering</b> Building Operations	Develop a program to inventory and assess owned and operated municipal facilities and stormwater controls by evaluating their potential to discharge pollutants into stormwater and identifying <i>high priority</i> facilities in accordance with Part III.B.5.(c)(4)b.	Year 1 - 2
			* Implement program. * Document, maintain and update assessment.	Year 3 - 5
BMP 5.2 Inspection	Develop and implement an inspection program of <i>high priority</i> facilities.	<b>Engineering</b>	Develop stormwater pollution prevention inspection procedures.	Year 1 - 3
			Inspect each <i>high priority</i> facility at least once during the permit term.	Year 4 - 5
BMP 5.3 Facilities Map	Develop a map of owned and operated municipal facilities and stormwater controls in accordance with TCEQ requirements.	<b>GIS</b> Engineering Water Utilities and Infrastructure	Collect and map in GIS information for the owned and operated municipal facilities and stormwater controls.	Year 1 - 3
			Continue mapping changes as facilities and stormwater controls are updated.	Year 4 - 5

## MCM 5 Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.4 Employee Training	Continue implementation of good housekeeping and pollution prevention training to existing operations employee training programs.	<b>Engineering Water Utilities and Infrastructure</b>	<ul style="list-style-type: none"> <li>* Identify operations employee personnel that require training.</li> <li>* Provide good-housekeeping/pollution prevention operations training to personnel yearly.</li> <li>* Train all new operations employees within six months of the employee's start date.</li> <li>* Track training hours and number of attendees.</li> </ul>	Year 1 - 5
	See BMP 1.16 City Employee Education			
BMP 5.5 Standard Operating Procedures (SOPs)	Evaluate SOPs and stormwater controls at <i>high priority</i> facilities.	<b>Engineering Water Utilities and Infrastructure</b>	See BMP 5.1 Inventory & Assessment.	Year 1 - 2
			Develop a SOP for each <i>high priority</i> facility identified in the previous year. Include stormwater controls listed in Part III.B.5.(c)(6).	Year 3 - 4
			Implement SOPs for stormwater controls listed in the previous year and maintain in accessible location.	Year 5



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BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.6 O&M	Review operation and maintenance (O&M) activities with the potential to discharge pollutants into stormwater.	<b>Engineering</b> <b>Water Utilities and Infrastructure</b>  Building Operations	* Develop a program to evaluate O&M activities listed in Part III.B.5.(b)(5)a and identify pollutants associated with O&M activities.  * Develop stormwater pollution prevention inspection procedures.	Year 1 - 3
			* Implement program developed in the previous year.  * Inspect each activity at least once during the permit term.  * Maintain a log of inspections.	Year 4 - 5
BMP 5.7 Contractor Oversight	Develop a program to ensure contractors are using appropriate control measures and SOPs.	<b>Engineering</b> <b>Water Utilities and Infrastructure</b>	* Develop a program to identify contractors that perform activities listed in Part III.B.5.(b)(5)a and Part III.B.5.(c)(6) on municipal owned facilities.  * Develop compliance and oversight procedure(s) for contractors and activities identified.	Year 1 - 3
			Implement program and procedures listed in the previous year.	Year 4 - 5

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BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.8 Storm Sewer Cleaning	Remove floatables, debris, sediment, etc. from inlets and pipes as needed to maintain capacity and to reduce stormwater pollution.	<b>Water Utilities and Infrastructure</b>	<ul style="list-style-type: none"> <li>* Continue implementation of existing inspection schedule.</li> <li>* Clean inlets as necessary.</li> <li>* Clean system as needed in response to complaints or reported problems.</li> <li>* Review results and complaints to identify and prioritize problem areas for increased inspection.</li> <li>* Track volume of waste collected.</li> </ul>	Year 1 - 5
BMP 5.9 Street Sweeping	Continue existing street sweeping program.	<b>Water Utilities and Infrastructure</b>	<ul style="list-style-type: none"> <li>* Continue implementation of existing street sweeping schedule.</li> <li>* Sweep major arterials once per quarter, collectors twice per year, and residential streets once per year.</li> <li>* Track volume of waste collected.</li> </ul>	Year 1 - 5
BMP 5.10 Landscape Maintenance	Review landscaping maintenance practices for municipal owned and operated public spaces.	<b>Parks, Recreation &amp; Open Space Code Compliance</b>  <b>Water Utilities and Infrastructure</b>  Engineering	* Develop a program to identify and inventory municipal owned and operated public spaces, as well as evaluate the materials used, activities performed and application schedules.	Year 1 - 3
			<ul style="list-style-type: none"> <li>* Implement the program listed in the previous year.</li> <li>* Maintain and update inventories.</li> </ul>	Year 4 - 5

