

Bullitt County Illicit Discharge Detection and Elimination (IDDE) Plan

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1.0 Introduction

Bullitt County has been issued a Phase II Small Municipal Separate Storm Sewer System (MS4) General Permit (KPDES Permit No.: KYG200039) by the Kentucky Division of Water (KDOW). This permit authorizes the discharge of stormwater runoff from the MS4 to the waters of the Commonwealth, provided the County implements and enforces a program that satisfies the six minimum control measures (MCMs), including Illicit Discharge Detection and Elimination (IDDE).

This IDDE Plan fulfills the requirements under Section 2.2.3 of the KPDES MS4 Permit by outlining the County's procedures to detect, investigate, and eliminate illicit discharges into the stormwater system.

The plan is authorized by Bullitt County Ordinance No. 08-13 – Illicit Discharge Control Ordinance, which:

- Prohibits non-stormwater discharges to the MS4;
- Establishes enforcement authority under the Department of Code Enforcement;
- Provides penalties for violations and outlines abatement procedures.

1.1 Definitions

Definitions in this plan are consistent with Section 3 of Ordinance No. 08-13, including:

- **Illicit Discharge:** Any direct or indirect non-stormwater discharge to the MS4, except as exempted by Section 5 of the Ordinance or authorized under a KPDES/NPDES permit.
- **Illicit Connection:** Any drain or conveyance that allows non-stormwater discharge into the MS4, whether previously permitted or not.
- **Authorized Enforcement Agency:** Bullitt County Department of Code Enforcement.
- **MS4:** The system of roads, drainage structures, ditches, storm drains, and conveyances owned or operated by Bullitt County designed for stormwater collection and discharge.
- **Pollutant:** Any substance that contributes to degradation of water quality, including chemicals, litter, sewage, oil, or debris.

2.0 Illicit Discharges

The goal of the IDDE program is to locate, identify, and remove illicit discharges and connections to prevent pollutants from entering Bullitt County's waterways.

No person or entity shall discharge or cause to be discharged into the MS4 any materials other than stormwater, except as exempted or permitted by KDOW.

Exemptions (Section 5(D) of Ordinance 08-13):

- Firefighting activities
- Lawn watering or landscape irrigation
- Foundation drains and air conditioning condensate
- Residential car washing
- Street washing without chemical cleaners
- Dechlorinated swimming pool discharges
- Natural springs or riparian flows
- Other uncontaminated water sources

3.0 Storm Sewer Mapping

The County will maintain a GIS-based storm sewer map to support detection and tracking of illicit discharges. The map will include:

- Outfalls and receiving waters (with GPS coordinates)
 - Conveyances, culverts, and catch basins
 - Flow direction and condition
 - Major outfalls ($\geq 36"$ or draining > 50 acres)
- Mapping data will be updated annually as new infrastructure is constructed or modified.

4.0 Illicit Discharge Detection Procedures

Reports may be submitted through a public hotline or the County website. All reports are logged and investigated within 48 hours of receipt.

Priority areas are identified based on complaints, industrial zones, older drainage systems, and known pollution sources.

Dry-weather outfall inspections are conducted (≥ 48 hours after rainfall) on at least 20% of outfalls annually. Observations include color, odor, staining, and flow, documented in field logs.

Water quality tests (pH, ammonia, optical brighteners) may be conducted to confirm illicit discharges.

5.0 Source Tracing and Removal

When an illicit discharge is detected:

1. Trace the source using inspections, dye/smoke testing, or video methods.
2. Notify the responsible party to eliminate the discharge.
3. Provide compliance assistance where feasible.
4. If voluntary correction fails, enforce per Section 7 of Ordinance 08-13.

6.0 Enforcement Procedures

The Department of Code Enforcement administers enforcement actions including:

- Notice of Violation (NOV) – specifies corrective actions and deadlines.
- Criminal Complaint – if noncompliance continues.

- Abatement by County – if immediate action required, with cost recovery.

Penalties per Section 8 of Ordinance 08-13:

- Criminal: Up to \$250 fine and/or 90 days imprisonment per offense.
- Civil: Up to \$4,000 per day, assessed by Bullitt District Court.

7.0 Documentation and Recordkeeping

All IDDE activities are recorded digitally, including:

- Complaints and inspections
- Sources identified and eliminated
- Enforcement actions
- Outfalls screened and test results

8.0 Program Evaluation

An annual review will summarize:

- Outfalls inspected
- Complaints received and resolved
- Discharges detected and eliminated
- Public outreach conducted

9.0 Public and Employee Outreach

Public Education: Brochures, website updates, and community events.

Employee Training: Annual stormwater and IDDE training.

Business Outreach: Flyers and workshops on best practices.

10.0 Attachments

[Attachment A: Bullitt County Ordinance No. 08-13](#)

[Attachment B: Outfall Screening Form](#)