

Implementing NPDES Phase II Permit



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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.

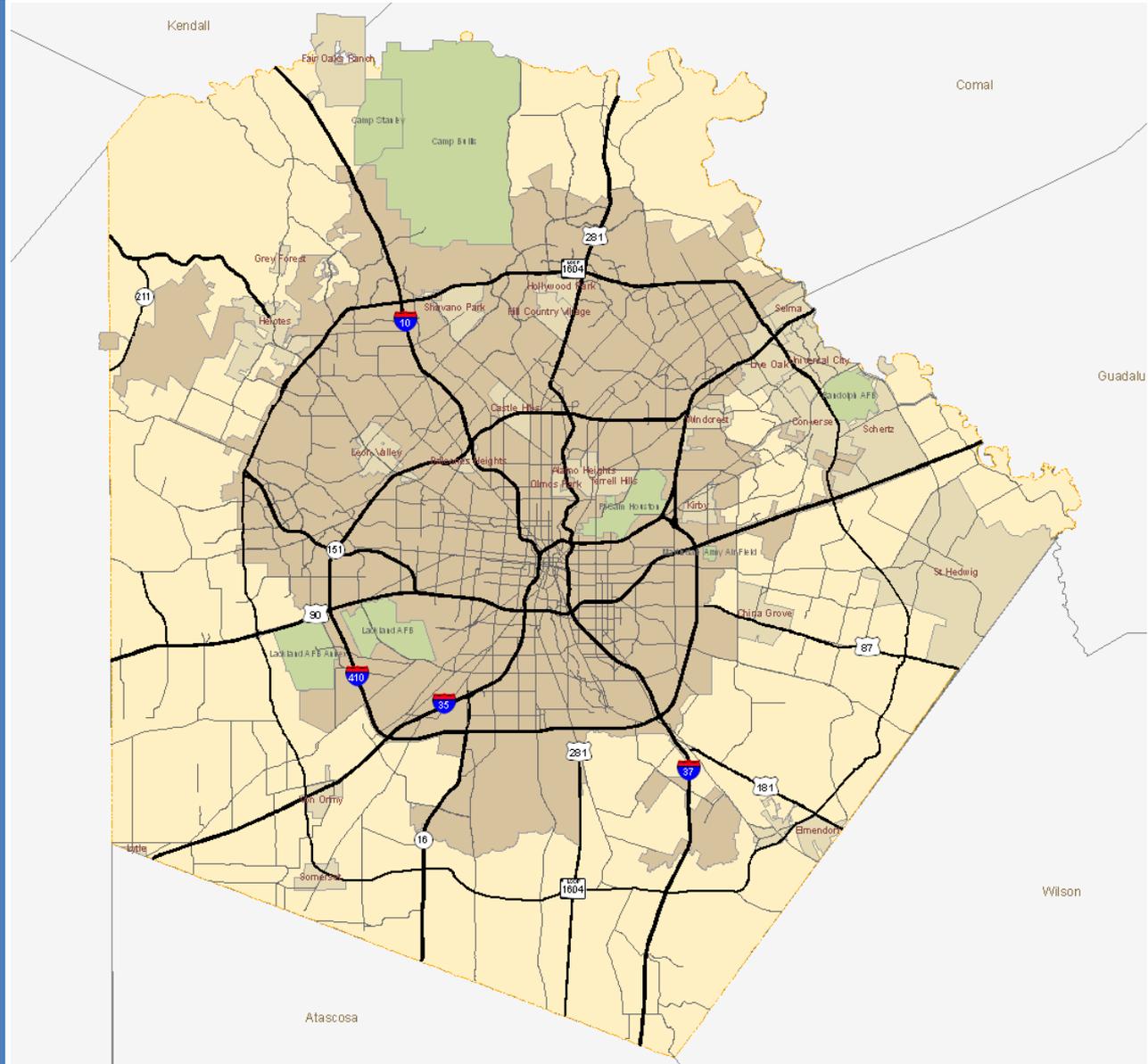


What is Phase II

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

Federal Stormwater Program Cost for Bexar County, Texas				
Unincorporated Area of Bexar County Only		Square Footage		Annual Collection Rate w/ Maintenance Program
		Lo	High	
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	\$ 56.62
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

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**
 - Hot line (335-8800)
 - OSSF inspections
 - Litter and nuisance abatement
 - Dump Your Junk Program
 - HHW Program
 - Storm sewer maps
 - 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>)
- Erosion and sediment and onsite waste control regulation
- Plan review and approval procedures
- Site inspections



Bexar County



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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