

# City of Chesapeake Public Works Environmental & Regulatory Programs



**Chesapeake**  
VIRGINIA  
**PUBLIC WORKS**  
AN APWA ACCREDITED AGENCY



# Chesapeake VIRGINIA PUBLIC WORKS

## Overview

- Construction, Repair, Replacement, and Maintenance of Public Infrastructure
  - Stormwater Infrastructure
  - Bridges
  - Public Buildings
  - Streets, Curb/Gutter, Sidewalks
- Provide Public Services
  - Waste Management and Recycling
  - Environmental Quality/Regulatory Compliance
  - Emergency Response (storms, natural disasters)
- One of the City's largest departments – over 460 positions



A map of the Chesapeake region, showing various cities and watersheds. The map is color-coded by watershed, with labels such as SN, IR, GC, CV, GL, CW, SL, NS, HP, SS, GS, SC, and BL. The map also shows the North American River, the City of Suffolk, the City of Portsmouth, and the City of Virginia Beach. A legend on the right side of the map provides details for various watersheds, including their names and dates.

# Stormwater Programs in Chesapeake

- **Engineering** – large capital projects for drainage, flooding, and water quality; watershed studies and planning
- **Operations** – maintenance and repair of pipes, ditches, structures, and BMPs; street sweeping; specialized contractual work; and planning and scheduling of small projects with in-house forces
- **Environmental Quality Services** – regulatory compliance with the City's Municipal Separate Storm Sewer System (MS4) permit; inspection of permitted construction sites for erosion and sediment control and stormwater management requirements; Lake Management and Water Quality Programs; and emergency spill response



# Environmental Quality & Regulatory Programs

# Inspections of public and private Best Management Practices (BMPs)

Assess for condition, capacity, and function



# Inspections of Active Construction Projects



**Enforce compliance with Erosion and Sediment Control and Stormwater Management Laws and Regulations**

# Environmental Permitting for City Projects



# Investigation of Pollution Incidents and Spill Response



# Dry Weather Screening and Inspections of Industrial/Commercial connections to MS4





Lake Management Program for Nuisance  
Aquatic Vegetation

Stormwater  
Public  
Outreach and  
Education



# 4 Year Partnership with non-profit



# Water Quality Monitoring



# Stormwater Goals and Priorities

- Prevent flooding and loss of property
- Meet regulatory requirements (MS4, ESC, TMDL)
- Resilience to tidal and non-tidal events
- Provide environmental protection and improve water quality
- Maintain and improve infrastructure
- Meet increasing citizen demand for services
- Maintain excellent customer service
- Educate and engage the public

# Looking Ahead...

- Continue to pursue available grant funding (i.e. SLAF, FEMA, HUD, NFWF)
- Add real-time flood sensors to the City's existing tide gauge network
- Continue to adapt by updating development standards to be more protective
- Continue to partner with environmental non-profits for homeowner engagement and actions on private property
- Expand land conservation programs when funding and opportunities are available
- Continue to purchase repetitive flooding properties in low-lying areas for conservation
- Reforestation or forested buffer creation on conserved parcels
- Partner with VDOT or other localities on stormwater and resilience projects
- Expand on regional efforts in coastal resiliency planning and outreach
- Public Private partnerships
- Infrastructure improvements through the development process
- Continue to support the HRSD SWIFT Program to meet water quality goals

# For More Information:

<http://www.cityofchesapeake.net/government/city-departments/departments/Public-Works-Department.htm#>

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