



**Department of  
Environmental  
Conservation**

# **NYSDEC MS4 General Permit Updates**

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# Outline

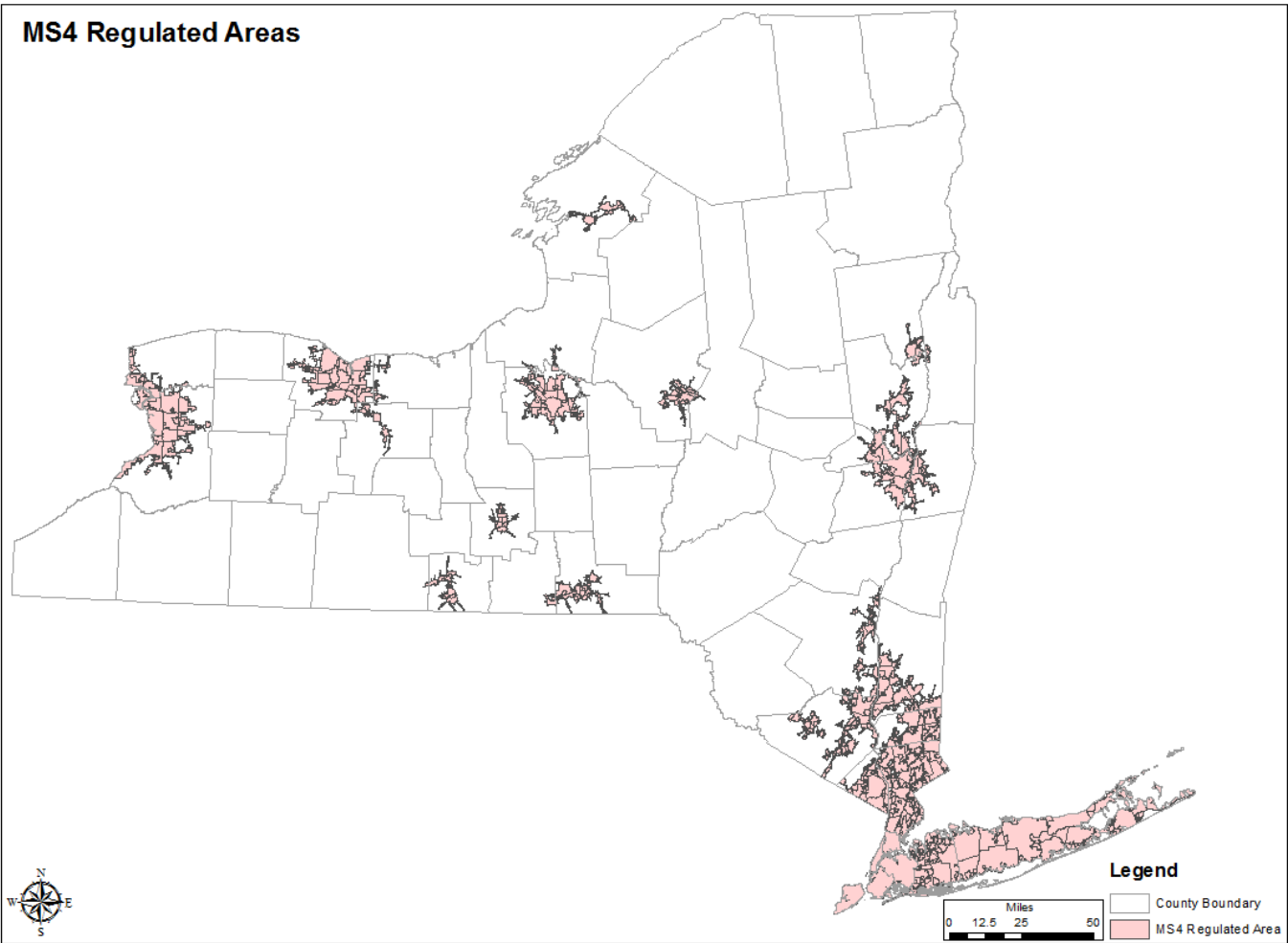
- Background
  - MS4 General Permit
  - EPA Remand Rule
  - SWMP Plan Items
- Interim Progress
- Next Steps

