

RIPDES Phase II Storm Water Program MS4 General Permit Re-Issuance



Presented by:



Rhode Island Department of Environmental Management

Office of Water Resources

RIPDES Section

RIPDES Phase II Storm Water Program

MS4 General Permit Re-Issuance

- First five years of Phase II
 - Regulated Communities
 - Outside of Urbanized Areas and Densely Populated Areas
 - Major Requirements of 2003 MS4 General Permit

- 2010 MS4 General Permit
 - Schedule for Re-issuance
 - Workshops
 - Changes to Permit

Phase II - Rhode Island Regulated MS4s

Rule 31(a)(5)

- Municipalities were automatically designated if their small municipal separate storm sewer system (MS4) was located either completely or partially within an urbanized area (UA) or densely populated area (DPA)
- Federal, State, and Quasi-State facilities serving an average daily population of equal to or greater than 1,000 persons regardless of location
- Department of Transportation (DOT) MS4s in UAs, DPAs, and areas qualifying as divided highways
- MS4s designated on a case by case basis

**THIRTY NINE (39)
MUNICIPALITIES IN RHODE ISLAND**

**THIRTY FOUR (34)
Located completely (C) or
partially (P) in Urbanized
Areas, or Densely Populated
Areas or TMDL designated**

**FIVE (5)
MUST DEMONSTRATE
PROTECTION OF
SRPWS
(Outside of Urbanized
Area)**

**Barrington (C)
Bristol (C)
Burrillville (P)
Central Falls (C)
Charlestown (D)
Coventry (P)
Cranston (C)
Cumberland (C)
East Greenwich (P)
East Providence (C)
Exeter (P)
Glocester (P)
Jamestown (P)
Johnston (C)
Lincoln (P)
Middletown (P)
Narragansett (C)**

**Newport (C)
North Kingstown (P)
N. Providence (P)
N. Smithfield (P)
Pawtucket (C)
Portsmouth
Providence (C)
Scituate (P)
Smithfield (C)
S. Kingstown (P)
Tiverton (P)
Warren (C)
Warwick (C)
Westerly (P)
West Greenwich (P)
West Warwick (C)
Woonsocket (C)**

DESIGNATION

**FOSTER
LITTLE COMPTON
HOPKINTON
NEW SHOREHAM
RICHMOND**

Non-Traditional MS4s

7 Non-traditional MS4s

- CCRI Warwick
- CCRI Lincoln
- Newport Navy Station
- Pastore Complex
- RIDOT
- RIEDC
- URI

Outside UAs and DPAs

Rule 31(a)(5)

- On or after March 10, 2008, the small MS4 discharges to any Special Resource Protection Waters (SRPWs), Outstanding National Resource Waters (ONRWs), or impaired water bodies within its jurisdiction and a waiver has not been granted in accordance to Rule 31(g)(5)(iii).

Measurable Goals – 2003 MS4 General Permit Requirements

■ Public Education

28 of 41 permittees committed to URI's NEMO

4 participated but did not commit to program. TOTAL participants: 25

8 Workshops were held (2007-2009)

- Inform the community on how to become involved in the storm water program

■ Public Involvement

- Types of public involvement activities in the program
- Target audiences and description of the groups engaged
- Public notice of the draft Annual Report and provide the opportunity for public comment

Measurable Goals – 2003 MS4 General Permit Requirements

- Illicit Discharge Detection and Elimination (IDDE)
 - Development of Outfall map showing the location of all outfalls and names of receiving waters (30 completed)
 - Development and adoption of ordinance to prohibit and enforce IDDE (25 adopted)
 - Inspection of all catch basins and manholes for illicit connections (26 completed)
 - Completion of two dry weather surveys (11 completed both, 13 only one, 16 – none)
 - Tracing and elimination of sources of identified illicit discharges followed by evaluation
 - Record and track all IDDE actions taken

Measurable Goals – 2003 MS4 General Permit Requirements

■ Construction

- Development and adoption of ordinance to require erosion and sediment controls and control of other wastes for construction sites ≥ 1 acre (25 adopted)
- Review 100% of plans and SWPPP's for construction projects 1-5 acres (31 implementing)
- Issuance and tracking permits for sites ≥ 1 acre
- Inspection 100% of all construction projects that discharge or have the potential to discharge to the MS4 (31 implementing)

Measurable Goals – 2003 MS4 General Permit Requirements

■ Post-Construction

- Ordinance to address post-construction runoff from new development and redevelopment (requirements for proper installation and O&M of structural BMP's, requirements and standards for non-structural BMP's) (23 adopted)
- Review 100% of plans for post-construction BMPs for construction projects \geq 1 acre (33 implementing)
- Inspect 100% of all development \geq 1 acre that discharge or have the potential to discharge to the MS4 (33 implementing)

Measurable Goals – 2003 MS4 General Permit Requirements

- Pollution Prevention and Good Housekeeping
 - Identify, locate and describe all structural BMP's owned/operated by the small MS4 operator (33 implemented)
 - Inspect and clean BMPs
 - Annual catch basin inspection and cleaning (26 implementing)
 - Sweeping all streets and roads within the regulated area annually (40 implementing – 100% compliance)

Permit Changes Issues for Discussion

- Changes to the format of the General Permit
- Changes to 6 Minimum Measures Workshops
 - Public Education and Outreach – define actions to meet program
 - Public Involvement – Public Notice
 - Construction – QLP determination
 - Post-Construction – Use of LID
 - IDDE – Guidance and Prioritization for the elimination of illicit discharges, Mapping of Infrastructure
 - Pollution Prevention – O&M of BMPs

Permit Changes

- TMDL Language Changes – clarify requirements after TMDL becomes finalized
- Record-keeping and Reporting Changes – more detailed
- Should Rhode Island follow EPA approach?
Do we follow EPA Region I requirements?
Do we instead include requirements that will be consistent with Rhode Island's first permit term?

Region I – EPA's Draft Permit Requirements

TMDL and Non-TMDL areas

- Elimination of detected illicit discharges no later than 6 months after confirmation
- Mapping of system, including pipes, CB, interconnection and other structures (2 years)
- Dry weather and Wet Weather monitoring and sampling of outfalls and MS4 junction interconnections
- Shall be sampled and analyzed for: conductivity, turbidity, pH, chlorine, temperature, surfactants, potassium, ammonia and E coli or enterococcus
- SWPPPs prepared for Maintenance garages, public works facilities, transfer stations, and other waste handling facilities

EPA's Draft Permit available at:

http://www.epa.gov/region1/nodes/stormwater/draft_manc_sms4gp.html

MS4 General Permit Re-Issuance Schedule

- March to April - 3 Workgroup meetings
Public Education - Public Involvement Workshop
MARCH 12, 2010 9:00 am
Room 300, 3rd floor, RIDEM Headquarters
- May 2010 – Draft finalized
- May 2010 – June 2010 Public Comment Period
- June 2010 – Response to Comments / Permit Signed
- July 2010 - Permit Effective, NOI and new SWPPP submittal

Who to contact?

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RIPDES Storm Water Program Website:

www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/index.htm