Illicit Discharge Detection and Elimination Program

Prepared for:
Doylestown Township and Citizens

Doylestown Township, Pennsylvania

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Previous Presentations

2013 presentation available @ Township Website
http://www.doylestownpa.org/

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Agenda

• Current Status IDD&E
• 2013 Inspections & Sampling
• 2014
• Takeaways
• Q&A
Current Status IDD&E

• Year 10 of the Program
• PADEP (Feb 2014)
  – PADEP remains pleased at how Doylestown Township manages their IDDE program
• Application submitted to extend NPDES Permit to March 2018
IDD&E - Dry Weather Inspection
IDD&E Inspections, Sampling & Results - 2013

• Focused Inspections & Sampling Areas 1, 2, 3
• Historical “Hot Spot” Sampling
• Sample Analysis
  – Fecal coliform at all locations
    • Area 1 = 9
    • Area 2 = 6
    • Area 3 = 20
  – Detergents at one location (Area 3)
• Data Review
• Continued Detailed Mapping of All Areas
  – EPA requirement to map all outfalls, catch basins, etc.
  – Identify receiving waters / surrounding municipalities
  – Prepare detailed CAD map
• Annual Report (2012) to PADEP – June 2013
IDD&E Sampling - 2013

Area 1

• 9 samples at 9 outfalls
• 8 samples FC > 200 col/100 ml
• Maximum FC = 1,000 col/100 ml
IDD&E Sampling - 2013

Area 2

- 6 samples at 6 outfalls
- 1 sample FC > 200 col/100 ml
- Maximum FC = 600 col/100 ml
Area 3

- 20 samples at 20 outfalls
- 9 samples FC > 200 col/100 ml
- Maximum FC = >60,000 col/100 ml
IDD&E Sampling - 2013

**Area 1**
FC levels showed mixed results compared to 2012. 8 of the 9 samples >200. Max = 1,000.

**Area 2**
FC levels are elevated in a few sections of Area 2. General improvement over 2012. Max = 600.

**Area 3**
FC levels are elevated in several areas. Max >60,000. Area 3 was not sampled in 2012.
Going Forward

- Complete inspections/hot-spot sampling throughout township ~25 to 30 locations.
- Continued detailed mapping
- Additional source investigations:
  - Dye Tracing - Letters have been submitted to several residents.
  - DNA Testing - To identify source of FC (i.e. human, goose, etc.)
  - TV inspections of catch basins, as needed.

- Source mitigation, if identified
Takeaways

• Township in Compliance
• Continue Inspections/Sampling
• Complete 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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