# Background

# MS4 General Permit

- Authorizes the discharge of stormwater from municipal separate storm sewer systems (MS4) located within designated urbanized area to surface waters of the State
- Automatic Designation
  - A population of at least 50,000
  - An overall population density of at least 1,000 people/square mile
- Additional Designation
  - TMDL and Sensitive Waters
  - Construction Site Stormwater Runoff Control and Post Construction Stormwater Management Controls extension

### MS4 Regulated Areas



# MS4 Permit

- Permit Term – 5 years
- 2016 Draft
  - Draft Public Comment Began – October 30, 2016
  - Comment Period Ended – February 3, 2017
  - Considerations
- Current MS4 Permit
  - Permit SAPA Extended since April 30, 2017



# EPA Remand Rule

# EPA Remand Rule

- Final Rule Effective December 6, 2016
- Permitting Authority Choice
- General Permit Requirements
  - Reduce Discharge of Pollutants to Maximum Extent Practicable (MEP)
  - Protect Water Quality
  - Satisfy Water Quality Requirements of CWA
  - Clear, Specific, and Measurable Requirements





# Stormwater Management Program (SWMP) Plan Items

- Mapping
- MCM 1 – Public Education and Outreach
- MCM 2 – Public Involvement and Participation
- MCM 3 – Illicit Discharge Detection and Elimination (IDDE)
- MCM 4 – Construction Site Stormwater Runoff Control
- MCM 5 – Post-Construction Stormwater Management
- MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations



# Interim Progress

# 2019 Draft

- Considerations
  - Comments Received from 2016 Draft
  - Stakeholder Workgroup Series, Fall 2018
- Edits



# Mapping

# Mapping

- Readily available mapping components:
  - Regulated area boundaries;
  - Names and location of all surface waters;
  - Land use;
  - Roads; and
  - Topography.
- Reorganized infrastructure mapping into three phases



# Mapping – Phased Approach

## Phase I (3 years):

- Location of all outfalls with prioritization
- Areas of concern
- Municipally-owned post construction stormwater management practices
- Municipal facilities

## Phase II (5 years):

- MS4 infrastructure information, including:
  - Conveyance: closed pipe and open drainage
  - Structures: drop inlets, catch basins, and manholes
  - Structure description
- Privately-owned post construction stormwater management practices which drain to the MS4

## Phase III (8 years):

- Additional stormwater structure information
- Sewersheds
- Location of interconnections



# Public Education and Outreach (MCM 1)

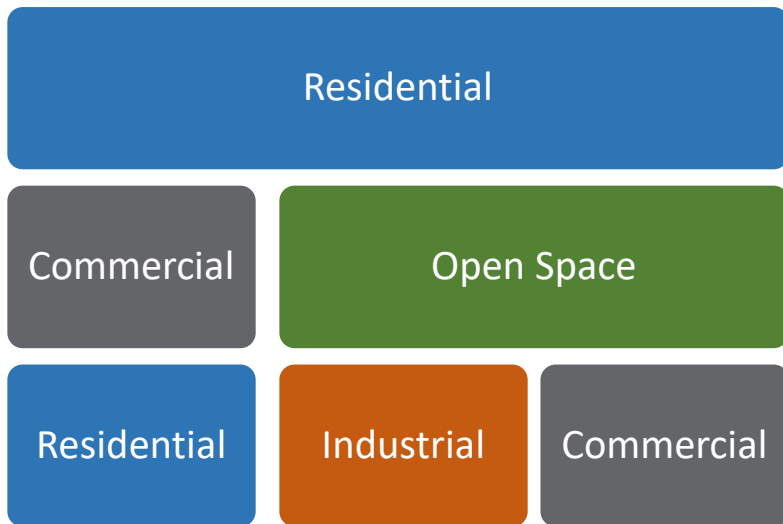
# Areas of Concern

- Identify where pollutant generating activities are occurring to target education and outreach efforts
  - Areas contributing to waterbodies of significant value;
  - Areas where construction activities are occurring;
  - Residential, commercial, and industrial areas;
  - Areas with illicit discharges; etc.
- Define target audience and educational goals





# Example: Public Education



## Area of Concern:

- Residential Neighborhood

## Target Audience:

- Residents

## Educational Goals:

- Use of fertilizer;
- Car washing;
- Pet waste; etc.



