CT’s MS4 permit:
What to do in Year 3

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Where you ‘should’ be...

**Year 2 - Existing**
- ✔ Outfalls mapped
- ✔ Construction legal authority
- ✔ SW pond maintenance plan

**Year 2 - New**
- ✔ Training program for employees
- ✔ IDDE written program
- ✔ IDDE legal authority
# Ongoing tasks

## Public outreach

### IDDE
- Citizen reports
- Record illicit discharge
- Maintain inventory of SSOs

## Public involvement

## Construction & Maintenance

### Stormwater
- Track DCIA

### Housekeeping
- Sweep streets at least 1x per year
- Use best stormwater management practices on municipal property
- Keep log of catch basin inspections & cleanings
- Implement deicing material SOP
### Year 3 tasks

#### Existing MS4
- Baseline DCIA
- Retrofit Plan
- Monitoring
- System mapping
- Inspect all priority area catch basins

#### New MS4
- Baseline DCIA
- Inspect all priority area catch basins
- Map outfalls
- Construction legal authority
- SW pond maintenance plan
Baseline DCIA

Connecticut MS4 Data

- 2016 CT Stormwater Impaired Rivers
- 2016 CT Stormwater Impaired Lakes
- 2016 CT Stormwater Impaired Estuaries
- IC by Basin
- IC by Town
- CT - Urbanized Areas
- Surface Water Quality Classifications (Line)
- Surface Water Quality Classifications (Polygon)
- CT MS4 Towns
- DEEP - Aquifer Protection Areas
- Natural Diversity Database Area
- Open_Space - Parcels for Protected Open Space Mapping

Layers and findings:
- Total Impervious Cover (acres): 18.73
- Total Impervious Cover (%): 2
- Buildings IC (acres): 3.24
- Other IC (acres): 8.53
- All Roads IC (acres): 6.97
- State Roads IC (acres): 0.00
- Non-State Roads IC (acres): 6.97
- IC Buildings (%): 0
- IC Other (%): 1
- IC All Roads (%): 1
- State Roads IC (%): 0
- Non-state Roads IC (%): 1
- Total IC (acres), excluding state roads: 18.73
- Total IC (%), excluding state roads: 2

Zoom to
Retrofit Plan

• ID sites that could work
  Consider prioritizing priority area

• Aim for 2% reduction
IDDE baseline monitoring

1. Is the outfall in a Priority Area?
   - No → Done
   - Yes → Did you classify it as problem outfall?
     - Yes → Begin Catchment Investigation Procedure
     - No → Did you classify it as a high or low priority outfall?
       - Yes → Conduct dry weather IDDE screening
       - No → Do not need to screen this outfall
          - Yes → If flow present, did sampling indicate sewer input?
          - No → Done
System Mapping

Required in Priority Areas:

• Outfalls* & receiving waters
• Interconnections
• Catch basins
• Pipes
• Open channel conveyances
• Manholes
• Municipally-owned stormwater treatment structures
• Don’t need to map catchment areas!
Inspect Catch Basins

- In priority areas this year
- Remaining catch basins by 2022
- Clean when more than 50% full
- Mitigate sources for problem catch basins
Year 3 tasks

Existing MS4

- Baseline DCIA
- Retrofit Plan
- Dry weather screening
- System mapping
- Inspect all priority area catch basins

New MS4

- Baseline DCIA
- Inspect all priority area catch basins
- Map outfalls
- Construction legal authority
- SW pond maintenance plan
Thank you!

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