## MCM 5 Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.11 Herbicide Management	Continue existing herbicide management program.	<b>Parks, Recreation &amp; Open Space</b>  <b>Water Utilities and Infrastructure</b>	* Continue McKinney's existing herbicide management program following all Federal, State and local laws concerning the handling and application of herbicides as well as any appropriate documentation. * Track training and licensure as required.  * Dispose of unused materials through Household Hazardous Waste Collection and Recycling program (see BMP 1.21) or other approved methods.	Year 1 - 5

## MCM 5 Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.12 Pesticide Management	Continue existing pesticide management program.	<b>Parks, Recreation &amp; Open Space</b>  <b>Code Compliance</b>  <b>Water Utilities and Infrastructure</b>	* Continue McKinney's existing pesticide management program following all Federal, State and local laws concerning the handling and application of pesticides as well as any appropriate documentation.  * Track training and licensure as required.  * Dispose of unused materials through Household Hazardous Waste Collection and Recycling program (see BMP 1.21) or other approved methods.	Year 1 - 5
			* Evaluate use of non-chemical pesticides.  * Update the pesticide management program to reflect any necessary changes as determined in the evaluation.	Year 2 - 4
BMP 5.13 Safe Material Storage	Continue existing material storage management practices.	Engineering  <b>Environmental Services</b>	* Continue the existing safe material storage practices. * Perform inspections of material storage facilities annually. * Include any inspection based changes in the annual report.	Year 1 - 5

## MCM 5 Pollution Prevention/Good Housekeeping for Municipal Operations

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 5.14 Fleet Service Center SWPPP	Continue to implement structural and non-structural controls.	Engineering <b>Fleet Services</b> Environmental Services	* Continue to implement the existing Fleet Service Center SWPPP. * Perform inspections established in the SWPPP. * Include any inspection based changes in the annual report.	Year 1 - 5
BMP 5.15 Airport SWPPP	Continue to implement the existing airport SWPPP	<b>McKinney National Airport</b>	* Continue to implement the existing airport SWPPP. * A private contractor is used to perform inspections established in the SWPPP. * Include any inspection based changes in the annual report.	Year 1 - 5
BMP 5.16 Proper Waste Disposal	Ensure that any work performed by, or on behalf of, the City shall follow proper disposal requirements as associated with dredge material, accumulated sediments and floatable materials.	<b>Parks, Recreation &amp; Open Space</b> <b>Water Utilities and Infrastructure</b>	Gather and report information on the disposal of these items as it occurs.	Year 1 - 5
BMP 4.4 Maintenance Agreements	<b><i>Refer to Post-Construction Stormwater Management in New Development/Redevelopment MCM for goals and schedule.</i></b>			

## MCM 6 Industrial Stormwater Sources

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 6.1 Industrial Sources	Identify municipal facilities listed in Part III.B.6(a)1 or that may be subject to an Industrial stormwater permit.  Control pollutants in stormwater discharges from these facilities.	<b>Engineering</b>  GIS  Building Operations	* Develop a program to identify and inventory municipal facilities listed in Part III.B.6(a)1 or that may be subject to an Industrial stormwater permit and evaluate facilities potential to discharge pollutants into stormwater and whether implementing a control measure is necessary.  * Develop stormwater pollution prevention inspection procedures.	Year 1 – 3
			* Implement program developed in the previous year  * Inspect identified facilities at least once during the permit term.  * Maintain and update inventory.	Year 4 – 5

## MCM 6 Industrial Stormwater Sources

BMP ID #	BMP Description	Responsible Dept.	Measurable Goal(s)	Schedule
BMP 6.2 Bacteria Sources	Develop a program to identify and target potential sources of bacteria pollution.	<b>Engineering</b>	* Develop a program to identify and inspect private and public facilities that may be a potential source of bacteria pollution.	Year 1 - 3
			* Implement the program developed in the previous year. * Maintain and update inventory.	Year 4 - 5
See BMP 5.1 Inventory & Assessment	<b><i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i></b>			
See BMP 5.2 Inspection	<b><i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i></b>			
See BMP 5.12 Safe Material Storage	<b><i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i></b>			
See BMP 5.13 Fleet Service Center SWPPP	<b><i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i></b>			
See BMP 5.14 Airport SWPPP	<b><i>Refer to Pollution Prevention/Good Housekeeping for Municipal Operations MCM for goals and schedule.</i></b>			

## MCM 6 Industrial Stormwater Sources