INFRASTRUCTURE SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION
233 N. Pecos - La Trinidad, Suite 420
San Antonio, TX 78207
(210)335-6700 (voice)
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November 2, 2010

Jaya Zyman-Ponebshek, Team Leader
Texas Commission on Environmental Quality
Storm Water and Pretreatment Team (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for Bexar County
TPDES Permit Number: TXR040031

Dear Ms. Zyman-Ponebshek:

This letter serves to transmit the Year 3 Annual Report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR040031 for Bexar County.

A separate Notice of Change (NOC) has not been submitted based on the fact that changes have not been proposed for Year 4.

As required by the general permit, a copy of this submittal has also been mailed to the TCEQ's regional office in San Antonio, Texas.

Sincerely,

Renee D. Green

Renee D. Green, P.E.
County Engineer
Bexar County

Phase II (Small) MS4 Annual Report Form
TPDES General Permit No. TXR040000

A. General Information

1. Permit No. TXR040031 Annual Report Period: 8/13/2009-8/12/2010

Name of MS4 / Permittee: Bexar County

Contact Name: M. Antonio Leyva, P.E. Telephone Number: (210) 335-6523

Mailing Address: 233 N. Pecos, Suite 420, San Antonio, Texas 78207

E-mail Address: aleyva@bexar.org

2. Is the named permittee relying on another entity/ies to satisfy some of its permit obligations? _____ Yes X No

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

Name and Explanation: _____

Name and Explanation: _____

Name and Explanation: _____

Name and Explanation: _____

Name and Explanation: _____

3. Is the named permittee sharing a SWMP with other entities? _____ Yes ___X___ No

If "Yes," list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

Permit Number: _____ Permittee: _____

4. Is this a system-wide annual report including information for all permittees? _____ Yes ___X___ No

Explanation, if any _____

_____

_____

5. Has a copy of this annual report been submitted to the TCEQ Regional Office? ___X___ Yes _____ No

A. SWMP Modifications and Additional Information.

Include a brief explanation if you check "Yes" to any of the following statements.

1. a. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review. _____ Yes ___X___ No

_____

_____

b. If Yes to the above, has the TCEQ already approved the original SWMP? ___X___ Yes _____ No

_____

c. If Yes to the above, indicate whether an NOC (or letter) has been submitted to document the changes to the approved SWMP as required by the general permit. (Note that if an NOC is required, it must be submitted to the address shown on the NOC. Do not attach the original NOC form to this report.) _____ Yes ___X___ No

2. The MS4 has annexed lands since obtaining permit coverage. _____ Yes ___X___ No

3. A receiving water body is newly listed as impaired or a TMDL has been established. _____ Yes ___X___ No

4. The MS4 has conducted analytical monitoring of storm water quality. _____ Yes ___X___ No

   Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

C. Narrative Provisions.

1. Provide information on the status of complying with permit conditions:

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

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

   Has the permittee determined that any of the selected BMPs are not appropriate for reducing the discharge of pollutants in storm water? _____ Yes ___X___ No

   Provide explanation:

   _____

   _____

   _____

   _____

   _____

   _____

3. Describe progress towards reducing the discharge of pollutants to the maximum extent practicable (MEP). Summarize any information used (such as monitoring data) to evaluate reductions in the discharge of pollutants. Use a narrative description or table as appropriate:

   See attached Table, Reduction of Discharge Pollutants, Exhibit 1.

4. Provide a general evaluation of the program's progress, including any obstacles or challenges encountered in implementing BMPs, meeting the program's schedule, etc.:

The current Bexar County program was instituted in December 2008 with the final certification in June 2009. With scheduled community events and opportunities for outreach, the public has become more well-informed of this program and have accepted its implementation. Bexar County is on schedule with implementing all requirements for this program according to the permit granted.

5. Provide the number of construction activities (other than those where the permittee was the operator) that occurred within the regulated area as indicated via notices of intent or site notices:

   Bexar County has participated in 401 construction site inspections to verify proper SW3P measures.

6. Does the permittee utilize the 7th MCM related to construction? _____ Yes ___X___ No

   If Yes, then provide the following information:

   a. The number of municipal construction activities authorized under this general permit: _____

   b. The total number of acres disturbed for municipal construction projects: _____

   Though the 7th MCM is optional, this must be requested on the NOI or on a NOC and approved by the TCEQ.

7. Requirements for Specific Minimum Controls Measures (MCMs):

   a. For MCM 1 - Public Education and Outreach, provide documentation of activities conducted and materials used to fulfill the requirements of this MCM. See attached table, Storm Water Quality Program Metrics, Exhibit 2.

   b. Also for MCM 1, provide documentation of the amount of resources used to address each group (e.g., visitors, businesses, etc.). See attached PowerPoint presentations, Bexar County Storm Water Quality Program and Bexar County Storm Water Pollution Prevention.

   c. For MCM 3 – Illicit Discharge Detection and Elimination (IDDE), indicate whether you have developed a list of allowable non-storm water discharges, other than those already listed in the general permit. If you have developed a list and have made any changes to the local controls, conditions and/or programs being established for discharges, include this information below. If you do not have any changes for this permit year, indicate that this item is not applicable.

      Not Applicable

8. Describe any proposed changes to the SWMP in the coming reporting year.

   Bexar County does not foresee making any changes to the current SWMP. However, Bexar County will continue the phase-in of the program.

9. Describe any activities planned for the next permit year / reporting cycle.

   a. Bexar County will plan to have 5 additional Community Clean-up events.

   b. Bexar County will plan to have 10 additional public outreach events to include school, HOAs, and fairs.

   c. Bexar County and surrounding government agency plan to have coordinated enforcement of illegal dumping.

   d. Bexar County will develop and implement an operation and maintenance program specific to spill response for all municipal operations.

