Illicit Discharge Detection and Elimination Program

Prepared for:
Doylestown Township and Citizens

Doylestown Township, Pennsylvania

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Introduction

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Previous Presentations

Illicit Discharge Detection and Elimination Program

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March 1, 2011

2011 presentation available @ Township Website

http://www.doylestownpa.org/
Agenda

• Current Status IDD&E
• Inspections, Sampling & Results
• Going Forward
• Takeaways
• Q&A
Current Status IDD&E

- Year 8 of the Program
- PADEP (Dec 2011)
  - “The overall effort was very good and the Township continues to refine and improve its MS4 program”
- NPDES Permit extended to June 2012
IDD&E Inspections, Sampling & Results - 2011

• Focused Inspections & Sampling on Area 1
• Sample Analysis
  – Fecal coliform at all locations
  – Detergents at two locations
• Data Review
• Mapping of Area 1
  – EPA requirement to map all outfalls, catch basins, etc.
  – Identify all receiving waters and the surrounding municipalities
  – Prepare detailed map
• Prepared Annual Report for PADEP
Area 1 – Detailed Mapping
IDD&E Sampling - 2011

Area 1

Outfalls
• 23 samples at 17 outfalls
• 12 samples (8 locations) FC > 200 col/100 ml
• Maximum FC = 1,300 col/100 ml

Upstream
• Samples collected “upstream” of Outfalls to identify IDD&E source
• 10 samples at 8 upstream locations
• 7 samples FC >200 col/100 ml
• Maximum FC >6,000 col/100ml (only 1 location)
Area 1 – Sampling Results

- FC > 200 col/100 ml
Area 1

Fecal Coliform levels still elevated in Area 1 but are generally lower than in previous years
Going Forward

- Complete round of outfall inspections and sampling in Area 2
- Complete “Hot Spot” sampling in Area 1 with historical FC impact
- Based on sampling results, complete additional source investigations (i.e. dye tracing, TV inspection), if necessary
- Source Mitigation
Takeaways

• Township in Compliance
• Continue Inspections/Sampling
• Continue mapping effort
• Continue to perform sampling where illicit discharges may be occurring
• Septic system maintenance
• Public participation
• Pollution prevention & good housekeeping
• **Goal is to Improve Water Quality!!!**
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