Countywide NPDES Partnership
IAFSM Conference
Background

DuPage County, IL

- Located just west of Chicago/ Cook County
- Population: 926,000 (2\textsuperscript{nd} most populous in IL)
- 336 square miles
Who Are We?

Stormwater Management in DuPage County

• Countywide program established in 1989
• Guided by the Stormwater Management Planning Committee & Plan
• Enforce the Countywide Stormwater Management & Floodplain Ordinance
• Flood Control Facilities have a floodwater capacity of nearly 6 billion gallons

Programs

• Watershed Management
• Water Quality
• Floodplain Mapping
• Regulatory Services
• Flood Control Operations & Maintenance
Water Quality Program

Major Programs

- NPDES Permit Compliance
- Water Quality Improvement Program Grant
- Water Quality Projects
- Storm Sewer Atlas
- Spill Response
Countywide NPDES Partnership

Over 40 MS4s in DuPage County
- Municipalities, Townships, County

Major Watersheds
- East Branch DuPage River
- West Branch DuPage River
- Salt Creek

Partial Watersheds
- Des Plaines River, Fox River, DuPage River mainstem
Countywide NPDES Partnership

What is Watershed-Based NPDES Permitting?

“Consideration of watershed goals and impact of multiple pollutant sources and stressors, including nonpoint source contributions”

“The ultimate goal of watershed-based NPDES permitting, however, is to develop and issue NPDES permits that consider the conditions of the entire watershed and address the diverse sources within the watershed, not just an individual point source discharger”

Example:

- 15 municipalities discharging under MS4 permit into West Branch DuPage River
- 15 permit holders sharing education, outreach, public participation, outreach, illicit discharge detection and elimination requirements
- DuPage County Countywide Stormwater and Flood Plain Ordinance
Benefits

• Reducing the reporting burden
• Eliminate overlap and redundancy
• Link to watershed planning – address watershed goals
• Cooperation on watershed efforts
• Increase public involvement
Minimum Control Measure #1

Education and Outreach

- Publications
- Community Events
- Social Media
- Classroom Education
Minimum Control Measure #2

Public Involvement and Participation

• Stakeholder Meetings
• Watershed Workshops
• Public Meetings
• Volunteer Opportunities
• Environmental Justice Areas

DuPage County Citizen Reporter

• Waterway Reporter

https://gis.dupageco.org/CitizenReporter/
Minimum Control Measure #3

Illicit Discharge Detection and Elimination

- Comprehensive countywide storm sewer atlas
- Prioritization plan
- Dry weather screening schedule
- Visual screening and field testing
- Tracing
- Enforcement
- Education and training
Construction Site Runoff Control & Post Construction Best Management Practices

- Development driven measures
- Inspections before, during and after construction
- Provide guidance and resources

DuPage County Countywide Stormwater and Flood Plain Ordinance

- Outlines community waiver status
- Sets minimum regulatory thresholds
Minimum Control Measure #6

Pollution Prevention / Good Housekeeping

• Annual training for MS4 employees and contractors
• Guidance materials/ checklists
• Each MS4 responsible for day to day operations

Shared Services

• Utilize cost savings by utilizing County equipment, vehicles and personnel
Monitoring

**DuPage River Salt Creek Workgroup**
- Bioassessment
- Water chemistry
- Sediment
- Continuous monitoring (Sondes)

**Countywide BMP Inventory**
- Map in progress
- Modeling effectiveness of pollutant reduction efforts

Photo courtesy of DRSCW.org
Annual Facility Inspection Reports

- Over 40 MS4s → Over 40 Reports
- Duplicate information or refer to County program
- One comprehensive report will be more efficient for MS4s and IEPA
Shared Services

Equipment
- Rates based on IDOT rate book / now equipmentwatch.com
- List of equipment available, but will vary year to year
- Save money
- Dispatch crew and equipment quickly once agreement is in place

Will County/Dual County Communities
- Developed costs based on Staff time and Direct Expenses
- Rates based on IDOT rate book / now equipmentwatch.com
- List of equipment available, but will vary year to year
- IDDE/Education/Outreach/Spill Response
- Reduce costs and expedite services
Summary

Environmental Benefits
• Link to watershed planning – address watershed goals
• Cooperation on watershed efforts
• Increase public involvement

Eliminate Overlap & Redundancy
• Current state has many duplicate efforts
• Reducing the reporting burden (time & money)
Next Steps

• IGAs with municipalities and townships
• 24 completed to date
• Submit draft NOI to IEPA and municipalities for review and comment
• Comments/ discussion
• Formally submit NOI to IEPA
Questions?

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