D. Storm Water Management Program Status. Provide the status of every BMP and measurable goal listed in the SWMP, as described in the instructions. Each MCM, but not necessarily each BMP, must include the measurable goals described in the SWMP. For a shared SWMP, include the name of the responsible MS4 operator(s) in the "BMP" column. *(Though an MS4 is not required to implement BMPs until the initial SWMP is approved by the TCEQ, the MS4's initial annual report should include a description of what has been done to date, even if the SWMP has not yet been approved. The MS4 will receive credit for all BMPs implemented prior to and during the first permit year if they are described in the initial annual report.)*

See attached Table 1, BMP Status, Exhibit 3.

See attached Table 2, Measurable Goals Status, Exhibit 4.

B. Certification

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

Name (printed): Renee D. Green, P.E. Title: County Engineer

Signature: Renee D. Green Date: 11/10/2010

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Exhibit 1

Reduction of Discharge Pollutants

MCM	BMP	Parameter	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes / No / Explain)
3	Identify Common Illicit Discharge Locations	Community Cleanup Events	Fifty-Five (55)	Tons	Yes, these community cleanup events remove potential illicit discharge vectors from public waterways and remediate debris from known dumping sites within local subdivisions.
3	Identify Common Illicit Discharge Locations	County-wide "Dump Your Junk" program	Program being phased-in	Tons	Yes, The "Dump Your Junk" Program was established to aid residents in the unincorporated areas of Bexar County in legally disposing of their bulky trash, brush, junk, rubbish and debris at designated landfills. Residents will be mailed one "Dump Your Junk" coupon which will allow residents to transport their bulky trash, brush, junk, rubbish and debris to any of the designated landfills or transfer stations for disposal at "No Charge" during a set period of time. This program will reduce the volume of potential illegal dumping and illicit discharges.
3	Identify Common Illicit Discharge Locations	Monitor dump sites	Program in place	Pounds or gallons	Yes, Bexar County with the partnership of local government entities have identified trends of illegal dumping and established interagency taskforces to provide monitoring, policing, and clean-up of illegal dump sites.
3	Identify Common Illicit Discharge Locations	Monitor water quality	Availability in place	TCEQ water quality standards	Yes, Bexar County has partnered with the San Antonio River Authority to provide water quality data along local rivers and streams. The San Antonio River Authority is currently performing this function for various state-funded projects. This water testing enhances Bexar County capabilities to sample sites with potential illicit discharges. The San Antonio River Authority's Environmental Sciences Department's (ESD) Laboratory provides a wide range of analyses for drinking water and non-potable water testing. These analyses are available for a small fee to anyone wishing to have their water tested. Municipalities, water purveyors, wastewater treatment plants, consultants, water bottlers, other laboratories and private citizens all use the services of the Laboratory.
4	Inspect construction sites based on permitting	Review sites based upon requests for other departmental permits	Program in place	TCEQ water quality standards	Yes, conducting site visits based on permit requests for other Bexar County services will enhance the reduction of discharges. This will require staff training of water quality standards.
5	Inspect construction sites under development	Review sites based upon TCEQ NOIs or Bexar County site development permits	Program in place	TCEQ water quality standards	Yes, conducting site visits based on permit requests for construction activities within Bexar County will enhance the reduction of discharges. This will require staff training of water quality standards.

EXHIBIT 2: BEXAR COUNTY STORM WATER QUALITY PROGRAM METRICS (8/13/2009-8/12/2010)

MCM No.	BMP	Parameter	Date	Attendees	Hours of Instruction	Tonnage of Material	Quantity	Participants								
								Bexar County	City of San Antonio	San Antonio River Authority	San Antonio Water System	TCEQ	EPA	US Fish and Wildlife	TxDOT	Other Agencies
1	Public Education and Outreach	City of Kirby SWQP Presentation	9/8/2009	15	1.00			X								
		Development Process Task Force	10/9/2009	35	1.00			X	X	X	X					
		Lackland Air Force Base Storm Water Conference	12/9/2009	75	4.00			X	X	X	X				X	X
		Development Process Task Force	12/11/2009	35	1.00			X	X	X	X					
		Greens Homeowners Association	6/8/2010	20	3.00			X								
		County Precinct 4 Community Fair	8/7/2010	300	6.00			X								
		World Water Monitoring Day events at NW Crossing Elementary	10/4/2010	100	4.00			X	X	X	X					
		World Water Monitoring Day events at Wanke Elementary	10/29/2010	100	4.00			X	X	X	X					
			Totals	**680**	**24.00**											
2	Public Participation and Involvement	Whispering Winds Community Cleanup	9/26/2009			5		X								
		Applewhite Community Cleanup	10/3/2009			15		X								
		Waterwood Pass Drive Cleanup	11/14/2009			10		X								
		Silver Leaf, Elm Valley, and Hidden Oasis Community Cleanup	5/6/2010			15		X								
		New World and Montgomery Drive Community Cleanup	5/22/2010			10		X								
					Totals	**55.00**										
2	Public Participation and Involvement	Leon Creek Watershed Masterplan Meeting	7/7/2010	15	4.00			X	X	X						
		Leon Creek Watershed Masterplan Meeting	10/5/2010	15	4.00			X	X	X						
		Salado Creek Watershed Masterplan Meeting	5/3/2010	15	4.00			X	X	X						
		Bexar County High Water Detection System Training	1/14/2010	15	4.00			X								
		SARA Stream Restoration Program Training	1/6/2010	20	8.00			X	X	X						
		SARA Stream Restoration Program Training	1/7/2010	20	8.00			X	X	X						
		SARA Stream Restoration Program Training	1/8/2010	20	5.00			X	X	X						
		SARA Stream Restoration Program Training	6/8/2010	20	8.00			X	X	X						
		SARA Stream Restoration Program Training	6/9/2010	20	8.00			X	X	X						
		SARA Stream Restoration Program Training	6/10/2010	20	8.00			X	X	X						
		SARA Stream Restoration Program Training	6/11/2010	20	4.00			X	X	X						
		SAWS Storm Water TPDES Inspector Workshop	12/16/2009	50	8.00			X	X	X	X					
		Watershed Technical Committee Meeting	8/20/2009	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	9/17/2009	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	10/15/2009	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	11/5/2009	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	12/17/2009	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	1/7/2010	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	2/18/2010	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	3/18/2010	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	4/15/2010	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	6/17/2010	15	1.50			X	X	X						
		Watershed Technical Committee Meeting	8/5/2010	15	1.50			X	X	X						
		River Water Quality Work Group Meeting	9/15/2009	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	10/20/2009	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	11/17/2009	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	2/9/2010	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	3/16/2010	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	4/20/2010	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	5/18/2010	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	7/27/2010	10	1.00			X	X	X	X					
		River Water Quality Work Group Meeting	9/28/2010	10	1.00			X	X	X	X					
		Low Impact Development Task Force Meeting	8/3/2009	25	1.50			X	X	X	X					
		Low Impact Development Task Force Meeting	9/21/2009	25	1.50			X	X	X	X					
		Low Impact Development Task Force Meeting	1/25/2010	25	1.50			X	X	X	X					
		Low Impact Development Task Force Meeting	3/15/2010	25	1.50			X	X	X	X					

