

Municipal Separate Storm Sewer System (MS4) Stormwater Program Fact Sheet



NPDES STORMWATER PERMITTING PROGRAM FOR MS4

The NPDES Stormwater Permitting Program for MS4s exists to protect water quality by controlling pollutants carried by urban runoff. Rainwater can pick up debris, chemicals, and sediment from streets and parking lots, which MS4s discharge directly into rivers, lakes, and other waterways. The program requires municipalities to develop stormwater management plans, monitor water quality, and implement practices that reduce pollution. By doing so, it safeguards public health, preserves aquatic ecosystems, and promotes sustainable urban development.

KEY ELEMENTS OF A MS4 STORMWATER PROGRAM

- Develop, implement, and routinely update a Stormwater Management Program (SWMP) in compliance with FDEP NPDES MS4 permit requirements.
- Implement, maintain, and inspect best management practices (BMPs) across municipal operations, including streets, parks, utilities, fleet/yard facilities, and high-risk areas.
- Conduct monitoring, inspections, and dry-weather screenings to identify and address illicit discharges and ensure BMP effectiveness.
- Provide public education, outreach, and clear signage on stormwater pollution prevention, tailored for Florida communities.
- Train municipal staff and contractors on stormwater pollution prevention, spill response, and BMP maintenance.
- Maintain comprehensive documentation of inspections, maintenance, corrective actions, training, spills, and monitoring.
- Maintain thorough documentation of inspections, corrective actions, maintenance, training, spills, and monitoring to support annual reporting to FDEP.

GOOD HOUSEKEEPING PRACTICES

- Implement good housekeeping practices at all municipal facilities, including proper handling, storage, and disposal of hazardous materials and waste.
- Maintain BMPs in good condition through routine inspection, cleaning, and maintenance.
- Minimize exposure of materials to precipitation using covered storage, enclosed areas, or containment pads, and use secondary containment where needed.
- Promptly report and clean up spills on-site or within the MS4 system, ensuring compliance with state and local regulations.
- Dispose of wastes regularly and properly, including street sweeping, catch basin cleanouts, and facility-generated wastes, in accordance with state and local requirements.

DOCUMENTATION, MONITORING, REPORTING

- Maintain logs for inspections, maintenance, corrective actions, staff training, spills, and monitoring activities required by the MS4 permit.
- Conduct required visual monitoring and, where applicable, collect and evaluate samples from representative outfalls to assess program effectiveness.
- Use monitoring and inspection findings to refine BMPs, update procedures, and prioritize improvements in the Florida MS4 stormwater program.
- Compile and retain records needed to complete accurate and timely Annual Reports to FDEP.

KCI AT A GLANCE

We are a 100% woman owned business - certified as a Minority Woman Business Enterprise (M/WBE) throughout Florida.

We work with contractors, industrial facilities, and government municipalities that need assistance tackling tough environmental issues.



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