

# ILLICIT DISCHARGE DETECTION AND ELIMINATION

December 13, 2021



*Federal Heights, CO*



# WIS. ADM. CODE CH. NR 216

A WPDES MS4 permit is needed if the owner or operator of a municipal separate storm sewer system is:

Serving a population of 100,000+

Notified in writing prior to August 1, 2004, by the department to obtain a permit

**Village of Bloomfield**

Within an urbanized area

Serving a population of 10,000+ with a population density of 1,000+/sq. mi.

# WHAT IS ILLICIT DISCHARGE?

**"ANY DISCHARGE INTO WATERS OF THE STATE OR THE MUNICIPAL SEPARATE STORM SEWER SYSTEM THAT IS NOT COMPOSED ENTIRELY OF STORMWATER."**

Non-storm water discharges that are not considered illicit discharges include:

- Water line flushing
- Landscape irrigation
- Diverted stream flows
- Uncontaminated groundwater infiltration
- Uncontaminated pumped groundwater
- Discharges from potable water sources
- Foundation drains
- Air conditioning condensation
- Irrigation water
- Lawn watering
- Individual residential car washing
- Flows from riparian habitats and wetlands
- Firefighting
- Authorized discharges under WPDES permit



# EXAMPLES OF ILLICIT DISCHARGE



*Millers River Watershed Council, MA*



*Durham, NC*



*Fayette County, GA*

- Septic Tank Seepage / Illegal Sanitary Connections
- Laundry Wastewater / Detergent
- Improper Waste Oil Disposal / Auto Fluids Flushing
- Home Improvement Waste (e.g. concrete, paint)
- Pesticides and Fertilizers
- Improper Disposal of Commercial and Industrial Hazardous Waste
- Pool / Spa Discharge
- Cooking Grease / Household Waste



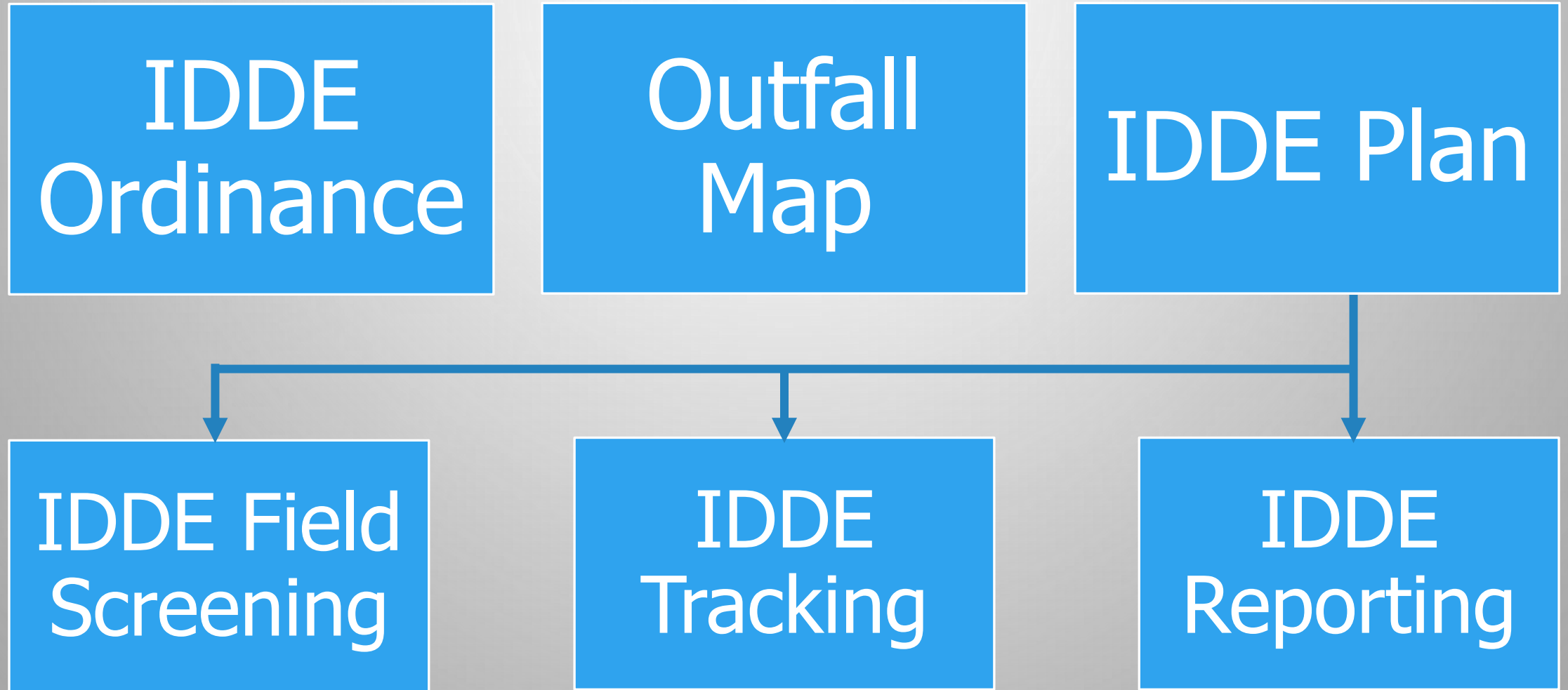
# WHY ONLY STORM WATER?