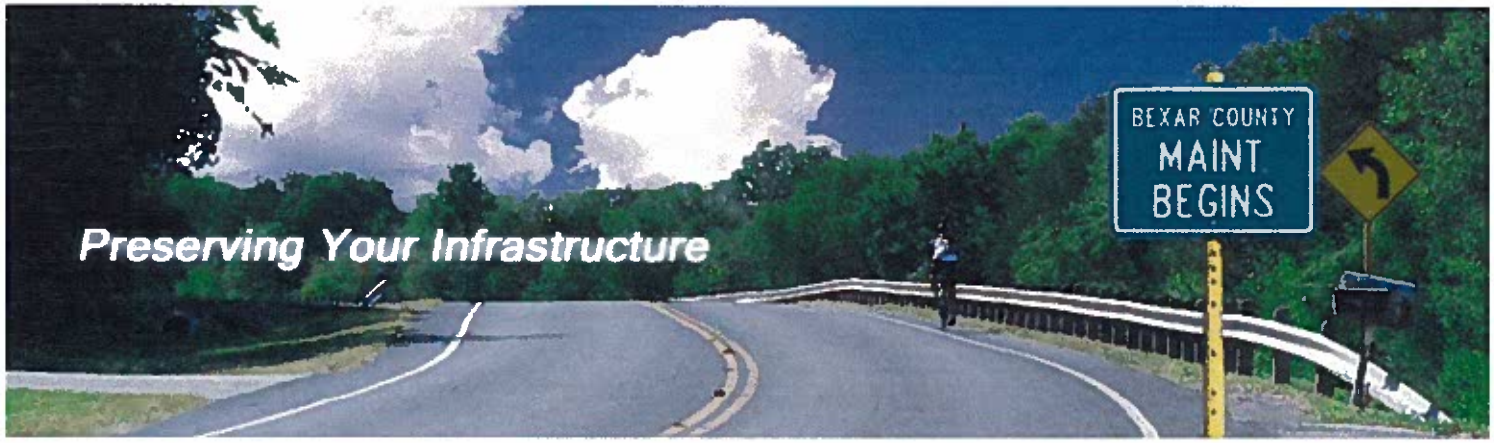
EXHIBIT 2: BEXAR COUNTY STORM WATER QUALITY PROGRAM METRICS (8/13/2009-8/12/2010)

MCM No.	BMP	Parameter	Date	Attendees	Hours of Instruction	Tonnage of Material	Quantity	Participants								
								Bexar County	City of San Antonio	San Antonio River Authority	San Antonio Water System	TCEQ	EPA	US Fish and Wildlife	TxDOT	Other Agencies
2	Public Participation and Involvement	Low Impact Development Task Force Meeting	5/17/2010	25	1.50			X	X	X	X					
		Low Impact Development Task Force Meeting	7/21/2010	25	1.50			X	X	X	X					
		Low Impact Development Task Force Meeting	9/9/2010	25	1.50			X	X	X	X					
		Bexar Regional Watershed Management Water Quality Group	8/28/2009	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	9/25/2009	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	10/30/2009	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	1/29/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	3/26/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	4/30/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	5/28/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	6/25/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	8/27/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	9/24/2010	50	3.00			X	X	X	X	X	X	X		X
		Bexar Regional Watershed Management Water Quality Group	10/29/2010	50	3.00			X	X	X	X	X	X	X		X
			Totals	**1230.00**	**142.00**											
3	Illicit Discharge Detection and Elimination	Illegal Dumping Taskforce Meeting	9/23/2009	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	10/28/2009	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	11/16/2009	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	12/14/2009	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	1/27/2010	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	4/7/2010	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	6/9/2010	20	2.00			X	X	X	X	X				
		Illegal Dumping Taskforce Meeting	9/22/2010	20	2.00			X	X	X	X	X				
		Olmos Basin Watershed Outreach Meeting	8/30/2010	10	2.00			X	X	X	X	X			X	X
		Olmos Basin Watershed Outreach Meeting	10/29/2010	10	2.00			X	X	X	X	X			X	X
			Totals	**180.00**	**20.00**											
4	Construction Permitting and Inspection	Site Development Permit Applications	FY 09-10				29	X								
		Bexar County Maintained Sedimentation Basins					3	X								
						Totals	**32.00**									
5	Post Construction Storm Water	Storm Water Quality Site Inspections	FY 09-10				401	X								
		Notice of Violation Letters Issued					93	X								
						Totals	**529.00**									
6	Pollution Prevention/Good Housekeeping	Storm Water Pollution Prevention (Cagnon Service Center)	7/30/2008	22	1.00			X								
		Storm Water Pollution Prevention (Southton Service Center)	8/6/2008	51	1.00			X								
		Storm Water Pollution Prevention (Judson Service Center)	9/13/2010	30	1.00			X								
			Totals	**103.00**	**3.00**											

