



# Annual Stormwater Management Maintenance Program For Residential Communities

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# New Castle County Stormwater Responsibilities

- DNREC Delegation of State's Sediment and Stormwater Responsibilities:
  - Plan Review
  - Construction Inspection
  - Post-Construction Inspection
- NPDES Permit DE0051071:
  - Issued May 7, 2013 to NCC and DeIDOT plus 5 co-permittees
  - Bellefonte, Elsmere, Newport and Delaware City, City of New Castle.
- DeIDOT owns and maintains most of the roadways and their drainage systems in the County.

# Permit Elements

- Public Education/Public Involvement
- Illicit Discharge Detection and Elimination (IDDE)
- Stormwater During Construction
- Post Construction Stormwater Management Inspection (BMPs Inspection)
- Good Housekeeping
- Industrial Stormwater
- Watershed Priority List
- Mapping

# Stormwater Section

- Update the stormwater management facilities' inventory annually
- Conduct stormwater management facilities inspections annually
- Perform open space inspections before they get turn over to the Maintenance Corporations
- Register Maintenance Corporations and collect their maintenance logs
- Maintain/prioritize the County's Major Project List
- Manage the budget allocated for the stormwater major projects
- Review the engineering plans for major projects
- Manage the projects from bidding process and through their construction until they are completed

# Our 2020 Inventory

- Total number of stormwater management facilities for 2020 annual inspections is **2,470**
- **1,712** Commercial/Industrial facilities
- **758** Residential facilities
- Facilities are: ponds, bioretention areas, biofiltration swales, constructed wetlands, green roofs, subsurface systems, filter strips and sand filters.

# Our Map



# Stormwater Annual Inspection

- Annual inspections are performed by New Castle County, Department of Public Works.
- Letters and inspection reports are e-mailed to the primary board members of the maintenance corporations with a timeline for performing necessary minor (routine) maintenance.
- Maintenance corporations should complete all of the items noted on the inspection report.
- Questions about inspection reports are directed to NCC, Department of Public Works, Stormwater Management Group.
- Call the inspector on your inspection report for a re-inspection within the noted timeframe.



# What do you need?

- A copy of your Open Space Management Plan as well as the Operation and Maintenance Plan for the SWM facilities.
- A copy of the As-Built Plan as well as the Landscape Plan for the all SWM facilities.
- A copy of your annual inspection report from the County.
- A professional contractor who is familiar with this type of work. It is our recommendation to obtain at least 3 different estimates from different contractors before signing a contract.



# What Is the Stormwater Management Maintenance Program (Formerly Amnesty Program)?

- Chapter 40 of NCC Code:
- “Maintenance Organizations that register annually with the County and that perform and document ‘minor’ maintenance of their SWM facilities are eligible for County assistance with ‘major’ maintenance subject to funds being available...”
- If it has been determined by NCC that the facility is in need of major sediment removal or has structural components failure such as deteriorated metal pipes, washed out berms and embankments or separated FES, then it will be added to the NCC Major List as part of the Stormwater Maintenance Program.

# Major Projects

- 322 Residential MCs are registered with NCC.
- Currently there are 125 SWM facilities on the major list for repairs.
- Close to \$17 M has been spent to date for all the completed repairs.
- The County always retrofits whenever possible.

# Why my community's stormwater facility has not been Fixed?

- Re-Engineering:
  - Re-design by the in-house engineers
  - Re-design by the engineering consulting firms
  - It might take an average of 1-3 years
- Re-Construction/Structural Repair:
  - Performed by NCC, Construction Support group
  - Performed by an outside contractor
  - It might take an average of 1-18 months
- Emergency Sites

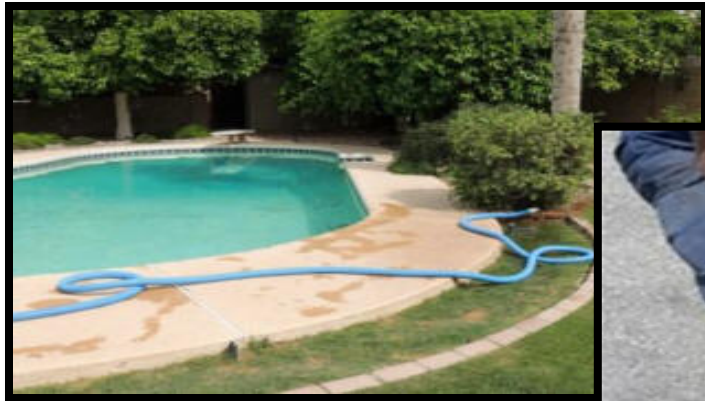
# Common Concerns

- Obligations:
  - Legal responsibilities per homeowner's Deed & Maintenance Declarations
  - Creating a budget
  - Collecting maintenance dues
- Recommendations:
  - Educate other homeowners via mail and community website
  - Utilize government agencies' assistance and workshops
  - Hold community meetings

# Illicit Discharge Detection and Eliminations (IDDE)



# Examples of IDDE





# How to report?



**Water Pollution is a Crime  
Don't Stand for It  
STOPPIT!**

Call or text 302STOPPIT (302.786.7748), or write  
[hotline@302stoppit.org](mailto:hotline@302stoppit.org)

**302STOPPIT**  
3 Prevent  Pollution



Thank you