Storm drains and storm sewer systems do not drain to wastewater treatment facilities.



*Edgeworth Borough, PA*

# MS4 PERMIT IDDE REQUIREMENTS



# IDDE ORDINANCE

## CODE OF ORDINANCES:

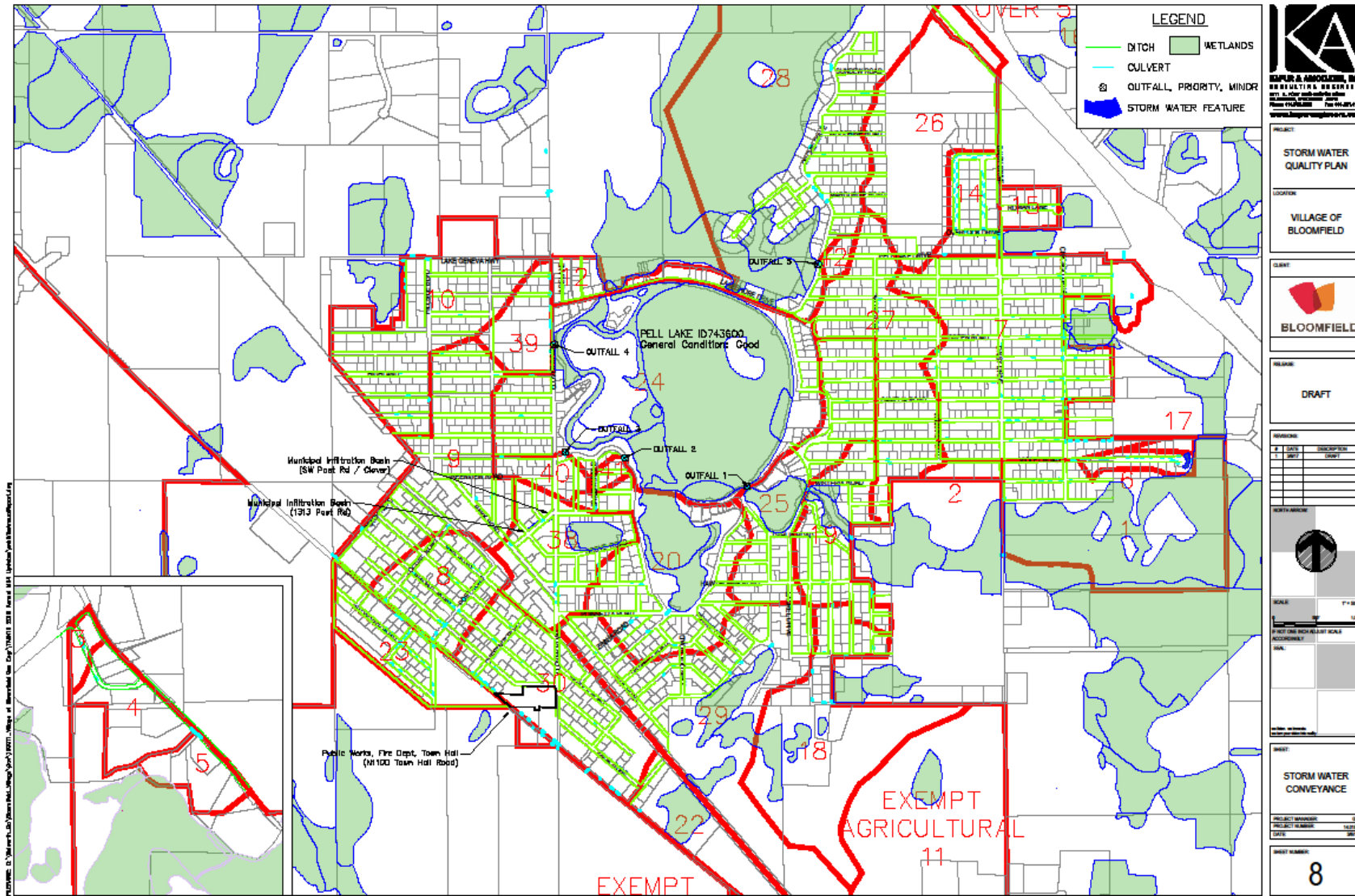
- CH 33. Illicit Discharge

## OBJECTIVES:

- To regulate the contribution of pollutants into waters of the state or MS4 by stormwater discharges by any user
- To prohibit illicit connections and discharges into waters of the state or MS4
- To establish legal authority to carry out all inspection, surveillance, monitoring, and enforcement procedures necessary to ensure compliance



# OUTFALL MAP





# IDDE PLAN

## REQUIREMENT:

- Implement and enforce a plan to detect and remove illicit connections and discharges to the MS4

## STANDARD OPERATING PROCEDURES FOR:

- Incident Reporting
- Outfall Inspections
- Source Investigation and Tracking
- Corrective Action



VILLAGE OF BLOOMFIELD, WI  
2/21/2017

ILLICIT DISCHARGE  
DETECTION AND  
ELIMINATION PROGRAM  
WPDES PERMIT NO. WI-S-050181-1

PREPARED BY:  
KAPUR & ASSOCIATES, INC  
1124 S. PINE STREET  
BURLINGTON WI, 53105

# IDDE Field Screening



## REQUIREMENT:

- Conduct on-going dry weather field screening at outfall locations

## TYPES OF SCREENING:

- Visual Observation
- Field Analysis (sampling)

## DOCUMENTATION:

- Outfall Inventory Form

# IDDE TRACKING

## REQUIREMENT:

- Investigate and eliminate the source of any known or suspected illicit discharge

## METHODS OF TRACKING:

- Storm Drain Network Investigations
- Drainage Area Investigations

## DOCUMENTATION:

- Illicit Discharge Incident Tracking Sheet



*Antrim Township, PA*



# IDDE REPORTING

## REQUIREMENT:

- Promote, publicize and facilitate public reporting of illicit discharges

## HOW TO REPORT:

- Village Clerk's Office: (262) 279-6039
- Bloomfield Police Department: (262) 279-3454
- Village Highway Department: (262) 279-5783

## DOCUMENTATION:

- Illicit Discharge Incident Tracking Sheet



*Spokane County, WA*

# WHAT CAN HOMEOWNERS DO?



Village of Milan, IL