Exhibit 3: Table 1 – BMP Status					
MCM(s)	**BMP**	**Milestones of Permit Year**	**New or Revised**	**Start Date**	**Status / Completion Date (completed, in progress, not started)**
1	Storm Water Web Page	Update existing website with new information on site development permit, TCEQ requirements, and storm water quality program to inform the public.		May 2009	Completed
1	Newsletter Articles	Inform public on Bexar County storm water quality program.		Pending	In Progress
1	Public Education Display	Inform public during community events about Bexar County storm water quality program.		Continuous	Completed
1	Storm Water Quality Flyer	Inform public on Bexar County storm water quality program.		Continuous	Completed
2	Storm Water Hotline	Inform public on Bexar County storm water quality program.		July 2010	Completed
3	Storm Sewer Mapping	Create database of all Bexar County MS4.		May 2009	Completed
3	Illicit Discharge Detection of MS4	Conduct inspections of MS4 areas within Bexar County annually. For identified discharges, notify owner/operator and contact Sheriff's office/TCEQ.		May 2009	Continuous
3	Educate Bexar County Employees	Inform public on Bexar County storm water quality program.		May 2009	Completed
3	Educate Businesses and Public	Inform public on Bexar County storm water quality program.		May 2009	Completed
3	Spill Response Program	Utilizing Bexar County HHW program and Fire Marshal office, a reduction of discharges of potential hazardous chemical into MS4.		May 2009	In Progress
4	Erosion and Sediment Control Ordinance	Conduct inspections of proper SW3P measures within Bexar County from recent developments.		May 2009	Continuous
4	Staff Training	Inform Bexar County staff on state and federal mandates for Phase II of NDPES and proper SW3P measures.		May 2009	Continuous
5	Storm Water Detention Basins Inspection	Identify and conduct inspections of sedimentation basins within Bexar County from recent construction.		May 2009	In Progress
5	Maintenance of Regional Basins	Identify and conduct inspections of sedimentation basins maintained by Bexar County.		May 2009	In Progress
5	Post-Construction BMP's	Conduct inspections of proper SW3P measures within Bexar County from recent developments.		May 2009	Continuous
6	Leaf / Brush Pick-up Programs	Conduct community cleanup events for a reduction of discharges of potential trash/debris into MS4.		May 2009	Continuous
6	Fleet Maintenance Program	Inform Bexar County staff on state and federal mandates for Phase II of NDPES and proper SW3P measures.		May 2009	Continuous

Exhibit 4: Table 2 – Measurable Goals Status			
MCM(s)	**Measurable Goal(s)**	**Success**	**Proposed Changes (submit NOC as needed)**
1	Public Education Display at five (5) community events	Met Goal	None
2	Inform public on storm water quality program via email/phone responses from new Bexar County website.	Met Goal	None
3	Create database of 80% of MS4 outfalls to include new developments and Bexar County projects.	Met Goal	None
3	Utilizing Bexar County HHW program, provide an average of 25 site pickups monthly.	Met Goal	None
3	Develop and Implement a Spill Response Program for all municipal operations with employee training.	Pending	None
4	Send two staff employees to storm water quality training workshops.	Met Goal	None
5	Conduct at least 200 site inspections for proper SW3P measures for new construction.	Exceeded goal	None
6	Conduct five (5) community cleanup events for Bexar County residents.	Met Goal	None

Bexar County
Storm Water Quality Program



Background

- Clean Water Act (1972) – Governs discharge of point-source pollution to navigable water of the U.S. Established National Pollutant Discharge Elimination System (NPDES) for industrial facilities, government facilities such as military bases, and agricultural facilities such as feedlots.
- Clean Water Act (1987) – Established NPDES permit requirements for non-point sources such as municipal separate storm sewer systems (MS4).

- EPA mandated Phase I for municipalities above population of 100,000.
- EPA mandated Phase II in December 1999 for urban areas less than 100,000.
- TCEQ approved Phase II general permit for governmental entities on August 13, 2007.

- Bexar County Commissioner's Court approved the SWMP on October 23,2007.
- Bexar County Commissioner's Court approved the Federal Storm water fee on September 2,2008.
- Bexar County received notification of ability to issue general MS4 permits under TPDES from TCEQ on June 2, 2009.

Measurable Goals Guidance for Phase II Small MS4s

- Six minimum control measures (MCMs)
  - Public Education and Outreach
  - Public Involvement and Participation
  - Illicit Discharge Detection and Elimination
    - Any direct or indirect non-storm water discharge into MS4. (Ex. Sewage or anti-freeze into storm drain)
  - Construction Inspection and Permitting
    - No state permit prior to start of construction.
  - Post-construction Storm water Management
    - Proper SW3P measures at construction site.
  - Good Housekeeping within Bexar County

Permit Requirements

- TCEQ TPDES General Permit TXR150000
  - Permit is required for construction activities as:
    - Small operator for disturbance greater than 1 acre but less than 5 acres.
    - Large operator for disturbance greater than 5 acres.
  - Exceptions to the permit:
    - If construction is to take place in a particular county during a particular time period when erosion is expected to be minimal, you may be eligible for regulation under the Low Potential for Erosion Requirements .
    - If the potential for soil to wash away during your construction activity is low, you may qualify for the Low Rainfall Erosivity Waiver.
    - Even if you are eligible for coverage under a general permit, you may opt to request coverage under an individual permit.

