

Stormwater Manual and MS4s

What is required of a Local/Municipal Storm Water Management Program?



Presented by:

The Rhode Island Department of Environmental Management

Small MS4 Permit: 6 Minimum Measures

- **Public Education and Outreach**
- **Public Involvement/Participation**
- **IDDE**
- **Construction Site Storm Water Runoff Control**
- **Post Construction Storm Water Management in New and Redevelopment**
- **Pollution Prevention and Good Housekeeping in Municipal Operations**

Post-Construction Programs

- Ordinance outlines the authority to require post-construction storm water management to prevent or minimize water quality impacts through structural and non-structural BMPs that manage Peak Flows, treat Water Quality, and Reduce Volume.
 - Applicable to activities > 1 acre
 - Applicable to discharges to the MS4
- Program must require the permittee to-
 - Apply for permit/approval
 - Design/Construct controls consistent with RI Storm Water Design and Installation Manual
 - Operate and Maintain BMPs

Post-Construction Programs Cont'd

- Your MS4 Plan must discuss –
 - Specific goals of the local program (e.g. promote groundwater recharge, reducing impervious surfaces, minimize water quality impacts, maintain pre-development runoff conditions,
 - Pre-application meetings
 - Permit issuance and tracking
 - Site Plan and BMP reviews
 - Inspections
 - Enforcement
 - Requirements for Long-term O&M of BMPs
 - Coordination of State and Local Programs

On-going Coordination of State and Local Programs

- local program can accept reviews from State Programs
 - CRMC, RIDEM FW Wetlands, RIDEM Water Quality Certification.
 - RIDEM RIPDES Program sites >5 acres or >1 acre if facility is also an “industrial activity”.
- local program can be applied throughout jurisdiction and to direct discharges to a Waters of the State
- referral of activities jurisdictional to State Programs, activities non-compliant with State issued permit, activities meeting definition of Industrial Activities, and requests for enforcement assistance for non-compliant permittees.

Qualifying Local Programs (QLP's)

- RIPDES Rules 15.01(i) define QLP
- 2003 MS4 Permit requires municipalities to develop a QLP for Construction and Post-construction and begin implementation by 2005.
- RIDEM RIPDES 2008 General Permit for Construction Activity includes conditions that incorporate RIDEM approved QLP's

Why QLP's ?

- Ensure consistency between State and local programs
- Requirements can be tailored to address local issues
- Local oversight more effective than just State oversight
- Protect local infrastructure and prevent introduction of pollutants into the local storm sewers and drainage system
- Streamline duplicative permitting requirements
- Reduce permit fees

Designation as a QLP

- Program must be consistent with RIPDES Rules and Small MS4 General Permit
- Approved and designated by State

O&M for MS4s

- Ensure long-term O&M of the selected BMPs, for private and public BMPs ,
- O&M responsibilities are clearly identified include an agreement between the operator and another party such as the post-development landowners or regional authorities.
- Procedures tracking required O&M actions for site inspections and enforcement of the O&M of structural BMPs.
- Develop a program to identify existing storm water structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.

O&M for MS4s

- Procedures for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area.
- The operator must develop a maintenance schedule for inspection and maintenance of BMPs. The maintenance program must at a minimum incorporate all permit requirements and maintenance specifications of the particular BMP.
- The operator must maintain records on inspections and maintenance performed on structural BMPs.

O&M in the new manual

- Minimum Standard 11
- Appendix A – SWPPP checklist
- Appendix E – Maintenance Plans and Model Agreement

MS4 Permit Reissuance

- Existing permit expired and administratively continued
- Goal of effective date of new permit December 2009
- Stakeholder Meetings in August and September
- Public Workshop in October
- Public Notice and Comment period November

Significant Issues

- Incorporating LID in the local planning and ordinances
- Coordination of State and Local Permitting Programs – designating QLPs
- Ensuring Maintenance of BMPs

Next Steps

- Finalize RI Storm Water Design and Installation Manual
- Reissue MS4 General Permit
- Improve coordination between State and local programs
- Provide technical training and workshops for municipal officials
- Identify and designate QLPs

Ongoing efforts

- SWMPP Development/Annual Reporting/Asset Management Grant
- RIDOT Grant/URI NEMO Public Education and Outreach Materials
- Development of model ordinances and LID Guidance for municipalities
- Permit Streamlining/Coordination of State and Local Programs
- Construction ERP – OTCA and OWR

RIPDES

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