

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 Commission 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

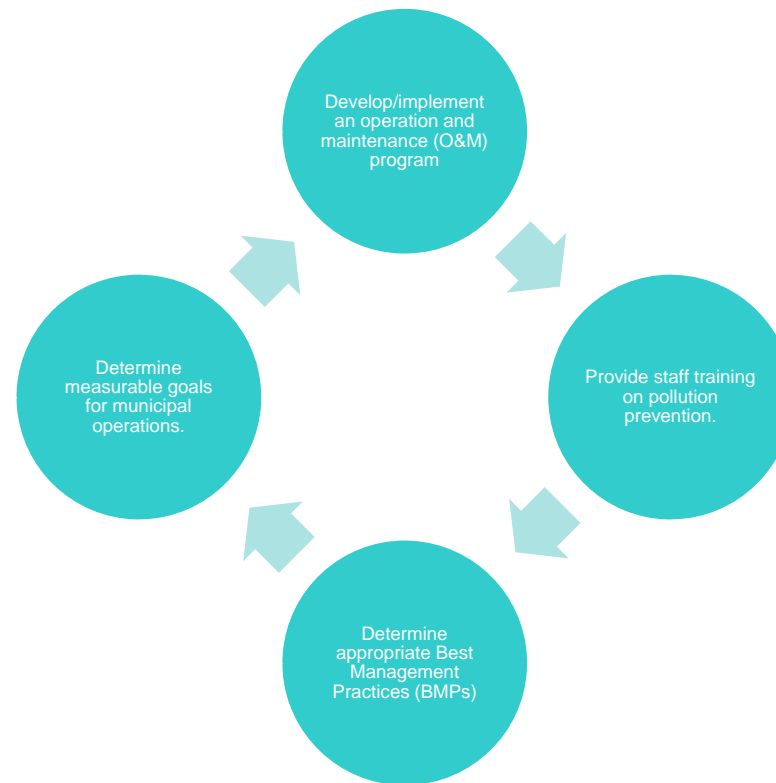
- Six minimum control measures (MCMs)
 - Public Education and Outreach
 - Public Involvement and Participation
 - Illicit Discharge Detection and Elimination
 - Construction Inspection and Permitting
 - Post-construction Storm water Management
 - **Good Housekeeping within Bexar County**

Potential Sources of Pollution

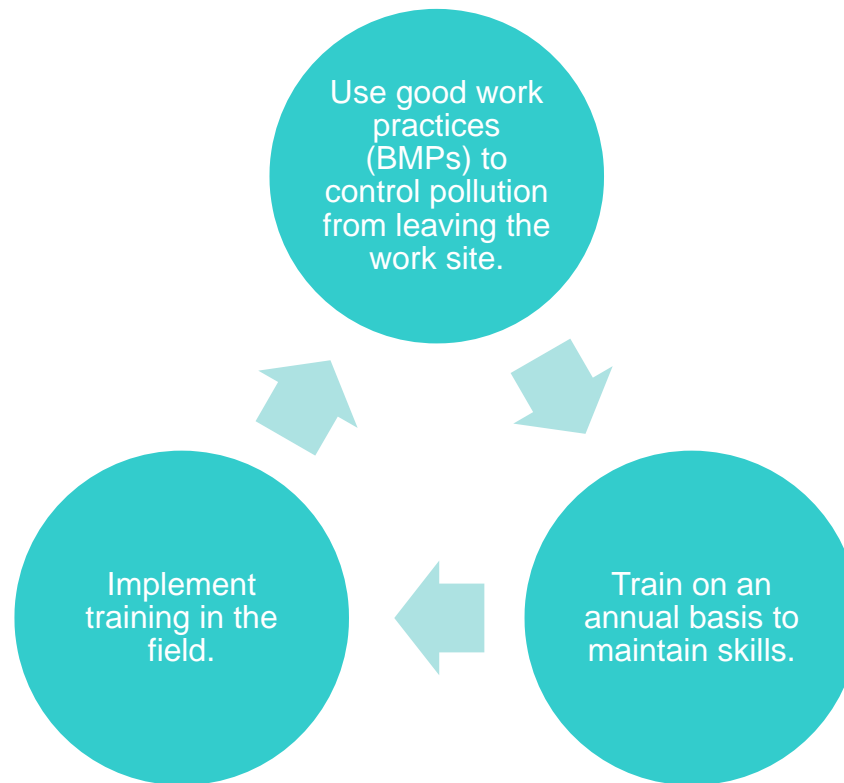
- Materials Storage
- Fueling Island
- Dumpsters
- Vehicle Maintenance/Repair Areas
- Equipment Storage
- Vehicle Washing
- Construction Sites
- Chemical/Battery Storage
- Roof Drains
- Scrap Metal/Auto Parts
- Truck Loading/Unloading



Municipality



Employee



Best Management Practices (BMPs)

- BMP 1: Good Housekeeping
 - Keep your work area neat and orderly.
 - Keep unused containers closed tightly.
 - Use a drip pan temporarily and regularly.
- BMP 2: Outdoor Materials Storage
 - Store materials out of the weather.
 - Cover all materials temporarily
 - Load and unload out of the weather.



Best Management Practices (BMPs)

- BMP 3: Spill Response
 - Never Hose down a spill.
 - Prompt “dry” clean up of spills.
 - Protect storm drains.
 - Dispose of clean-up wastes properly.
- BMP 4: Vehicle and Equipment Fueling and Repair
 - Stay with vehicles while refueling.
 - Move leaking equipment indoors.
 - Use drip pans.



Best Management Practices (BMPs)

- BMP 5: Outdoor Manufacturing and Maintenance
 - Use a drop cloth.
 - Use secondary containment.
 - Clean-up scraps, drips, and residues
- BMP 6: 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.



Contact us

- Bexar County Storm Water Quality Program
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