Permit Requirements

- STEERS (State of Texas Environmental Electronic Reporting System):
  - Operators need to file for NOI (Notice of Intent).
  - STEERS became effective 3/15/08
  - Electronic submittals are permitted immediately (within 24-hours)
  - Paper submittals must wait 7 days before starting construction
- Permit fee structure
  - $225 per NOI for electronic submittals
  - $325 per NOI for paper submittals
  - No annual renewal fee
  - No charge per NOC for paper submittals only
  - No charge per NOT for electronic/paper submittals

Permit Requirements

- Steps to Take After Obtaining Permit:
  - All ongoing projects should file for a new NOI.
  - If an operator has had a history of issues with prior projects, then an individual permit will be required. This type of permit is more stringent in requirements than a general permit.
  - Notice of Change (NOC) is required to be submitted for making updates, changes, or corrections to an NOI or Waiver as required in the general permit.

Permit Requirements

- Steps to Take After Obtaining Permit: (con't)
  - Submit a Notice of Termination (NOT) within 30 days after one or more of the following occurs:
    - final stabilization has occurred
    - another permitted operator has assumed control over all areas of the site that have not been finally stabilized and all silt fences and other temporary erosion control measures have either been removed, scheduled for removal, or transferred to a new operator as described in the Storm Water Pollution Prevention Plan
    - authorization was granted under an individual permit
    - If the operator changes, the new operator must submit a Notice of Intent (NOI) and then the existing operator must submit a Notice of Termination (NOT). The NOT and NOI must be submitted at least 10 days before the change.
  - Operators must forward a copy of general permit to Bexar County Development Services for review

Permit Requirements

- Steps to Take After Obtaining Permit: (con't)
  - Stabilization requirements within Edwards Aquifer (TAC, Title 30, Chapter 213)
    - After 14 days of cease of construction operations, temporary stabilization needs to be in place.
    - Temporary Stabilization includes:
      - Establish vegetation, mulching, vegetative buffer strips, tree protection, and other appropriate measures.
    - After 21 days of cease of construction operations, final stabilization needs to be in place.
    - Final Stabilizations is required where any of the following conditions are met:
      - (a) All soil disturbing activities at the site have been completed and a uniform (i.e., evenly distributed, without large bare areas) perennial vegetative cover with a density of at least 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

Permit Requirements

- Steps to Take After Obtaining Permit: (con't)
  - (b) For individual lots in a residential construction site by either:
  - (1) the homebuilder completing final stabilization as specified in condition (a) above; or
  - (2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization. If temporary stabilization is not feasible, then the homebuilder may fulfill this requirement by retaining perimeter controls or other best management practices, and informing the homeowner of the need for removal of temporary controls and the establishment of final stabilization.

Permit Requirements

- Steps to Take After Obtaining Permit: (con't)
  - (c) For construction activities on land used for agricultural purposes (e.g. pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to surface water and areas that are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.
  - (d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
  - (1) Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and

Permit Requirements

- Steps to Take After Obtaining Permit: (con't)
  - (2) The temporary erosion control measures are selected, designed, and installed to achieve 70 percent vegetative coverage within three years.

  - Example: 70% requirement
  - 10 Acre Development with home site (2 acres of impervious cover) and asphalt road (1 acre of impervious cover).
  - Impervious Cover = 3 Acre/10 Acre = 30%
  - Pervious Cover = 100%-30% = 70%

Permit Requirements

- Bexar County Storm Water Quality Program
  - TPDES General Permit TXR040031
    - Required for all County-initiated projects.
    - This permit requires storm water pollution prevention and control measures for discharges into small MS4s, monitoring and reporting, and periodic inspections.
  - Bexar County Storm Water Construction Permit
    - Permit application process began on February 1, 2010.
    - Submitted directly to Bexar County Environmental Services.
    - Purpose of this new permit is to review the SWPPP (SW3P) of all development plans, insure the proper implementation of these measures, and provide periodic inspections of construction activities at the site.
    - Application fee is $500.
    - Application and submittal information is posted on our County website.
    - Dual Review of storm water measures by Bexar County and SAWS (via CoSA agreement) in all ETJ areas.