# Pollution Prevention and Good Housekeeping (MCM 6)



# Facility Classification and SWPPPs

## Facility Classification

- High vs. Low Priority Facilities
  - Based on activities at the site rather than facility type
    - Chemicals;
    - Fueling stations;
    - Use of fertilizers; etc.

## SWPPPs for high priority facilities

- Stormwater pollution prevention team;
- Site description;
- Pollutant sources;
- Spills and releases;
- Site map; and
- Best management practices (BMPs).



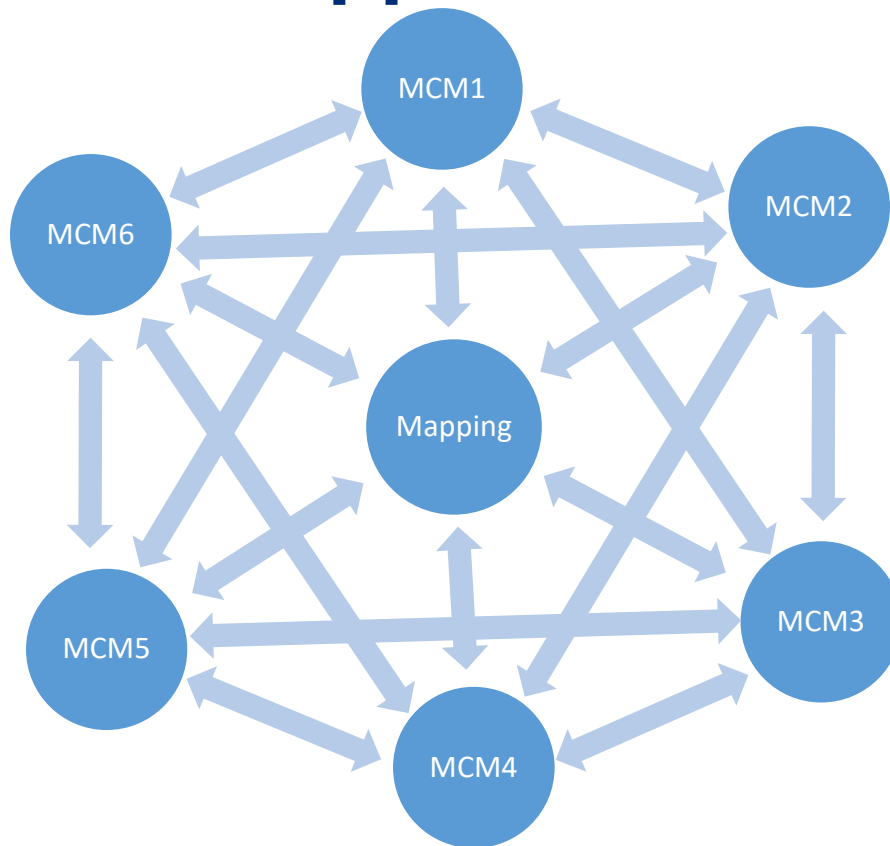
# Catch Basin Inspection and Maintenance

- Document and implement a plan so catch basins are
  - Cleaned when necessary
  - Information is documented
- Development of a priority assessment for catch basin maintenance
  - Re-inspection
  - Analyze inspection findings for trends to optimize program





# The Collaborative Approach



# Next Steps

# Funding

## Water Quality Improvement Project (WQIP) Program

- Up to \$500k for mapping applications
- Up to \$600k for vac truck applications





# Contact Information

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