Implementing NPDES Phase II Permit
What is a Phase II MS4
What is Phase II

- Any MS4 not already covered by Phase 1 program
  - Large to medium MS4s: Population > 100,000
- Can include federally-owned systems
  - Military Bases
- Located in “urbanized areas” (UA)
  - Adjacent to densely settled surrounding (urban fringe)
  - Residential population of at least 50,000
  - Overall population density of at least 1,000 people/ sq. mi.
What is Phase II

BEXAR COUNTY

MS4 JURISDICTION

• Dark Tan = City of SA

• Light Tan = Municipalities

• Beige = Unincorporated Bexar County
Requirements of Phase II
Requirements of Phase II

- Reduce the discharge of pollutants to the “maximum extent practicable” (MEP)
- Protect water quality
- Satisfy the appropriate water quality requirements of the Clean Water Act
Requirements of Phase II

6 Minimum Control Measures (MCMs)
- Public Education and Outreach
- Public Participation/ Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Public Prevention/Good Housekeeping
Implementation of Phase II
Implementation of Phase II

**FUNDING**
- Storm Water Fee
- Only unincorporated area
- Billed through tax bill

**ISSUES**
- Some residents don’t receive a tax bill

<table>
<thead>
<tr>
<th>Unincorporated Area of Bexar County Only</th>
<th>Square Footage</th>
<th>Annual Collection Rate w/ Maintenance Program</th>
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**Site Development Permit Fee**
- Site Disturbance: Greater than 1 Acre
- (One Time Only)
  - $500.00
Implementation of Phase II

- Public Education and Outreach
  - Implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of stormwater discharges on local water bodies and the steps that can be taken to reduce stormwater pollution
Implementation of Phase II

• Public Education and Outreach
  ○ Annual SWQ training of BC employees
  ○ Presentation at public events
  ○ SWQ flyer, illegal dumping flyer
  ○ Channel 21 educational content
  ○ Published website with educational content
Implementation of Phase II

- Public Participation/ Involvement
  - Comply with applicable State, Tribal, and local public notice requirements
Implementation of Phase II

- Public Participation/ Involvement
  - Annual report to Commissioners' Court
  - Attend illegal dumping task force and various other inter-agency meetings and events
  - Neighborhood cleanup events
Implementation of Phase II

Illicit Discharge Detection and Elimination

- A storm sewer system map, showing the location of all outfalls and the names and location of all waters of the U.S. that receive discharges from those outfalls
- Through an ordinance or other regulatory mechanism, a prohibition (to the extent allowable under State, Tribal, or local law) on non-stormwater discharges into the MS4, and appropriate enforcement procedures and actions
- A plan to detect and address non-stormwater discharges, including illegal dumping, into the MS4
- The education of public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste
Implementation of Phase II

• Illicit Discharge Detection and Elimination
  o Hot line (335-8800)
  o OSSF inspections
  o Litter and nuisance abatement
  o Dump Your Junk Program
  o HHW Program
  o Storm sewer maps
  o Inspections of MS4 and monitor water quality
Implementation of Phase II

- Construction Site Runoff
  - Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites
  - Have procedures for site plan review of construction plans that consider potential water quality impacts
  - Have procedures for site inspection and enforcement of controls measures
  - Have sanctions to ensure compliance
  - Establish procedures for the receipt and consideration of information submitted by the public
Implementation of Phase II

- **Construction Site Runoff**
  - Staff training
  - Driveway and utility site inspections
  - Internet service request forms - Cartegraph ([http://inf.bexar.org/yourgov/yourgov.aspx](http://inf.bexar.org/yourgov/yourgov.aspx))
  - Erosion and sediment and onsite waste control regulation
  - Plan review and approval procedures
  - Site inspections
Implementation of Phase II

- **Post-Construction Runoff**
  - Develop and implement strategies which include a combination of structural and/or non-structural BMPs
  - Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law.
  - Ensure adequate long-term operation and maintenance of controls
Implementation of Phase II

- Post-Construction Runoff
  - Maintenance of regional basins
  - Inspection of storm water basins
  - Adopt CoSA criteria manual for SWQ in new development
  - Long term operations and maintenance for Permanent BMPs
Implementation of Phase II

- **Good Housekeeping**
  - Develop and implement an operation and maintenance program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm sewer system.
  - Include employee training on how to incorporate pollution prevention/ good housekeeping techniques into municipal operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance. To minimize duplication of effort and conserve resources, the MS4 operator can use training materials that are available from EPA, their State or Tribe or relevant organizations.
Implementation of Phase II

- Good Housekeeping
  - Pesticide/herbicide management
  - Spill response programs/training/kits
  - Leaf and brush pick-up
  - Fleet maintenance program
Contact

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