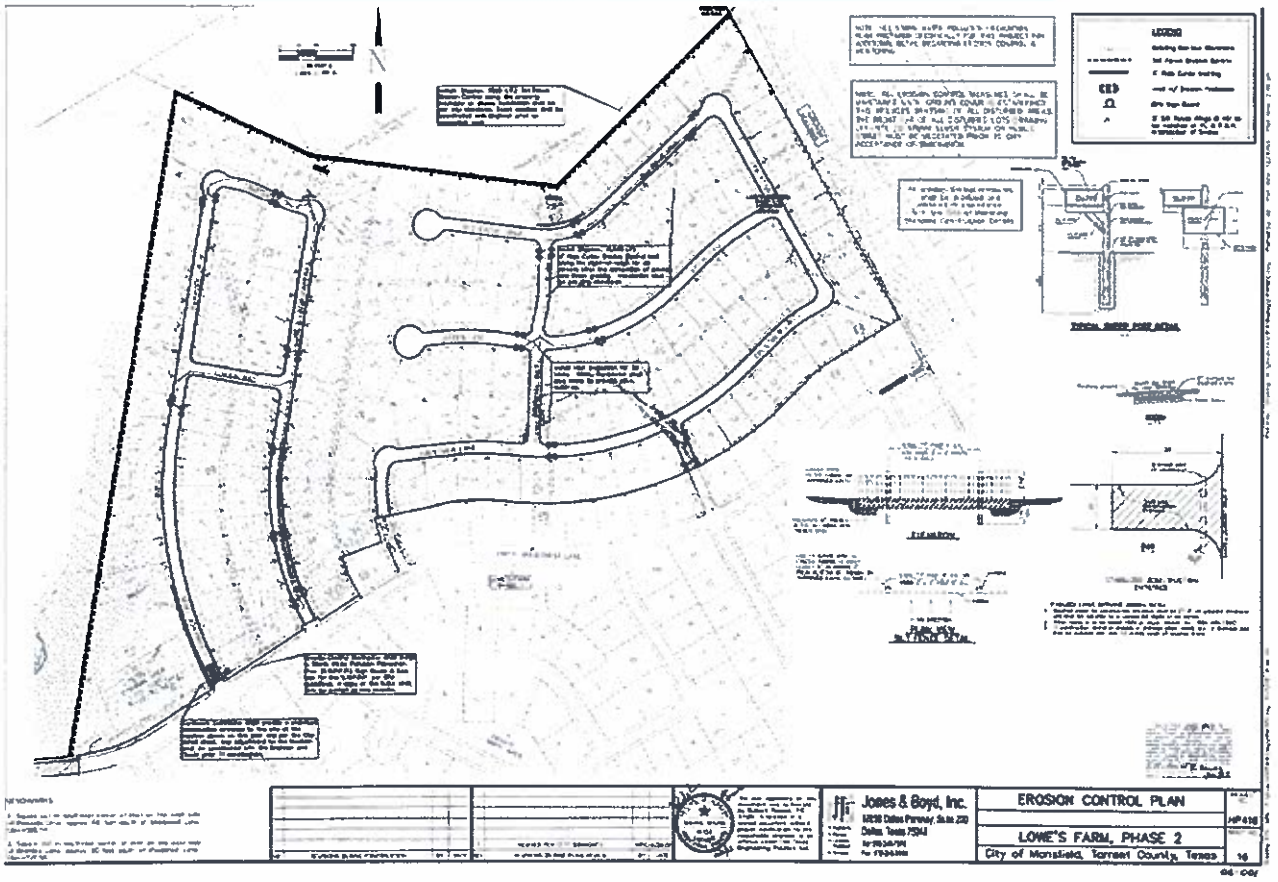
Storm Water Fee

Exhibit A

Federal Stormwater Program Cost for Bexar County, Texas				
Unincorporated Area of Bexar County Only		Square Footage Lo	Square Footage High	Annual Collection Rate w/ Maintenance Program
Residential				
Tier 1	RT1	0	4,999	$ 9.95
Tier 2	RT2	5,000	+	$ 13.14
Multifamily				
Tier 1	MT1	0	21,999	$ 22.22
Tier 2	MT2	22,000	43,999	$ 69.20
Tier 3	MT3	44,000	131,999	$ 209.85
Tier 4	MT4	132,000	+	$ 998.56
Commercial/General				
Tier 1	CT1	0	21,999	$ 58.62
Tier 2	CT2	22,000	43,999	$ 154.90
Tier 3	CT3	44,000	86,999	$ 277.60
Tier 4	CT4	87,000	131,999	$ 478.46
Tier 5	CT5	132,000	+	$ 1,057.09
Site Development Permit Fee				(One Time Only)
Site Disturbance		Greater than 1 Acre		$ 500.00

Storm Water Pollution Prevention Plan (SW3P)

- SW3P consists 1-2 sheets with location and design criteria for (BMPs).
- Primarily a permit review document.
- Changes should be made as on the ground conditions change.
- Includes a list of all potential pollutants and measures to reduce discharge of pollutants.



Storm Water Management Plan

- Can be developed cooperatively – but tasks must be clearly defined (living document)
- Should identify operator with control over plans (Owner)
- Should identify operator with day-to-day construction activity controls (Contractor)
- Must be accessible on-site for review
- Must be kept up to date with conditions at the site
- Contents:
  - Site Description
  - BMP List - A list of BMPs to be used on the site and the general sequence for when they will be used
  - Structural Control Practices - Sediment basins are required on sites disturbing greater than 10 acres. Sediment basins ARE different from detention ponds.
  - Permanent Storm Water Controls - Describes control measures placed during construction that will control post construction storm water runoff
  - Other Controls - A list of control measures addressing non-sediment related construction site runoff issues (paints, solvents)

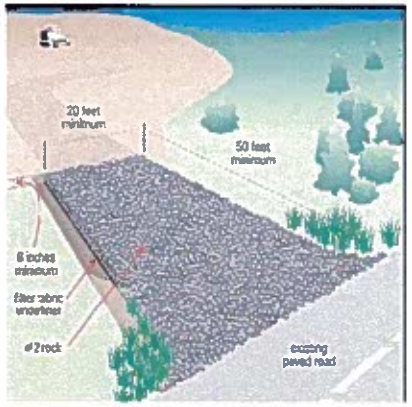
Storm Water Management Plan

- Contents: (con't)
  - Federal, State and Local Plans - required to be in compliance with State, Federal and Local erosion and sediment control plans.
  - Maintenance Schedule - All BMPs require maintenance
  - Inspections - Must be performed either a) once every 7 days, regardless of precipitation OR b) once every 14 days AND after every ½" or greater rainfall event
  - Must performed by a "qualified" individual
  - A report for inspections must be filed with SWPPP
  - Deficiencies noted should be corrected within 7 days
  - Must identify any incidents of noncompliance
  - Once site is stabilized, must be inspected once every month until NOT has been filed

Site Inspections

- Preventing erosion by establishing vegetation (temporary/permanent)

- Construction Entrance/Exits prevents soil tracking from construction sites onto our public streets and storm drains.



Site Inspections

- Strom Drain Inlet Protection helps screen sediment before runoff enters storm system.

- Silt Fencing limits extent of disturbed construction area and provides temporary sediment control.

Site Inspections

- Temporary rock berms provide screening of sediment along drainage channels.

