



## THE AUDITOR OF PUBLIC ACCOUNTS LOCALITY STORMWATER UTILITY REPORTING FORM

The purpose of this form is to implement the following locality stormwater utility reporting requirement established by Paragraph D.1. of Item 2 of the Fiscal Year 2021-2022 State Budget ([Chapter 552](#) of the 2021 Acts of Assembly): *Each locality establishing a utility or enacting a system of service charges to support a local stormwater management program pursuant to §15.2-2114, Code of Virginia, shall provide to the Auditor of Public Accounts by October 1 of each year, in a format specified by the Auditor, a report as to each program funded by these fees and the expected nutrient and sediment reductions for each of these programs. For any specific stormwater outfall generating more than \$200,000 in annual fees, such report shall include identification of specific actions to remediate nutrient and sediment reduction from the specific outfall.*

Each locality subject to the reporting requirement set forth above should complete and submit this report form each year to the Auditor of Public Accounts by October 1, in an electronic format emailed to [LocalGovernment@apa.virginia.gov](mailto:LocalGovernment@apa.virginia.gov). **The report for the Fiscal Year 2021 (or applicable reporting period) is due by October 1, 2021.**

### SECTION 1 – LOCALITY INFORMATION

**Locality Name:** City of Chesapeake  
**Contact Name/Title:** Barbara Brumbaugh/Environmental Program Manager  
**Contact Address:** 306 Cedar Rd, Chesapeake, VA 23322  
**Contact Email:** bbrumba@cityofchesapeake.net  
**Contact Phone:** (757) 382-6919  
**Report Completion Date:** 9/28/2021

### SECTION 2 - STORMWATER UTILITY FEES

*For your stormwater utility fees provide the following information from your current fiscal year or most recent audited annual financial report. (Note: “Draft” or preliminary amounts from the current fiscal year may be submitted due to the timing of this report’s October 1 deadline, which is prior to a locality’s annual audited financial report deadline of December 15.)*

**Financial Statement Fund Name:** Stormwater Management Enterprise Fund

**Fiscal year:** FY21

Revenues	Expenditures	Ending Fund Balance or Net Position
17,201,530	13,865,134	94,292,508

**If necessary, provide any additional detail/clarification below about the financial information provided at Section 2.**

The revenues, expenditures, and net position shown in Section 2 are the last audited figures from FY20 and are detailed at the following link:

<https://www.cityofchesapeake.net/Assets/documents/departments/finance/cafr/CAFR+2020.pdf>

The FY21 expenditures referenced in the following sections are unaudited.

Revenues include those from all sources including: investment income; gain on sale of equipment; and capital contributions.

## SECTION 3 – FUNDED PROGRAMS AND OTHER MAJOR ACTIVITIES

*Provide a brief description of each major program funded by the utility fee system and, where applicable, the expected nutrient and sediment reductions for each of these programs.*

### A. Operations & Maintenance Program

There are currently 111 funded full time positions funded by the Stormwater Utility, with various vacancies at any given time. Inmate crews and Sheriff's Deputies are also funded. For the fiscal year 2021 the following programs were funded:

**Storm Sewer System Maintenance and Operations:** Responsible for maintenance of the City's municipal storm sewer system (MS4) including ditches, pipes, catch basins, and stormwater management facilities in order to maintain drainage, improve water quality, and prevent flooding. For the FY21 the following maintenance activities were completed in-house (including preventive and reactive): 1588 structures (namely catch basins) were cleaned/serviced; 93.95 miles of blocked ditch were cleaned and cleared and 1.5 miles regraded. 24.74 miles of pipe were also cleaned. These activities resulted in 3821 tons of sediment and debris removed. Additionally 262 cave-in repairs were made between the Stormwater and Drainage Divisions and 19 post-construction stormwater management facilities (Best Management Practices) were maintained removing including maintenance on inlet and outlet structures and trash/debris removal. 3.7 miles of stormwater pipe were also Closed Circuit Television (CCTV) inspected for condition assessment. While the staff for the Drainage Division is paid out of Stormwater Utility funds, some VDOT funding is also received for maintenance of roadside ditches.

**Contractual Services:** \$1.068 million was allocated for contract work on the storm sewer system which included: 122 cave-ins repaired; 41 pipe joints repaired; 11 structures replaced; 31 structures replaced; 623 linear feet of pipe replaced; 2182 linear feet of pipe lined; and 3 pipe joints pressure grouted. Additionally, a Snag & Drag project was started on the 12 Foot Ditch at a cost of \$216,250.

**Street Sweeping Program:** Streets with curb and gutter are swept. For FY21 7501 lane miles were swept with 8040 tons of debris removed.

