

# MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)



MS4 PERMIT COMPLIANCE

MS4 AUDIT ASSISTANCE

STORM WATER MANAGEMENT  
PROGRAM DEVELOPMENT (SWMP) AND  
IMPLEMENTATION FOR MS4s

STORM WATER POLLUTION PREVENTION  
PLANS (SWPPP) FOR MUNICIPAL FACILITIES,  
PRIVATE DEVELOPMENT OR CONTRACTORS

SPILL CONTROL AND COUNTERMEASURE  
PLANS (SPCC) FOR MUNICIPAL FACILITIES  
OR INDUSTRIAL SITES

**We're here to keep you compliant and your community environmentally clean.**

## **YOUR CHALLENGE.**

Due to increased regulation from EPA, many entities are struggling to maintain compliance with Section 402 of the Clean Water Act which established the (NPDES) National Pollutant Discharge Elimination System. Under the NPDES, Publicly Owned Treatment Works (POTW's), construction sites, industrial sites and municipalities are required to meet established storm water quality standards.

In many cases it is the responsibility of the entity and its departments to oversee and enforce NPDES regulations within its jurisdiction. Typical items that are required by EPA for a municipality or other public entity to oversee for storm water quality standards include, but are not limited to: structural controls and collection system operation and maintenance, post-construction storm water management for new developments, roadways, flood control projects, control of illicit discharges into the drainage system, and construction site runoff.

Failure to comply with Section 402 of the Clean Water Act puts municipalities, industries, contractors and other users at risk of heavy fines. Administrative orders, civil penalties, and even criminal violations can be issued with maximum fines of \$16,000/day for serious violations.

## **YOUR SOLUTION.**

DE has experience with small and large MS4s in all aspects of storm water management. Our team of storm water professionals has assisted MS4s in developing and implementing their storm water management programs as well as assisting them to navigate regulatory measures such as state and federal audits and compliance agreements.

Our team members are licensed Professional Engineers in both Louisiana and Mississippi which allows us to develop and produce SPCCs for High Risk Facilities that require the stamp of a PE. We also develop SWPPPs for municipal facilities, areas of new development or construction sites.

DE's engineers are actively involved in numerous storm water organizations, have participated in storm water industry training seminars and conferences, and have obtained *Certified Professional in Municipal Storm Water Management* credentials.

DE has utilized our education and experience to conduct storm water management training workshops for our clients that include topics such as *Strategies for Storm Water Control at Construction Sites* and *Industrial and High Risk Facility Inspection Program*.

# ASSISTING CLIENTS WITH MS4 SOLUTIONS

## SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLANS (SPCC)

DE prepares SPCCs in compliance with US EPA 40 CFR Part 112.

Our team has completed SPCCs for municipal facilities such as wastewater treatment plants, water treatment plants, drainage pump stations, landfills, municipal operations buildings, emergency centers and correctional facilities.

With Louisiana and Mississippi licensed Professional Engineers, DE can certify SPCCs for facilities with above-ground storage greater than 10,000 gallons.

## STORM WATER POLLUTION PREVENTION PLANS (SWPPP)

DE prepares SWPPPs in compliance with the appropriate DEQ Water Discharge Permit.

Our team has completed SWPPPs for municipal facilities such as trash drop-off facilities, wastewater treatment plants, water treatment plants, drainage pump stations and landfills.

DE's team is experienced in municipal and commercial construction and can develop SWPPPs for residential, commercial, and municipal projects.

## STORM WATER MANAGEMENT PLANS (SWMP)

A SWMP is developed by reviewing an entity's existing resources and identifying procedures and programs that need to be developed in order to comply with DEQ regulations.

DE has developed programs such as construction site storm water inspection, public education and outreach on storm water impacts, public involvement and participation, illicit discharge detection and elimination, post-construction storm water management in new development and pollution/good housekeeping for municipal operations.

## ANNUAL REPORTS

Operators of MS4s are required to submit annual reports with updates on all aspects of the Storm Water Management Program to the regulatory authority. Storm water activities take place across all municipal departments and the amount of information to gather can be overwhelming. DE knows what to look for and will work with your team to ensure that complete reporting data is submitted. Rather than a burden, your annual report will be a showcase of the work you've done. Our team has prepared MS4 annual reports for nearly two decades for both small and large municipalities.

## PERMIT APPLICATIONS/ COMPLIANCE

DE can help entities obtain permit coverage or identify and implement strategies to bring programs into compliance with existing permits. We have prepared permit applications for large MS4s, small MS4s and MS4 co-permittees.

Our team has also worked with multiple entities facing compliance orders and penalties from regulatory authorities. When regulatory enforcement is threatened or imminent, we can quickly evaluate programs and deficiencies to assist the client in working with authorities to minimize penalties and obtain full permit compliance.

## ORDINANCES

DE can assist cities, parishes and other entities with developing codes, ordinances and regulations that meet EPA and DEQ requirements for management of storm water within their jurisdiction.

DE's team has performed code and ordinance audits for cities and parishes throughout the region to help clients assess their storm water regulatory authority. We work with our clients to identify storm water management goals, develop codes and ordinances to meet those goals and assist with educating and training key stakeholders to ensure successful implementation of regulations.

## DESIGN STANDARDS

DE's team of planning and design professionals has assisted various entities with development of storm water design standards for implementation throughout their jurisdictions.

We have intimate knowledge of storm water regulations, engineering practices and construction methods. DE is experienced in both designing site-specific storm water management infrastructure as well as development of design standards and standard engineering details that have been implemented at the city-wide scale.

## TRAINING

DE's team is experienced in all facets of storm water management and we are passionate about sharing that knowledge with our clients.

Our team can provide regulatory training to administrators, plan review training to staff and inspection training to inspectors.

With our experience in all storm water management sectors, we can develop training programs to meet your specific needs.