- Soil stockpiles should be placed away from critical areas where sediment might be transported

Failure to Comply

- Notice of Violation (NOV)
  - Based on inspection
  - Issued to operator (contractor) and owner
- Corrective Action
  - If NOV violates Illicit Discharge Detection and Elimination, then owner/operator has 5 days to remedy violation.
  - If NOV violates Construction Permitting and inspection, then owner/operator has 24 hours to remedy violation.
  - If NOV violates Post Construction Strom Water Management, then owner/operator has 10 days to remedy violation.
- Civil Enforcement Action
  - District Attorney will take appropriate steps to remedy the violation to include:
    - Filing of suit for civil penalties up to $1,000 per day per violation.
    - Each day is considered a separate violation.

Contact us

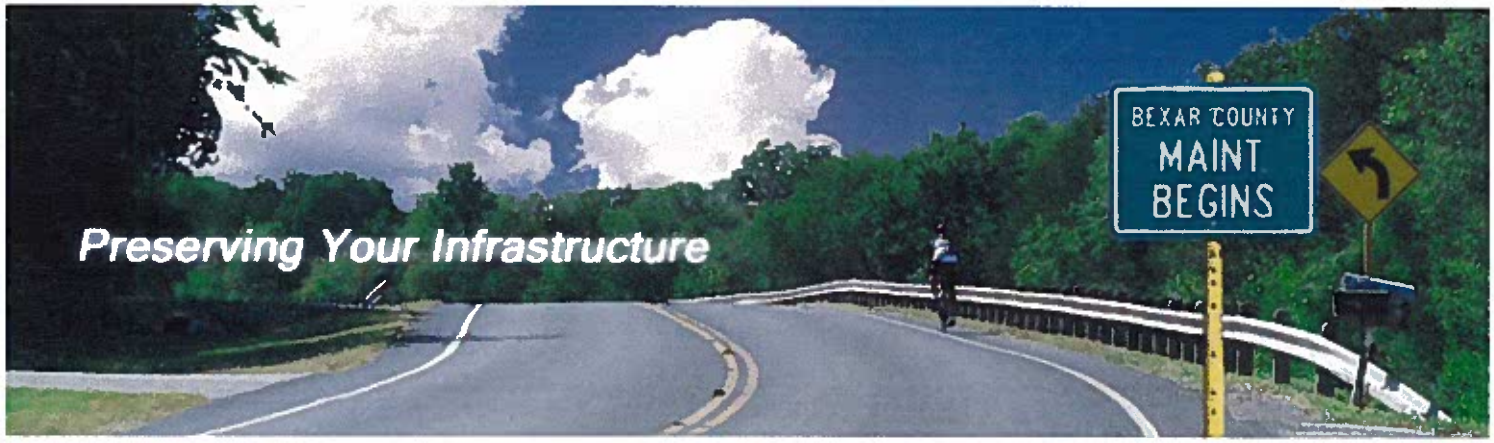
- Bexar County Storm Water Quality Program
  - Website: http://www.co.bexar.tx.us/bcinf/default_Stormwater.asp
  - Email concerns to: swq@bexar.org
  - Staff:
    - Andrew Winter, Environmental Engineer, 335-6487
    - Antonio Leyva, Storm Water Quality Engineer, 335-6523
    - Erin Lowe, Storm Water Quality Engineer Assistant, 335-6664
    - Mike Lara, Storm Water Quality Office Assistant, 335-0822

Contact us

- TCEQ Storm Water Permits for Construction
  - Website: http://www.tceq.state.tx.us/nav/permits/sw_permits.html or http://www.tceq.state.tx.us/permitting/water_quality/stormwater/TXR15whattodo.html
  - Email concerns to: ac@tceq.state.tx.us
  - Phone: 512/239-4671
  - Mailing address:
    Water Quality Division MC-148
    Texas Commission on Environmental Quality
    PO Box 13087
    Austin TX 78711-3087

Bexar County
Storm Water Pollution Prevention

Best Management Practices



Background

- Federal Laws:
  - Rivers and Harbors Appropriation Act (1899)
  - Clean Water Act (1972)
  - Clean Water Act (1987)
- Environmental Protection Agency (EPA) – Categories for Stormwater Discharges into MS4s
  - Phase I (1990)- municipalities above population of 100,000.
  - Phase II (1999) - urban areas less than 100,000.
- Texas Center on Environmental Quality (TCEQ)
  - Issued Phase II general permits for governmental entities on August 13, 2007.
  - Bexar County received general MS4 permits on June 2, 2009
- Bexar County
  - Commissioner's Court approved the SWMP on October 23,2007
  - Federal storm water fee on September 2,2008.

Municipal Separate Storm Sewer Systems (MS4)

- Conveyance or system of conveyances including:
  - Roads with drainage systems
  - Municipal streets
  - Catch basins
  - Curbs
  - Gutters
  - Ditches
  - Manmade channels
  - Storm Sewers
- Goal is to protect our rivers, lakes, and streams (waters of the state and U.S.)