**Environmental Quality Services Program (EQS):** This program has responsibility for the MS4 Permit compliance and conducting Erosion and Sediment Control (ESC) and Stormwater Management Program inspections in compliance with the Virginia Stormwater Management Program. Staff conduct stormwater management facility inspections; investigate customer service requests and complaints; conduct dry weather screening; conduct drainage final inspections for acceptance of facilities to the City's MS4; inspect high priority City facilities for housekeeping measures; conduct inspections of land disturbing activities; conduct public education and outreach; and manage TMDL compliance efforts. Program highlights include: 11,984 routine and rainfall event ESC inspections conducted; 175 SWPPP inspections conducted; 625 final inspections conducted; and 48 Pre-Construction Inspections conducted. Additionally, 104 Notices to Comply, 96 Civil Summons, and 34 Stop Work Orders were issued. 99 incidences of illicit discharges, illegal dumping, and spills were investigated; 52 dry weather screening sites and industrial interconnections were inspected; and 682 post-construction stormwater management facilities were inspected.

The City's MS4 VPDES Permit was issued effective July 1, 2016. During FY21 several contractual tasks were funded or partially funded in support of permit requirements including: the Bacteria Monitoring Program; Street Sweeping Monitoring Program; BMP Data Management Project, Development of Stormwater Outreach Information, Regional Water Quality Monitoring Program; and a Lake Management Program. Additionally, the City participated in three Regional Committees organized by the Hampton Roads Planning District Commission. These include the Regional Environmental Committee (and associated Stormwater Working Group), Regional Resiliency Committee, and the AskHRGreen Stormwater Education Committee at a cost of \$94,754. The EQS budget also covers the cost of spill cleanups within the MS4 where no responsible party has been identified. This cost varies from year to year, but \$10,104 was spent in FY21. Cost recovery is conducted where it is possible. The MS4 VPDES Permit annual fee of \$8800 is also paid to VDEQ.

**Planning and Scheduling:** This division is responsible for estimating, planning, and scheduling in-house stormwater work orders and projects, assessing drainage and outfall conditions, completing in-house design work for stormwater projects, oversight of the lead ditch ranking and preventive maintenance program, and oversight of "snag and drag" projects. During FY21 most of these functions were shifted to the Engineering Division.

**Engineering:** Responsible for environmental engineering and watershed planning, selection and oversight of stormwater-related capital projects, and Design/Construction Services which has inspection and oversight responsibilities for City projects. Information on the status of active and completed projects can be found here: <http://www.cityofchesapeake.net/government/City-Departments/Departments/Public-Works-Department/Active-Public-Works-Projects/active-stormwater-drainage-projects.htm>

**Major Vehicle/Equipment Purchases:** Vehicle/Equipment purchases for FY19 totaled \$1.19 million. These included: 1 pickup trucks; 1 chipper; 1 concrete truck; 1 tractor with loader; 1 mechanical broom sweeper, 4 single axle dump trucks; and 1 generator.

**Emergency Response:** Stormwater staff are called upon to respond to flooding and other stormwater-related incidents before, during, and after storm events. This requires training, planning, equipment and supplies, and significant preparation.

While volume of sediment and debris removed from the storm sewer system is being tracked, it has not been possible to accurately estimate and quantify nutrient reductions achieved through maintenance, operations, and inspection activities.

Post Construction Stormwater Management Plan Review and Approval: Development plan review and approval, including post construction stormwater management facilities to address water quality and quantity, is conducted by the Development and Permits Department, and is not funded through the Stormwater Utility, but through General Funds and user fees. Once the post construction systems (stormwater management facilities and conveyance systems) are constructed and accepted into the City's MS4, the public facilities are turned over to Public Works for maintenance, operations, inspections, and rehabilitation, which are funded with Stormwater Utility funds.

## B. Capital Improvement Program

Please see the links below for the Stormwater Capital Improvement Project List and Budget. The budget is developed for a 5 year cycle.

<https://www.cityofchesapeake.net/Assets/documents/departments/budget/CIP+Approved+2020-2024/CIP+Approved+2021-2025/Stormwater.pdf>

<https://www.cityofchesapeake.net/government/city-departments/departments/Budget-Department/FY-2022-2026-Proposed-Capital-Improvement-Plan--by-section-.htm>

<https://www.cityofchesapeake.net/government/city-departments/departments/Budget-Department/FY-2021-2025-Approved-Capital-Improvement-Plan.htm>

<https://www.cityofchesapeake.net/government/city-departments/departments/Budget-Department.htm>