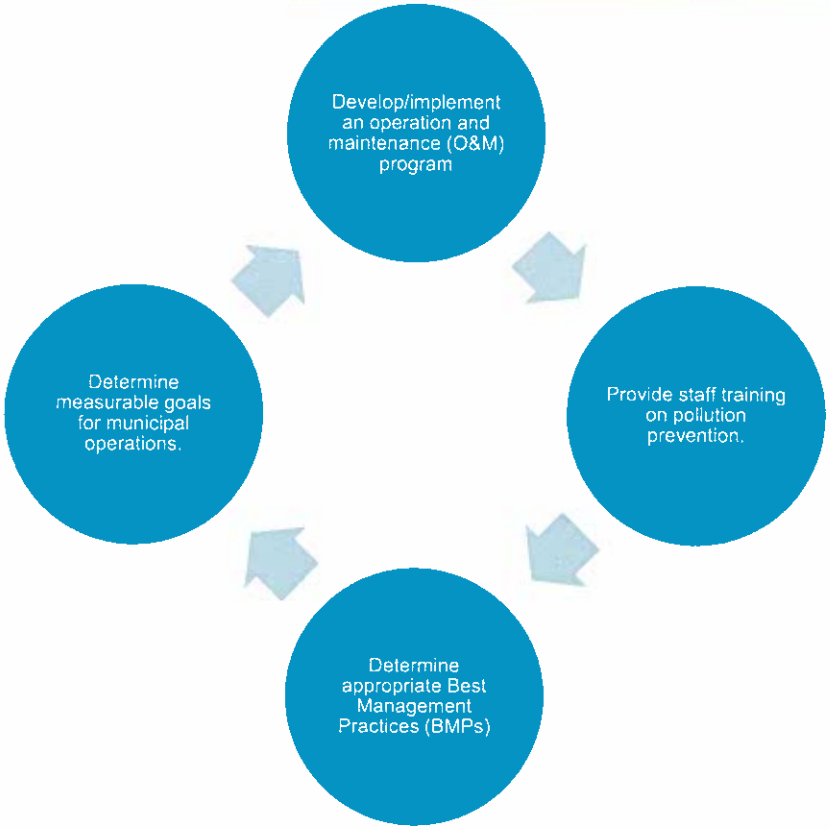
Measurable Goals Guidance for Phase II Small MS4s

- Six minimum control measures (MCMs)
  - Public Education and Outreach
  - Public Involvement and Participation
  - Illicit Discharge Detection and Elimination
  - Construction Inspection and Permitting
  - Post-construction Storm water Management
  - **Good Housekeeping within Bexar County**

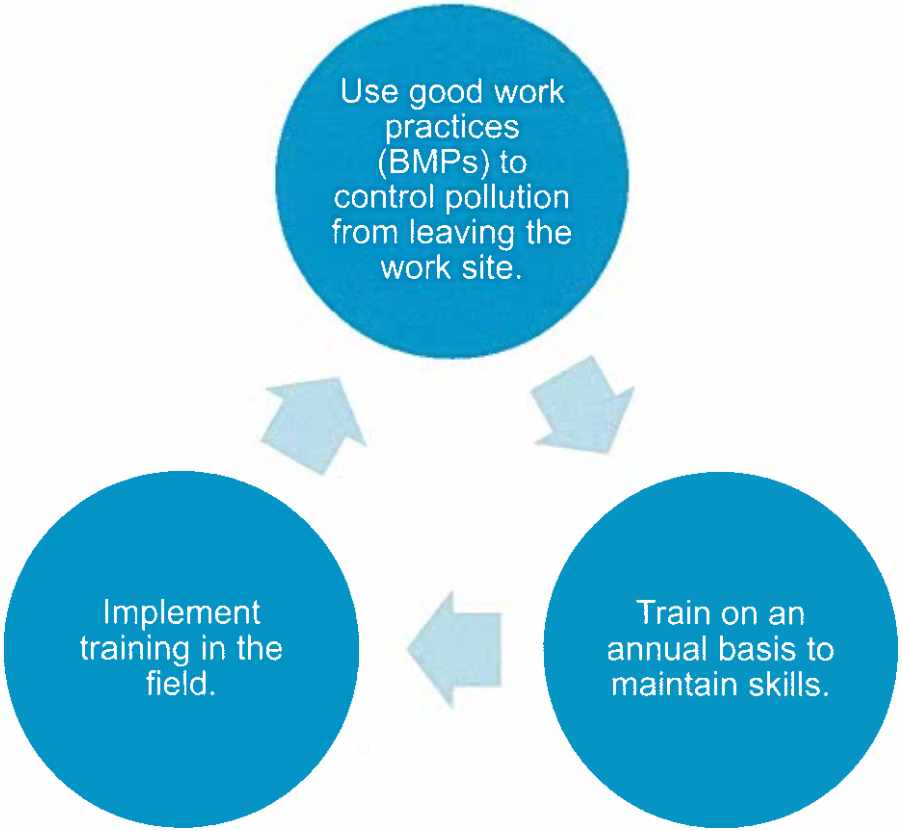
Potential Sources of Pollution

- Materials Storage
- Fueling Island
- Dumpsters
- Vehicle Maintenance/Repair Areas
- Equipment Storage
- Vehicle Washing
- Construction Sites
- Chemical/Battery Storage
- Roof Drains
- Scrap Metal/Auto Parts
- Truck Loading/Unloading

Municipality



Employee


Use good work practices (BMPs) to control pollution from leaving the work site.
Train on an annual basis to maintain skills.
Implement training in the field.

Best Management Practices (BMPs)

- Good Housekeeping
  - Keep your work area neat and orderly.
  - Keep unused containers closed tightly.
  - Use a drip pan temporarily and regularly.
- Outdoor Materials Storage
  - Store materials out of the weather.
  - Cover all materials temporarily
  - Load and unload out of the weather.

Best Management Practices (BMPs)

- Spill Response
  - Never Hose down a spill.
  - Prompt "dry" clean up of spills.
  - Protect storm drains.
  - Dispose of clean-up wastes properly.
- Vehicle and Equipment Fueling and Repair
  - Stay with vehicles while refueling.
  - Move leaking equipment indoors.
  - Use drip pans.

Best Management Practices (BMPs)

- Outdoor Manufacturing and Maintenance
  - Use a drop cloth.
  - Use secondary containment.
  - Clean-up scraps, drips, and residues
- Waste Management
  - Never use storm drains or ditches for waste disposal.
  - Close the lid or cover waste containers.
  - Do not drain secondary containments without approval.

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